

**MORTALITY FROM SMOKING  
IN DEVELOPED COUNTRIES  
1950–2000**

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## ALL DEVELOPED COUNTRIES: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	6451577	424859	2704516	1059.8	139.8	1226.4	243.9	27.4	31.4	98.6	171.2	188.3	217.5
	F	6213132	190024	1404336	637.6	67.0	581.1	196.3	19.3	19.8	41.7	53.3	59.7	78.8
Tuberculosis	M	58349	9743	40882	9.4	3.0	15.3	0.2	0.1	0.1	0.5	3.8	7.2	9.5
	F	13521	2653	6365	1.8	0.9	2.3	0.2	0.1	0.1	0.4	1.3	1.9	2.0
HIV (excl. Russia and Ukraine)*	M	23312	5516	17477	3.7	1.7	5.9	0.2	0.1	0.4	0.3	1.1	3.0	7.0
	F	6037	2066	3875	0.9	0.7	1.2	0.2	0.1	0.4	0.1	0.4	1.3	2.2
Other infective and parasitic	M	58247	8962	21646	9.8	3.2	9.5	14.5	0.9	0.7	1.1	1.6	1.7	1.9
	F	60628	6765	14160	6.9	2.5	5.8	12.1	0.8	0.6	0.9	1.1	1.1	1.2
ALL CANCER	M	1485486	20691	708595	243.9	6.6	339.8	3.8	3.7	3.6	5.7	7.0	8.9	13.5
	F	1191871	18868	486910	138.5	6.2	200.1	3.3	2.9	2.9	4.0	5.2	8.5	16.3
Mouth and pharynx cancer	M	44353	391	31853	7.5	0.1	14.3	0.0	0.0	0.0	0.1	0.2	0.2	0.3
	F	13083	211	5774	1.5	0.1	2.3	0.0	0.0	0.0	0.1	0.1	0.1	0.2
Oesophagus cancer	M	50796	115	30008	8.4	0.0	14.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1
	F	16086	68	5674	1.8	0.0	2.4	0.0	-	-	0.0	0.0	0.0	0.1
Stomach cancer	M	127209	878	63704	20.9	0.3	30.6	0.0	0.0	0.0	0.1	0.2	0.5	1.1
	F	84018	865	30617	9.4	0.3	12.7	0.0	0.0	0.0	0.0	0.2	0.5	1.1
Colorectal cancer	M	155722	874	67168	25.5	0.3	32.8	0.0	0.0	0.0	0.1	0.2	0.5	1.1
	F	151359	752	49009	16.4	0.2	20.7	0.0	0.0	0.0	0.1	0.2	0.4	0.9
Liver cancer	M	61811	430	33631	10.2	0.1	16.5	0.2	0.1	0.0	0.1	0.1	0.2	0.3
	F	30109	239	10442	3.4	0.1	4.5	0.1	0.0	0.0	0.0	0.1	0.1	0.2
Pancreas cancer	M	69844	275	35678	11.5	0.1	17.1	0.0	-	-	0.0	0.0	0.1	0.4
	F	69062	151	22692	7.6	0.0	9.7	0.0	-	0.0	-	0.0	0.1	0.2
Larynx cancer	M	27942	55	18244	4.7	0.0	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	F	2949	34	1431	0.4	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lung cancer	M	413400	849	216780	67.9	0.3	105.3	0.0	0.0	0.0	0.1	0.2	0.4	1.1
	F	162041	544	69720	19.1	0.2	29.3	0.0	0.0	0.0	0.0	0.1	0.3	0.8
Malignant melanoma	M	15127	599	8663	2.5	0.2	3.8	0.0	0.0	0.0	0.1	0.2	0.4	0.7
	F	12219	490	6024	1.5	0.2	2.3	0.0	0.0	0.0	0.1	0.2	0.3	0.5
Female breast cancer	F	190075	2015	103294	23.9	0.6	40.9	0.0	0.0	0.0	0.0	0.1	0.7	3.5
Cervix cancer	F	31097	1316	19327	4.1	0.4	7.3	-	0.0	0.0	0.0	0.2	0.9	1.8
Other uterine cancer	F	38364	298	16761	4.5	0.1	7.0	-	-	0.0	0.0	0.1	0.2	0.4
Ovarian cancer	F	63165	745	31873	7.8	0.2	13.0	-	0.0	0.1	0.1	0.2	0.4	0.8
Prostate cancer	M	125711	37	24562	20.5	0.0	13.0	0.0	0.0	-	0.0	0.0	0.0	0.0
Bladder cancer	M	50216	70	16513	8.2	0.0	8.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1
	F	19278	40	3954	1.9	0.0	1.7	0.0	0.0	0.0	0.0	-	0.0	0.1
Other and ill-defined cancer sites	M	235783	9168	115973	38.7	3.0	54.0	2.0	2.0	1.7	2.7	3.2	3.9	5.2
	F	213929	6287	77834	24.3	2.1	32.2	1.8	1.7	1.6	1.9	1.9	2.4	3.4
Hodgkin's disease	M	3462	556	1843	0.6	0.2	0.8	-	0.0	0.0	0.1	0.3	0.4	0.4
	F	2867	492	1158	0.4	0.2	0.4	0.0	0.0	0.0	0.1	0.3	0.3	0.3
Myeloma and non-Hodgkin lymphomas	M	58061	1920	25424	9.5	0.6	12.0	0.2	0.3	0.4	0.6	0.8	0.9	1.1
	F	53702	1184	17992	6.0	0.4	7.6	0.1	0.1	0.2	0.3	0.5	0.6	0.8
Leukaemia	M	46049	4474	18551	7.5	1.5	8.7	1.3	1.3	1.3	1.8	1.5	1.4	1.6
	F	38468	3137	13334	4.5	1.1	5.4	1.2	0.9	0.9	1.2	0.9	1.1	1.3
Diabetes	M	94530	1680	37386	15.5	0.5	17.8	0.0	0.1	0.1	0.2	0.6	1.1	1.6
	F	126382	1528	31719	13.0	0.5	13.6	0.0	0.1	0.2	0.3	0.7	0.9	1.2
ALL VASCULAR DISEASE	M	2623314	28272	994912	429.9	8.9	470.4	4.3	0.9	1.4	4.0	9.1	15.5	27.4
	F	3139754	12734	503011	297.6	4.2	216.6	3.9	0.8	1.1	2.3	4.1	6.5	10.8
Rheumatic heart disease and fever	M	13662	874	8168	2.2	0.3	3.5	0.1	0.0	0.1	0.2	0.3	0.6	0.7
	F	23820	681	10350	2.8	0.2	4.2	0.0	0.0	0.1	0.2	0.2	0.4	0.6
Hypertensive disease	M	81728	710	33431	13.5	0.2	15.7	0.1	0.0	0.0	0.1	0.2	0.4	0.8
	F	127300	449	24960	12.4	0.1	10.7	0.1	0.0	0.0	0.1	0.1	0.2	0.5
Ischaemic heart disease	M	1312114	8258	546831	215.1	2.6	258.6	0.1	0.0	0.0	0.5	2.0	4.6	10.8
	F	1311880	1949	218506	125.2	0.6	95.4	0.1	0.0	0.0	0.2	0.5	1.1	2.5
Pulmonary embolism and other venous	M	29922	682	12073	4.9	0.2	5.6	0.0	0.0	0.0	0.1	0.2	0.4	0.7
	F	46388	839	11057	4.7	0.3	4.5	0.0	0.0	0.0	0.2	0.4	0.5	0.8
Cerebrovascular disease	M	647457	4293	220113	105.8	1.4	106.9	0.6	0.2	0.3	0.7	1.4	2.3	4.1
	F	971011	2759	159916	92.6	0.9	69.0	0.5	0.2	0.3	0.4	0.9	1.5	2.6
Other vascular disease	M	538431	13455	174296	88.4	4.3	80.0	3.4	0.6	1.0	2.4	5.0	7.3	10.3
	F	659355	6057	78222	60.0	2.0	32.8	3.1	0.5	0.7	1.3	1.9	2.8	3.9
Chronic obstructive pulmonary disease	M	255664	1870	75760	41.6	0.6	38.3	0.5	0.2	0.3	0.4	0.6	0.9	1.2
	F	175463	1218	35658	17.4	0.4	15.5	0.3	0.2	0.2	0.3	0.5	0.6	0.8
Other respiratory disease	M	300226	23218	77966	50.2	8.3	35.0	40.5	2.1	1.4	2.0	3.0	4.0	5.5
	F	283152	16990	31479	27.4	6.5	12.9	34.8	2.0	1.2	1.3	1.8	1.9	2.4
Peptic ulcer	M	25442	678	12922	4.2	0.2	5.7	0.0	0.0	0.0	0.1	0.2	0.4	0.7
	F	18730	195	3918	1.9	0.1	1.6	0.0	0.0	0.0	0.0	0.1	0.1	0.2
Liver cirrhosis (incl. some other digestive)	M	127844	4456	96917	21.2	1.4	41.3	0.2	0.1	0.3	0.7	1.1	2.1	5.1
	F	70414	2213	43142	9.3	0.7	17.0	0.1	0.1	0.2	0.4	0.7	1.2	2.3
Renal disease	M	66754	2415	19171	11.0	0.8	8.9	0.9	0.3	0.3	0.6	0.8	1.2	1.4
	F	74757	2040	15212	7.4	0.7	6.3	0.7	0.2	0.3	0.4	0.9	1.0	1.2
Pregnancy, birth	F	2068	1468	597	0.3	0.5	0.2	-	-	0.0	0.3	0.9	1.0	1.1
Congenital and perinatal causes	M	54116	49576	3318	11.2	18.7	1.3	123.8	1.6	1.2	1.3	1.2	1.1	1.1
	F	42361	37492	3184	8.9	14.9	1.2	98.3	1.4	1.1	1.0	0.9	0.7	0.8
Ill-defined causes	M	173045	20576	67925	28.8	6.9	28.1	15.7	0.7	0.8	3.3	7.6	9.3	10.5
	F	233777	8752	23548	21.3	3.2	9.2	11.9	0.6	0.6	1.5	2.2	2.3	3.0
Other medical causes	M	392607	27599	136234	64.7	9.1	59.7	15.1	4.1	4.1	6.5	9.3	11.0	13.6
	F	503782	17943	90608	49.5	6.2	36.5	12.2	3.4	3.3	4.5	5.6	6.2	8.0
ALL NON-MEDICAL CAUSES	M	712641	219607	393405	114.8	69.7	149.2	24.1	12.6	16.6	71.7	124.2	120.9	117.4
	F	270435	57099	110950	35.3	19.0	40.8	18.1	6.8	7.6	23.9	26.8	24.5	25.4
Road traffic accidents	M	129637	57874	58502	20.6	18.3	22.0	3.1	4.2	4.9	25.4	37.2	29.1	24.3
	F	48952	17962	20227	7.0	5.9	7.4	2.4	2.6	2.8	10.9	9.9	6.9	5.9
Fire	M	16946	3718	10499	2.8	1.2	4.1	2.0	0.8	0.4	0.6	1.2	1.5	2.0
	F	8230	1845	3351	1.1	0.6	1.3	1.5	0.5	0.4	0.4	0.6	0.6	0.7
Suicide	M	172044	48034	102560	27.6	15.1	39.2	-	0.1</					

## 2000: ALL DEVELOPED COUNTRIES

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
306.2	464.2	668.9	904.2	1248.4	2073.7	2919.0	4395.2	6313.6	13568.7	M	ALL CAUSES	001-999/A00-Y89
117.8	183.1	276.0	402.9	590.0	976.8	1520.7	2552.6	4170.7	11457.6	F		
13.1	17.6	19.2	15.8	13.2	16.5	12.0	13.3	14.5	26.4	M	Tuberculosis	010-018, 137/
2.2	2.5	2.4	1.9	1.8	2.4	2.9	4.1	5.4	8.3	F		A15-A19, B90
10.0	9.7	8.2	5.8	3.8	2.3	1.7	1.0	0.6	0.3	M	HIV (excl. Russia and Ukraine)*	279.5, 279.6/B20-B24
2.5	2.3	1.6	1.0	0.6	0.4	0.3	0.2	0.1	0.1	F		
2.9	4.2	6.5	8.3	10.1	13.5	21.3	32.0	53.5	119.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.6	2.3	3.2	4.1	6.2	8.7	14.4	21.1	36.7	98.7	F		
25.5	57.0	122.5	227.6	385.0	631.3	929.6	1276.8	1658.7	2350.7	M	ALL CANCER	140-208/C00-C97
32.3	60.6	103.1	162.4	237.4	337.2	467.9	635.7	841.0	1230.6	F		
1.0	3.8	9.2	15.3	19.9	24.8	25.9	26.3	25.4	28.8	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	0.8	1.5	2.3	2.9	3.7	4.8	6.1	7.8	14.1	F		
0.6	2.0	5.5	11.4	19.1	26.8	34.4	41.0	46.2	52.6	M	Oesophagus cancer	150/C15
0.2	0.4	0.9	1.6	2.8	4.4	6.6	9.1	12.0	19.6	F		
2.4	5.5	11.2	19.5	32.5	58.7	84.1	115.5	132.1	183.7	M	Stomach cancer	151/C16
2.1	3.7	6.0	8.8	12.7	22.7	32.8	49.1	62.6	95.3	F		
2.1	4.5	9.5	19.1	35.8	61.7	97.1	140.7	191.6	286.4	M	Colorectal cancer	153, 154/C18-C21
2.1	4.1	8.1	14.2	23.6	37.6	54.8	81.9	116.4	202.6	F		
0.7	2.0	5.1	10.0	17.6	29.7	50.5	58.3	62.9	63.9	M	Liver cancer	155.0/C22 excl C221
0.3	0.7	1.3	2.2	4.4	8.1	14.7	21.1	25.4	30.1	F		
1.1	2.8	6.1	11.9	20.8	31.8	44.9	59.2	77.5	98.3	M	Pancreas cancer	157/C25
0.5	1.3	3.1	6.1	11.3	18.1	27.5	41.6	58.3	82.7	F		
0.4	1.6	4.2	7.4	10.8	16.4	18.7	20.9	21.2	21.7	M	Larynx cancer	161/C32
0.1	0.1	0.3	0.5	0.7	0.9	1.5	1.7	2.0	2.2	F		
3.8	13.1	33.5	66.9	121.5	204.3	294.2	392.0	454.5	472.3	M	Lung cancer	162/C33, C34
2.1	6.0	12.0	21.5	37.0	50.4	76.4	101.3	125.3	135.8	F		
1.0	1.7	2.5	3.6	4.6	5.7	7.4	9.9	12.4	18.7	M	Malignant melanoma	172/C43
0.9	1.3	1.9	2.3	2.5	3.3	4.1	5.3	6.8	10.4	F		
8.9	17.7	29.4	43.6	53.9	63.2	69.3	82.2	102.1	149.7	F	Female breast cancer	174/C50
3.7	5.6	7.2	7.4	7.6	9.2	10.2	12.9	14.1	14.1	F	Cervix cancer	180/C53
0.9	1.6	2.9	5.1	8.3	12.9	17.3	22.3	26.6	35.0	F	Other uterine cancer	179, 182/C54, C55
1.6	3.6	7.3	12.0	16.9	22.3	27.7	33.4	40.5	46.6	F	Ovarian cancer	183/C56, C570-C574
0.1	0.2	1.0	3.1	9.1	24.7	52.8	102.1	197.5	462.3	M	Prostate cancer	185/C61
0.3	0.7	1.7	3.9	7.7	16.1	27.9	46.9	69.8	126.4	M	Bladder cancer	188/C67
0.1	0.2	0.5	0.9	1.6	3.2	5.3	9.4	15.7	35.2	F		
7.8	13.5	24.3	41.5	62.2	94.5	134.0	180.7	243.9	353.3	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
5.5	9.3	14.9	24.4	36.7	54.6	80.1	109.3	153.9	249.2	F		
0.4	0.4	0.6	0.6	0.8	1.2	1.4	1.9	2.5	2.9	M	Hodgkin's disease	201/C81
0.3	0.3	0.3	0.4	0.4	0.7	0.8	1.2	1.6	1.9	F		
1.8	2.8	4.8	7.9	13.7	20.5	32.5	46.5	71.0	100.7	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C90, C96
1.0	1.7	2.8	5.1	8.5	12.9	20.9	29.3	43.8	63.6	F	Leukaemia	204-208/C91-C95
2.0	2.5	3.5	5.5	9.0	14.4	23.7	35.0	50.2	78.7	M		
1.6	2.0	2.8	4.0	5.6	8.9	13.1	18.3	26.2	42.4	F		
2.4	4.1	6.9	11.5	19.1	30.6	49.9	74.0	116.1	213.2	M	Diabetes	250/E10-E14
1.5	2.4	4.1	7.5	13.4	24.4	42.1	63.4	98.1	205.9	F		
55.5	115.9	202.5	309.3	456.2	876.0	1277.2	2074.8	2979.5	6679.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
19.2	37.2	65.6	110.3	184.7	399.9	699.6	1357.9	2335.5	6639.3	F		
1.1	1.9	2.6	3.1	3.9	5.8	6.3	7.5	9.4	15.8	M	Rheumatic heart disease and fever	390-398/I00-I09
0.8	1.5	2.2	3.0	4.7	8.1	9.3	11.4	14.9	24.1	F		
1.7	4.0	7.0	11.1	16.1	28.6	41.4	59.3	86.6	205.3	M	Hypertensive disease	401-405/I10-I15
0.9	2.0	3.8	6.3	10.1	19.6	32.1	51.6	87.8	261.6	F		
25.9	60.5	111.2	174.7	259.1	492.4	686.3	1077.8	1464.9	2928.1	M	Ischaemic heart disease	410-414/I20-I25
5.5	11.7	22.5	41.6	79.0	184.2	323.1	626.9	1035.6	2638.3	F		
1.1	1.8	2.8	3.8	5.6	9.1	14.9	21.9	36.2	67.3	M	Pulmonary embolism and other venous	415.1, 451-453/I26, I80-I82
1.0	1.7	2.4	3.0	4.4	7.4	11.8	20.2	34.7	81.2	F		
8.5	18.9	36.6	60.1	95.2	209.0	320.2	556.4	783.0	1757.5	M	Cerebrovascular disease	430-438/I60-I69
4.9	10.9	20.9	36.3	57.1	128.2	224.6	449.7	754.2	1981.1	F		
17.1	28.8	42.3	56.5	76.4	131.2	208.0	351.9	599.3	1705.3	M	Other vascular disease	Rest of 390-459/rest of I00-I99
6.1	9.4	13.8	20.0	29.4	52.5	98.8	198.1	408.4	1653.0	F		
2.0	3.9	7.8	14.7	31.6	75.4	132.9	235.0	359.4	703.9	M	Chronic obstructive pulmonary disease	490-496/J40-J47, J67
1.2	2.0	3.8	7.1	14.6	27.2	52.8	93.6	149.8	303.9	F		
9.5	15.3	21.6	26.6	33.0	55.0	83.8	150.3	302.3	1098.0	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
3.5	4.9	6.6	8.7	12.4	19.5	34.7	64.6	142.9	712.9	F		
1.4	2.5	3.8	5.0	6.0	9.5	11.8	16.5	22.6	46.8	M	Peptic ulcer	531-533/K25-K27
0.3	0.5	0.8	1.1	1.5	2.7	4.4	7.5	13.2	36.9	F		
11.4	22.1	33.9	41.3	50.3	64.1	66.4	63.4	57.4	50.2	M	Liver cirrhosis (incl. some other digestive)	571/K70, K74
4.8	8.4	12.4	16.0	21.3	27.0	29.1	32.7	34.5	31.3	F		
1.9	3.0	4.2	5.9	8.6	14.3	24.4	41.8	78.3	224.5	M	Renal disease	580-590/N00-N19
1.5	2.0	2.7	3.9	5.8	10.7	17.8	27.6	48.6	150.1	F		
0.8	0.3	0.0	0.0	0.0	0.0	-	-	-	0.0	F	Pregnancy, birth	630-676/A34,000-099
1.0	1.1	1.2	1.4	1.5	1.4	1.5	1.6	2.7	4.6	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.9	0.9	1.1	1.2	1.6	1.3	1.3	1.4	1.8	3.4	F		
13.9	19.3	24.2	26.8	29.2	39.5	44.1	59.1	98.1	509.2	M	Ill-defined causes	780-799/R00-R99
3.8	5.1	6.9	7.7	9.5	13.1	18.6	34.5	78.5	673.1	F		
20.0	29.4	40.7	49.4	61.9	87.7	129.2	209.8	403.3	1133.2	M	Other medical causes	Rest of 001-799/rest of A00-R99
11.3	15.9	21.5	29.0	38.4	54.3	85.2	144.8	294.5	1114.6	F		
135.7	159.0	165.9	154.7	139.0	156.6	133.4	145.7	166.5	408.6	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
30.6	35.9	40.0	41.0	40.8	48.0	49.5	63.6	90.1	248.4	F		
23.8	24.2	23.3	20.9	19.6	21.7	20.7	24.1	28.4	38.9	M	Road traffic accidents	E810-E819, E826-E829/part of V01-V99, Y850
6.4	6.6	6.7	6.9	7.1	8.5	9.9	12.4	14.9	15.2	F		
2.8	4.0	4.4	4.2	3.8	5.2	4.2	4.4	5.0	9.9	M	Fire	E890-E899/X00-X09
0.7	1.0	1.1	1.2	1.3	1.7	1.9	2.6	3.6	5.8	F		
34.3	39.8	42.2	41.7	40.1	38.7	37.3	40.9	40.2	66.3	M	Suicide	E950-E959/X60-X84
7.1	8.2	9.4	10.0	10.0	10.7	11.0	12.6	13.4	16.8	F		
14.9	15.7	14.5	11.5	8.4	9.2	5.8	5.2	3.6	10.3	M	Homicide	E960-E969/X85-X99, Y00-Y09
4.3	4.5	4.4	3.7	3.0	3.8	3.1	3.7	3.7	4.3	F		
48302	46933	43486	39050	30498	29449	24096	20445	13326	11661	M	POPULATION	
48465	47816	44985	40848	32924	33906	29295	28254	22352	25881	F	(1000s; UN, 2004 revision)	

<b>ALL DEVELOPED COUNTRIES: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
Total	518075	23949	1124	698	22127	2238	37839	31489	5052	163275	254233
35-69 Sm.	947057	355141	226073	57442	71626	70009	29240	364903	-	127764	-
Total	2926235 (32%)	759242 (47%)	243356 (93%)	86149 (17%)	429737 (17%)	88083 (79%)	85418 (34%)	1094467 (33%)	105076	372633 (34%)	421316
70+ Sm.	594149	235712	157788	21505	56419	121715	19913	172139	-	44670	-
Total	3102101 (19%)	671719 (35%)	174416 (90%)	37447 (57%)	459856 (12%)	171367 (71%)	184734 (11%)	1546206 (11%)	26388	409034 (11%)	92653
Any age Sm.	1541206	590853	383861	78947	128045	191724	49153	537042	-	172434	-
Total	6546411 (24%)	1454910 (41%)	418896 (92%)	124294 (64%)	911720 (14%)	261688 (73%)	307991 (16%)	2672162 (20%)	136516	944942 (18%)	768202
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
Total	424859	20691	849	561	19281	1870	23218	28272	4456	126745	219607
35-69 Sm.	805750	309897	198814	50556	60527	58282	24154	302711	-	110706	-
Total	2704516 (30%)	708595 (44%)	216780 (92%)	80105 (63%)	411710 (15%)	75760 (77%)	77966 (31%)	994912 (30%)	96917	356961 (31%)	393405
70+ Sm.	634106	261517	176258	23987	61272	125520	20742	176784	-	49543	-
Total	3322202 (19%)	756200 (35%)	195771 (90%)	42425 (57%)	518004 (12%)	178034 (71%)	199042 (10%)	1600130 (11%)	26471	462696 (11%)	99629
Any age Sm.	1439856	571414	375072	74543	121799	183802	44896	479495	-	160249	-
Total	6451577 (22%)	1485486 (38%)	413400 (91%)	123091 (61%)	948995 (13%)	255664 (72%)	300226 (15%)	2623314 (18%)	127844	946402 (17%)	712641

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	602874	314438	249582	47870	44754	40582	32229	32175	27312	24660	17448	10301	11105
2000	613090	305845	261813	48302	46933	43486	39050	30498	29449	24096	20445	13326	11661
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	6546411	518075	2926235	182326	236339	282531	309952	504839	604212	806036	791970	694490	1615641
2000	6451577	424859	2704516	147898	217880	290882	353081	380750	610673	703352	898611	841328	1582263
<b>Lung cancer</b>													
1995	418896	1124	243356	2434	7040	14650	24757	47769	63139	83567	72409	48602	53405
2000	413400	849	216780	1852	6158	14570	26106	37043	60166	70885	80138	60560	55073
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1161.2*	165.0*	1373.8*	380.9	528.1	696.2	961.7	1569.0	2212.3	3268.6	4539.0	6742.2	14548.4
2000	1059.8*	139.8*	1226.4*	306.2	464.2	668.9	904.2	1248.4	2073.7	2919.0	4395.2	6313.6	13568.7
<b>All cancer</b>													
1995	260.4*	7.5*	374.9*	30.6	66.5	132.7	248.6	444.0	691.7	1010.1	1327.6	1701.0	2385.0
2000	243.9*	6.6*	339.8*	25.5	57.0	122.5	227.6	385.0	631.3	929.6	1276.8	1658.7	2350.7
<b>Lung cancer</b>													
1995	75.1*	0.3*	121.8*	5.1	15.7	36.1	76.8	148.5	231.2	338.9	415.0	471.8	480.9
2000	67.9*	0.3*	105.3*	3.8	13.1	33.5	66.9	121.5	204.3	294.2	392.0	454.5	472.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	22.4*	0.2*	41.3*	2.6	9.3	20.9	37.5	57.7	73.2	87.7	89.7	93.8	109.3
2000	20.5*	0.2*	37.0*	2.0	7.3	18.8	34.1	49.8	67.9	79.0	88.2	92.8	103.1
<b>Other cancer</b>													
1995	162.9*	6.9*	211.9*	22.9	41.4	75.7	134.3	237.9	387.4	583.5	823.0	1135.4	1794.8
2000	155.5*	6.2*	197.5*	19.7	36.6	70.2	126.7	213.8	359.1	556.4	796.7	1111.4	1775.3
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	46.9*	0.7*	45.4*	2.3	4.3	8.2	18.2	43.7	85.1	156.3	251.4	402.7	774.6
2000	41.6*	0.6*	38.3*	2.0	3.9	7.8	14.7	31.6	75.4	132.9	235.0	359.4	703.9
<b>Other respiratory disease</b>													
1995	55.6*	12.9*	39.9*	10.9	17.1	21.7	27.9	44.4	61.3	96.2	165.8	337.1	1090.3
2000	50.2*	8.3*	35.0*	9.5	15.3	21.6	26.6	33.0	55.0	83.8	150.3	302.3	1098.0
<b>Vascular disease</b>													
1995	478.3*	9.6*	535.4*	68.3	129.1	211.0	326.0	606.5	926.2	1481.1	2126.0	3267.1	7552.6
2000	429.9*	8.9*	470.4*	55.5	115.9	202.5	309.3	456.2	876.0	1277.2	2074.8	2979.5	6679.3
<b>Liver cirrhosis and some other digestive</b>													
1995	24.2*	1.5*	47.0*	13.9	25.2	34.6	46.3	62.3	72.5	74.3	70.7	64.0	67.1
2000	21.2*	1.4*	41.3*	11.4	22.1	33.9	41.3	50.3	64.1	66.4	63.4	57.4	50.2
<b>Other medical causes</b>													
1995	167.5*	53.8*	163.5*	90.4	107.7	116.8	131.7	177.0	219.8	301.3	457.2	790.0	2232.1
2000	158.1*	44.2*	152.4*	66.6	91.1	114.7	130.0	153.3	215.3	295.7	449.1	789.7	2278.0
<b>All non-medical causes</b>													
1995	128.4*	79.0*	167.6*	164.5	178.2	171.3	162.9	191.1	155.6	149.4	140.2	180.3	446.7
2000	114.8*	69.7*	149.2*	135.7	159.0	165.9	154.7	139.0	156.6	133.4	145.7	166.5	408.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>1995, 2000: ALL DEVELOPED COUNTRIES</b>
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### Female smoking-attributed deaths (Sm.) and total deaths (Total)

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	238375	21667	679	360	20628	1680	28769	14640	2340	103315	65964
35-69 Sm.	164150	58216	46288	4271	7657	20455	3958	56548	-	24973	-
35-69 Total	1515125 (11%)	504214 (12%)	67619 (68%)	13453 (32%)	423142 (2%)	40052 (51%)	31921 (12%)	572025 (10%)	47978	198210 (13%)	120725
70+ Sm.	302269	74374	55921	6504	11949	64917	13791	113220	-	35967	-
70+ Total	4417046 (7%)	629059 (12%)	78017 (72%)	18051 (36%)	532991 (2%)	128727 (50%)	220689 (6%)	2586308 (4%)	25524	724579 (5%)	102160
Any age Sm.	466419	132590	102209	10775	19606	85372	17749	169768	-	60940	-
Any age Total	6170546 (8%)	1154940 (11%)	146315 (70%)	31864 (34%)	976761 (2%)	170459 (50%)	281379 (6%)	3172973 (5%)	75842	1026104 (6%)	288849
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	190024	18868	544	313	18011	1218	16990	12734	2213	80902	57099
35-69 Sm.	155336	59537	48057	4128	7352	18919	3899	46973	-	26008	-
35-69 Total	1404336 (11%)	486910 (12%)	69720 (69%)	12879 (32%)	404311 (2%)	35658 (53%)	31479 (12%)	503011 (9%)	43142	193186 (13%)	110950
70+ Sm.	348641	87801	66826	7214	13761	77282	14957	120805	-	47796	-
70+ Total	4618772 (8%)	686093 (13%)	91777 (73%)	18926 (38%)	575390 (2%)	138587 (56%)	234683 (6%)	2624009 (5%)	25059	807955 (6%)	102386
Any age Sm.	503977	147338	114883	11342	21113	96201	18856	167778	-	73804	-
Any age Total	6213132 (8%)	1191871 (12%)	162041 (71%)	32118 (35%)	997712 (2%)	175463 (55%)	283152 (7%)	3139754 (5%)	70414	1082043 (7%)	270435

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

### Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	639022	304009	266371	48045	45402	41425	33702	35219	31208	31370	26349	17334	24960
2000	650178	295452	278239	48465	47816	44985	40848	32924	33906	29295	28254	22352	25881
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	6170546	238375	1515125	64439	90530	120393	144169	244171	324136	527287	705337	757077	2954632
2000	6213132	190024	1404336	57099	87567	124149	164568	194251	331203	445499	721211	932216	2965345
<b>Lung cancer</b>													
1995	146315	679	67619	1153	2491	4909	7371	11271	16587	23837	26840	21639	29538
2000	162041	544	69720	1035	2858	5385	8795	12173	17102	22372	28628	27996	35153
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	680.9*	80.7*	637.8*	134.1	199.4	290.6	427.8	693.3	1038.6	1680.8	2676.9	4367.6	11837.7
2000	637.6*	67.0*	581.1*	117.8	183.1	276.0	402.9	590.0	976.8	1520.7	2552.6	4170.7	11457.6
<b>All cancer</b>													
1995	144.3*	6.9*	211.7*	36.3	64.7	110.8	171.8	250.8	353.2	494.4	669.1	851.3	1222.7
2000	138.5*	6.2*	200.1*	32.3	60.6	103.1	162.4	237.4	337.2	467.9	635.7	841.0	1230.6
<b>Lung cancer</b>													
1995	18.6*	0.2*	29.0*	2.4	5.5	11.9	21.9	32.0	53.1	76.0	101.9	124.8	118.3
2000	19.1*	0.2*	29.3*	2.1	6.0	12.0	21.5	37.0	50.4	76.4	101.3	125.3	135.8
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.9*	0.1*	5.7*	0.7	1.3	2.5	4.7	6.6	10.1	14.2	18.2	23.8	36.7
2000	3.7*	0.1*	5.3*	0.6	1.3	2.7	4.4	6.4	9.0	12.9	16.9	21.7	35.9
<b>Other cancer</b>													
1995	121.8*	6.5*	177.0*	33.2	57.9	96.4	145.2	212.2	289.9	404.2	549.1	702.8	1067.7
2000	115.7*	5.9*	165.5*	29.6	53.3	88.4	136.4	194.0	277.7	378.7	517.5	694.0	1058.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	18.4*	0.5*	17.4*	1.3	2.4	4.1	8.2	16.7	31.3	58.1	98.9	158.9	301.0
2000	17.4*	0.4*	15.5*	1.2	2.0	3.8	7.1	14.6	27.2	52.8	93.6	149.8	303.9
<b>Other respiratory disease</b>													
1995	29.9*	10.4*	13.3*	3.7	5.3	6.4	8.6	13.0	20.7	35.6	72.0	161.6	696.0
2000	27.4*	6.5*	12.9*	3.5	4.9	6.6	8.7	12.4	19.5	34.7	64.6	142.9	712.9
<b>Vascular disease</b>													
1995	323.3*	4.7*	247.8*	22.1	40.4	70.1	119.2	245.8	427.3	809.6	1409.4	2463.3	7163.4
2000	297.6*	4.2*	216.6*	19.2	37.2	65.6	110.3	184.7	399.9	699.6	1357.9	2335.5	6639.3
<b>Liver cirrhosis and some other digestive</b>													
1995	10.7*	0.7*	19.6*	5.3	9.2	12.8	18.7	27.6	29.8	34.0	36.2	37.6	37.9
2000	9.3*	0.7*	17.0*	4.8	8.4	12.4	16.0	21.3	27.0	29.1	32.7	34.5	31.3
<b>Other medical causes</b>													
1995	114.7*	36.1*	81.6*	30.3	36.8	44.2	56.5	85.7	126.3	191.4	321.6	593.4	2151.3
2000	112.0*	30.0*	78.0*	26.3	34.1	44.3	57.4	78.8	118.0	187.0	304.6	576.8	2291.1
<b>All non-medical causes</b>													
1995	39.7*	21.5*	46.4*	35.2	40.7	42.2	44.8	53.8	50.1	57.9	69.6	101.5	265.4
2000	35.3*	19.0*	40.8*	30.6	35.9	40.0	41.0	40.8	48.0	49.5	63.6	90.1	248.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>ALL DEVELOPED COUNTRIES: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (millions)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.4	– / 0.2	–
35–69	0.8 / 2.7	0.2 / 1.4	22 years
70+	0.6 / 3.3	0.3 / 4.6	8 years
<b>All ages</b>	<b>1.4 / 6.5</b>	<b>0.5 / 6.2</b>	<b>15 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

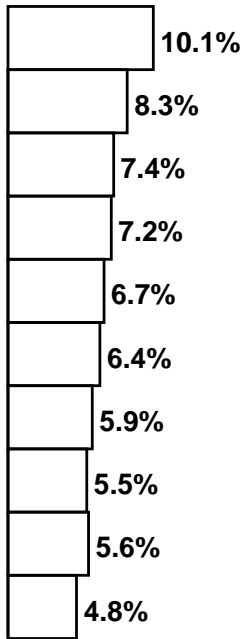
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.8	199/217	176/196	375/413	–/0.5	48/70	67/92	115/162
All Cancer	–/21	310/709 (44%)	262/756 (35%)	571/1485	–/19	60/487 (12%)	88/686 (13%)	147/1192
Vascular	–/28	303/995	177/1600	479/2623	–/13	47/503	121/2624	168/3140
Respiratory	–/25	82/154	146/377	229/556	–/18	23/67	92/373	115/459
All Other	–/351	111/847	50/589	160/1787	–/140	26/347	48/935	74/1423
All Causes	–/425	806/2705 (30%)	634/3322 (19%)	1440/6452	–/190	155/1404 (11%)	349/4619 (8%)	504/6213

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (millions) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	0.6 / 1.5 (38%)	0.1 / 1.2 (12%)	0.7 / 2.7 (27%)
All Causes	1.4 / 6.5 (22%)	0.5 / 6.2 (8%)	1.9 / 13 (15%)

**1955-2000: ALL DEVELOPED COUNTRIES**

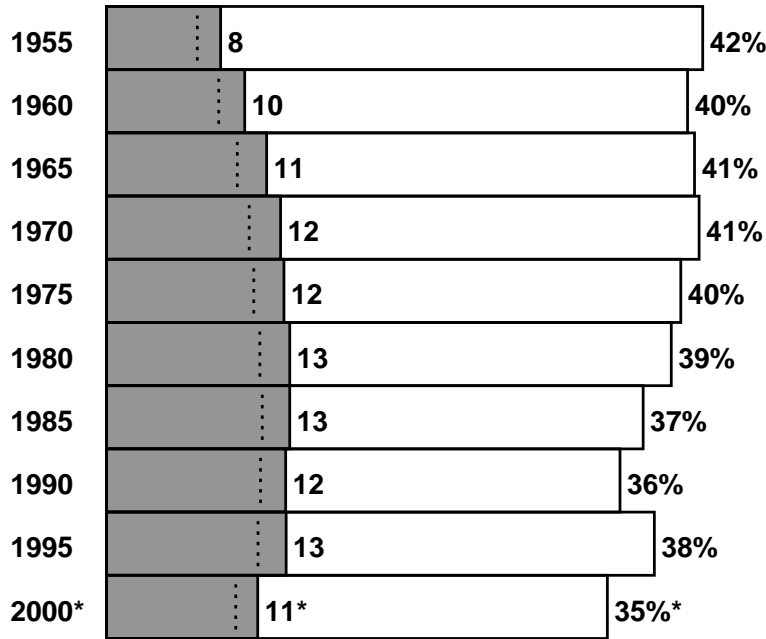
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

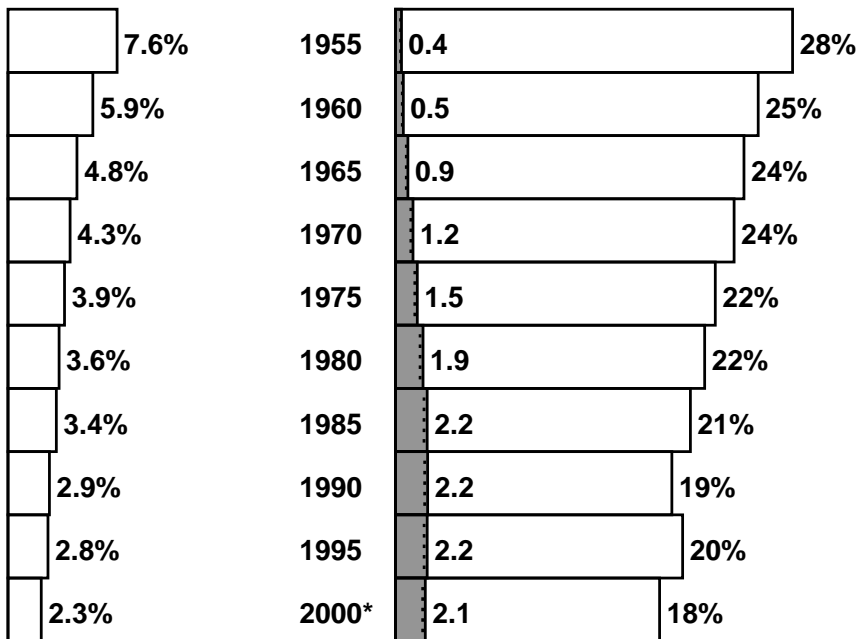
\*eg, at year 2000 male death rates, out of 100 men aged 35, 35 would die before age 70 (with 11 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



<b>ALL DEVELOPED COUNTRIES: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/878	356/1813 <b>(20%)</b>	90/1638 <b>(5%)</b>	446/4329	-/652	20/1349 <b>(2%)</b>	6.9/2010 <b>(0.3%)</b>	27/4011
1960	-/736	448/1834 <b>(24%)</b>	137/1799 <b>(8%)</b>	585/4369	-/517	28/1291 <b>(2%)</b>	9.6/2179 <b>(0.4%)</b>	38/3987
1965	-/663	568/2072 <b>(27%)</b>	217/2007 <b>(11%)</b>	785/4742	-/426	50/1376 <b>(4%)</b>	20/2480 <b>(0.8%)</b>	70/4282
1970	-/637	662/2268 <b>(29%)</b>	317/2202 <b>(14%)</b>	979/5107	-/372	75/1441 <b>(5%)</b>	42/2804 <b>(1%)</b>	117/4617
1975	-/605	704/2308 <b>(31%)</b>	420/2432 <b>(17%)</b>	1124/5344	-/340	97/1425 <b>(7%)</b>	73/3132 <b>(2%)</b>	170/4897
1980	-/597	759/2346 <b>(32%)</b>	492/2682 <b>(18%)</b>	1251/5624	-/312	123/1399 <b>(9%)</b>	112/3501 <b>(3%)</b>	234/5211
1985	-/555	801/2324 <b>(34%)</b>	552/2918 <b>(19%)</b>	1353/5797	-/299	143/1356 <b>(11%)</b>	170/3941 <b>(4%)</b>	313/5595
1990	-/521	863/2482 <b>(35%)</b>	546/2862 <b>(19%)</b>	1409/5865	-/258	160/1393 <b>(11%)</b>	235/4023 <b>(6%)</b>	395/5674
1995	-/518	947/2926 <b>(32%)</b>	594/3102 <b>(19%)</b>	1541/6546	-/238	164/1515 <b>(11%)</b>	302/4417 <b>(7%)</b>	466/6171
2000	-/425	806/2705 <b>(30%)</b>	634/3322 <b>(19%)</b>	1440/6452	-/190	155/1404 <b>(11%)</b>	349/4619 <b>(8%)</b>	504/6213

**50-year total\* (M=millions), mid-1950 to mid-2000: 63/ 517M**

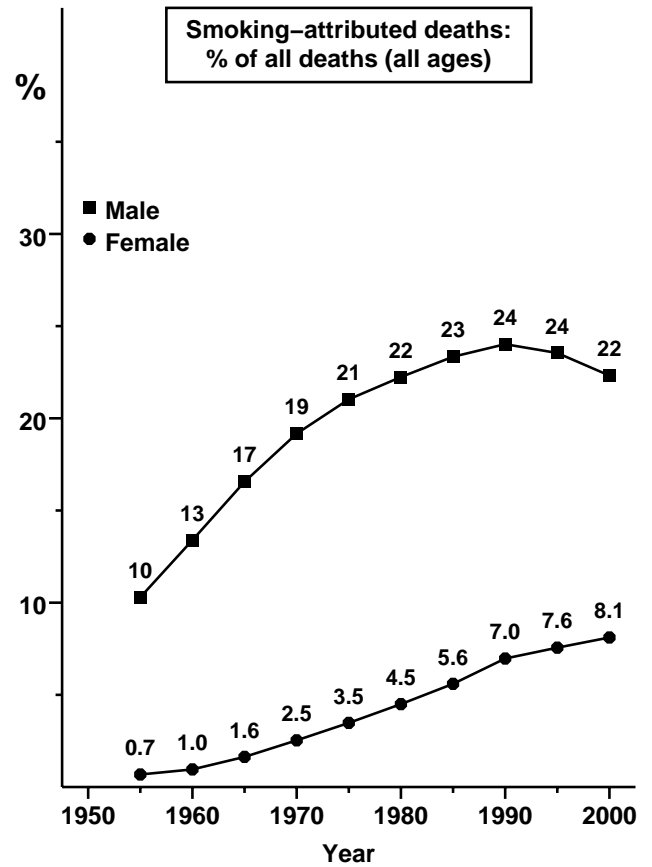
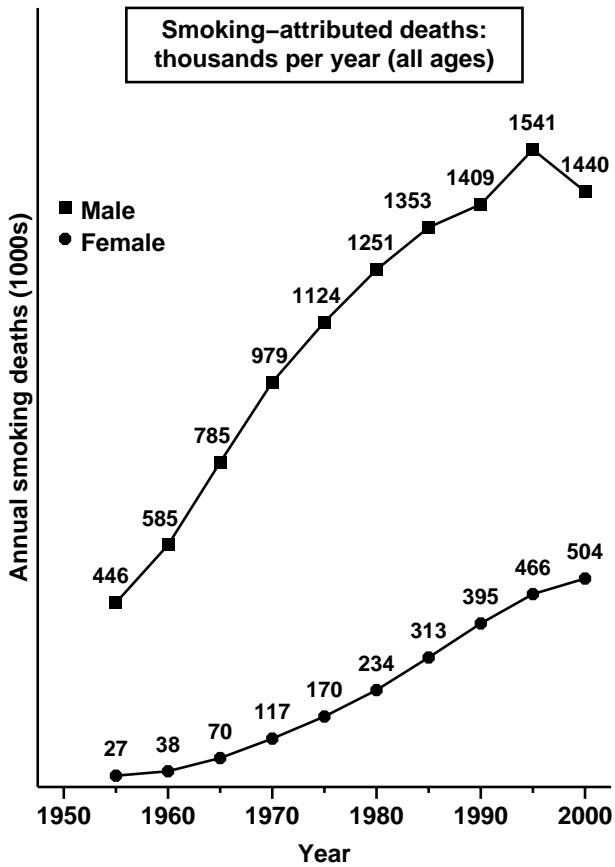
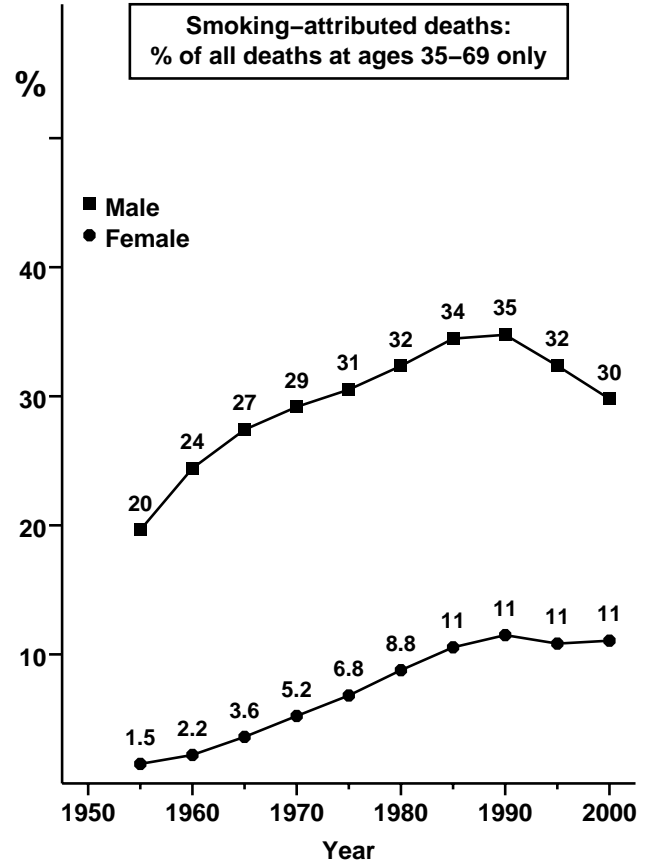
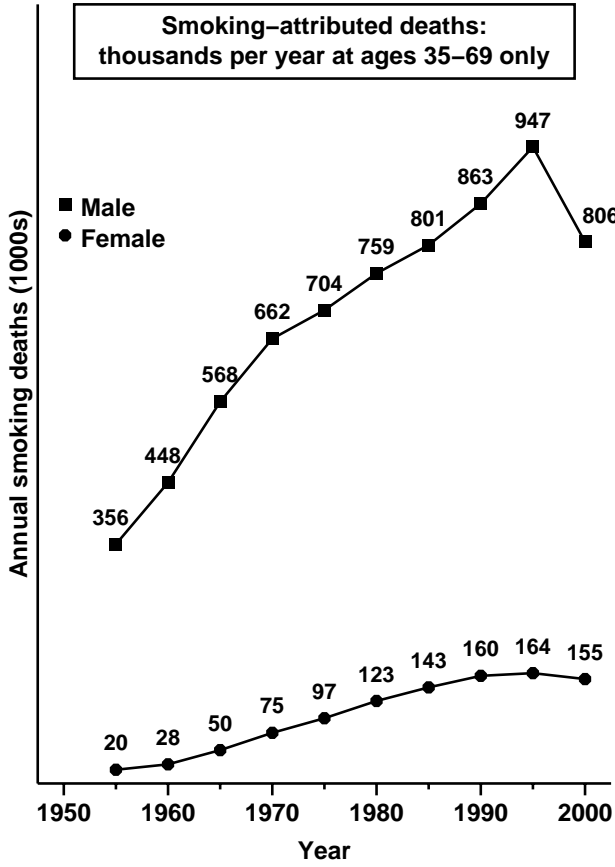
**1950-2000 by age & sex:**

-/32M	34/114M	19/121M	52/268M	-/20M	4.7/70M	5.7/160M	10/250M
	<b>(30%)</b>	<b>(15%)</b>			<b>(7%)</b>	<b>(4%)</b>	

\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

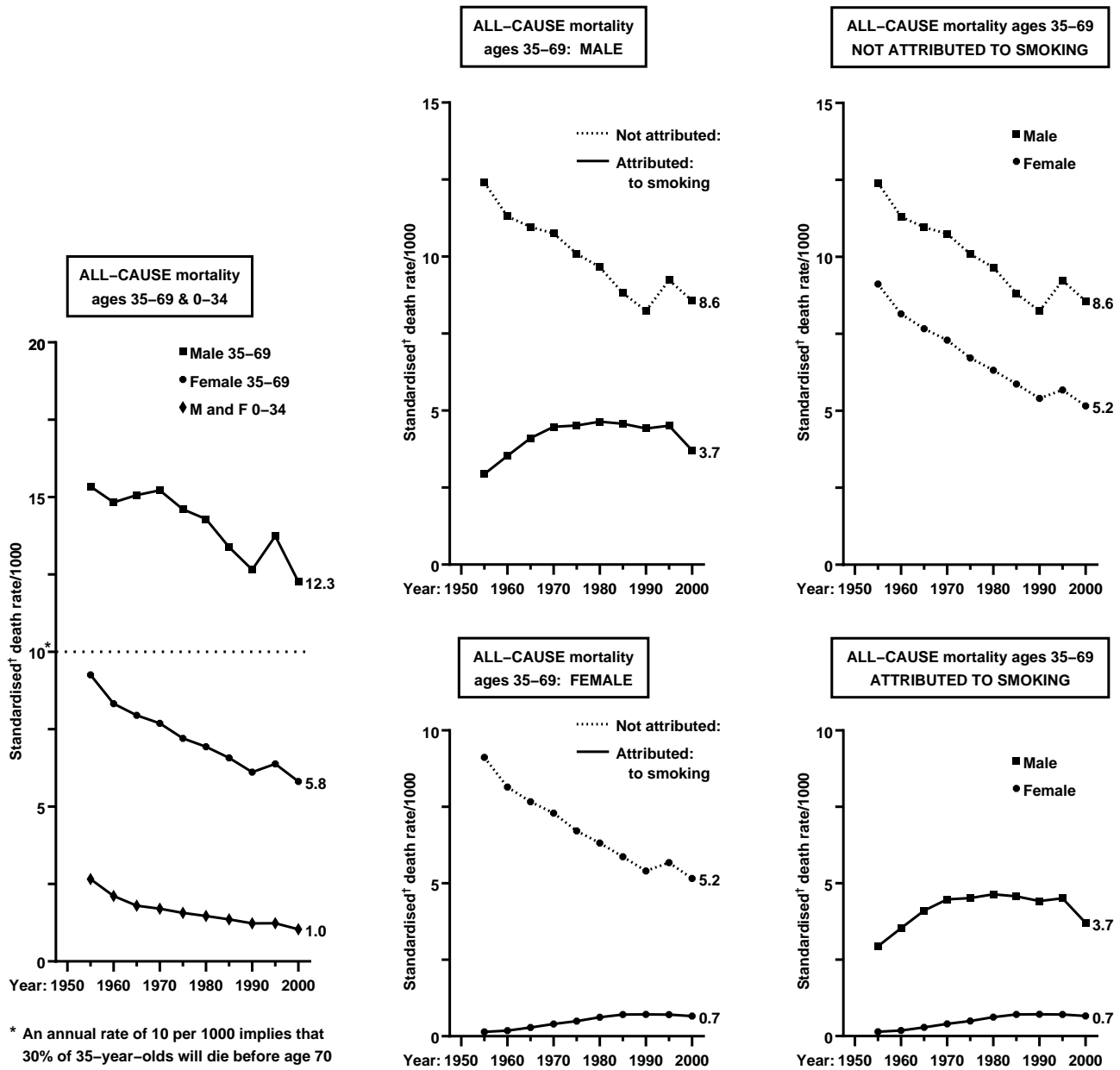


1955-2000: ALL DEVELOPED COUNTRIES



**ALL DEVELOPED COUNTRIES: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

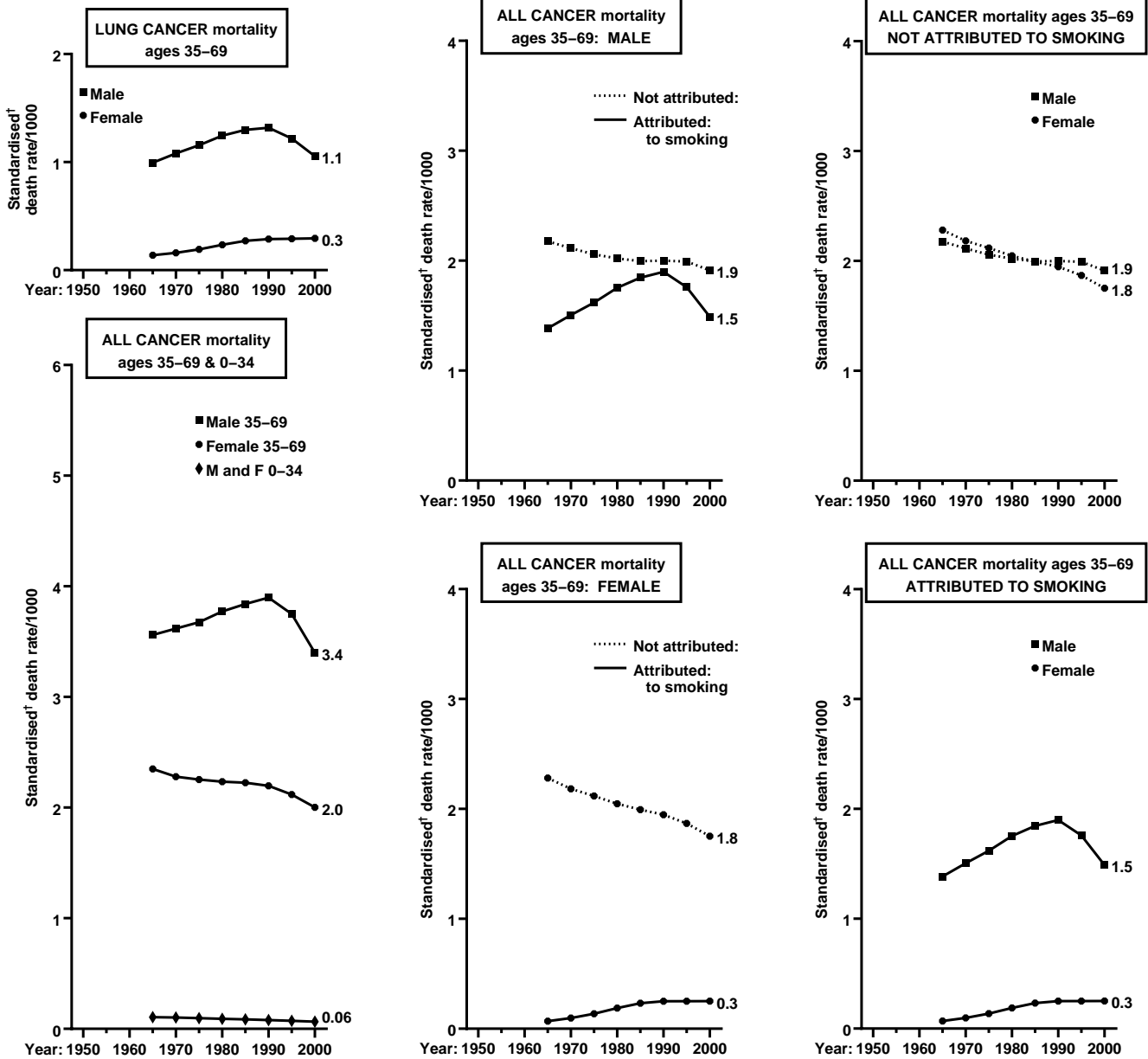
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	3.05	2.94	12.4	4.62	70.1	-	2.26	0.14	9.11	0.26	55.6	-	2.26	0.18	8.14	0.30	52.0
1960	-	2.48	3.53	11.3	6.50	67.5	-	1.74	0.18	8.14	0.30	52.0	-	1.41	0.28	7.66	0.56	49.9
1965	-	2.19	4.10	11.0	9.31	65.6	-	1.26	0.40	7.29	0.90	48.1	-	1.15	0.49	6.71	1.30	45.3
1970	-	2.13	4.47	10.7	12.3	63.3	-	1.04	0.62	6.31	1.66	40.9	-	0.98	0.71	5.87	2.20	38.8
1975	-	1.98	4.51	10.1	14.3	60.2	-	0.84	0.71	5.40	2.84	33.9	-	0.81	0.70	5.67	3.14	32.1
1980	-	1.89	4.64	9.65	14.3	56.0	-	0.7	0.66	5.15	3.02	30.6	-	0.67	0.66	5.15	3.02	30.6
1985	-	1.73	4.57	8.81	14.3	53.3	-	0.67	0.66	5.15	3.02	30.6	-	0.67	0.66	5.15	3.02	30.6
1990	-	1.61	4.42	8.24	13.2	46.5	-	0.67	0.66	5.15	3.02	30.6	-	0.67	0.66	5.15	3.02	30.6
1995	-	1.65	4.51	9.23	12.6	43.8	-	0.67	0.66	5.15	3.02	30.6	-	0.67	0.66	5.15	3.02	30.6
2000	-	1.40	3.70	8.56	11.7	41.9	-	0.67	0.66	5.15	3.02	30.6	-	0.67	0.66	5.15	3.02	30.6

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1965-2000: ALL DEVELOPED COUNTRIES

ALL CANCER mortality rates attributed and not attributed to smoking



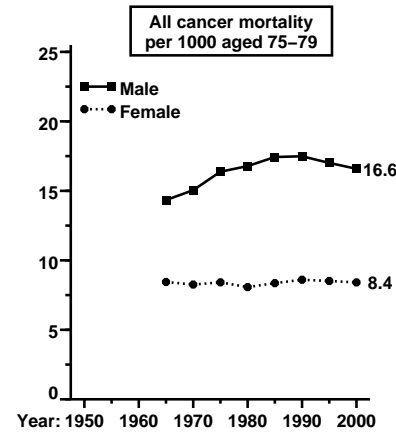
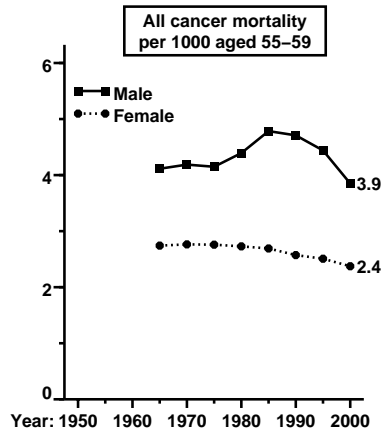
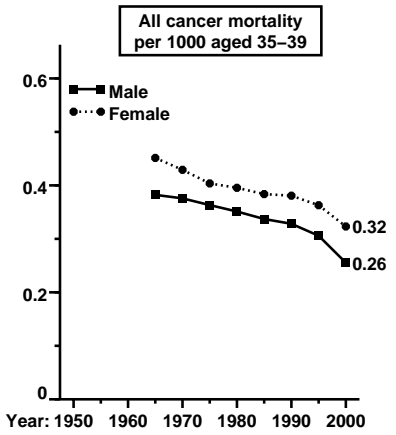
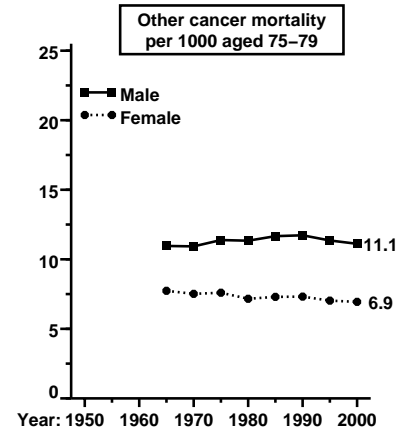
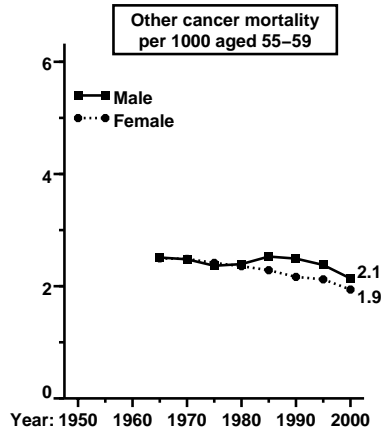
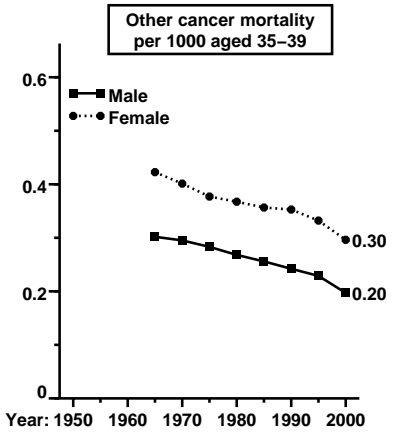
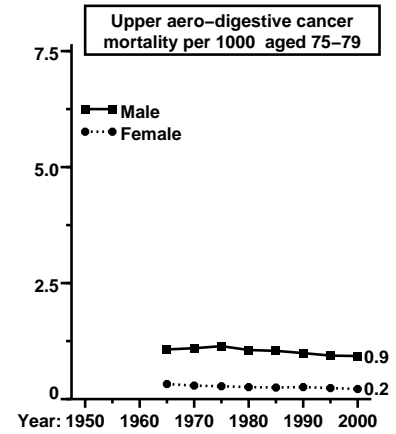
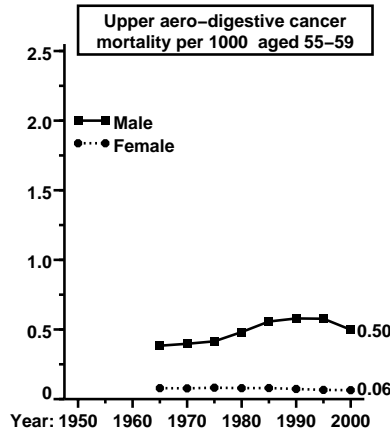
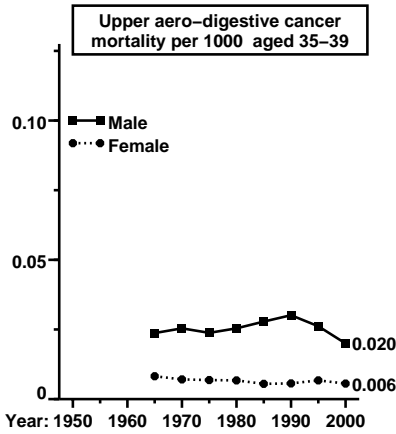
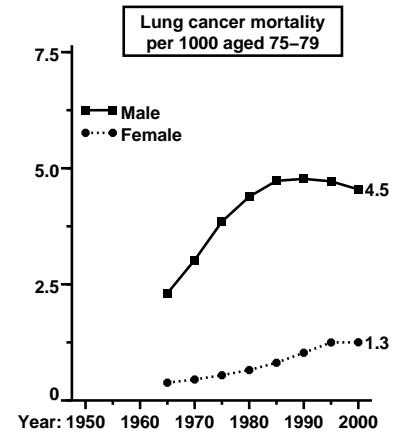
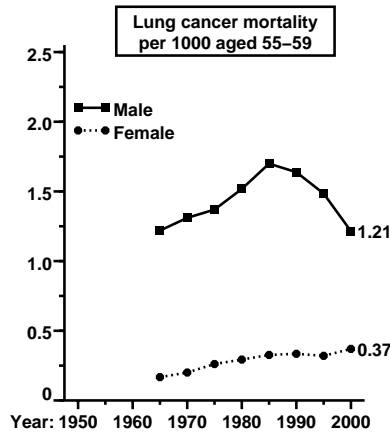
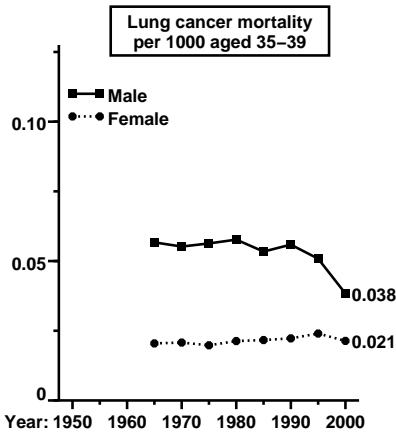
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	-	0.11	1.38	2.18	3.15	10.0	-	0.10	0.07	2.28	0.10	2.18	0.10	7.55	-	0.09
1970	-	0.11	1.50	2.11	4.06	9.77	-	0.09	0.10	2.18	0.10	2.12	0.28	7.19	-	0.08
1975	-	0.10	1.62	2.06	5.03	9.82	-	0.09	0.14	2.12	0.19	2.05	0.42	6.82	-	0.08
1980	-	0.09	1.75	2.02	5.50	9.54	-	0.08	0.23	1.99	0.25	1.95	0.63	6.88	-	0.07
1985	-	0.09	1.84	1.99	5.84	9.62	-	0.07	0.25	1.95	0.25	1.87	0.90	6.75	-	0.07
1990	-	0.08	1.90	2.00	5.86	9.52	-	0.07	0.25	1.87	0.25	1.75	1.04	6.56	-	0.06
1995	-	0.07	1.76	1.99	5.76	9.39	-	0.06	0.25	1.75	1.03	6.35	-	0.06	-	0.06
2000	-	0.07	1.49	1.91	5.46	9.22	-	0.06	0.25	1.75	1.03	6.35	-	0.06	-	0.06

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**ALL DEVELOPED COUNTRIES: 1965-2000**

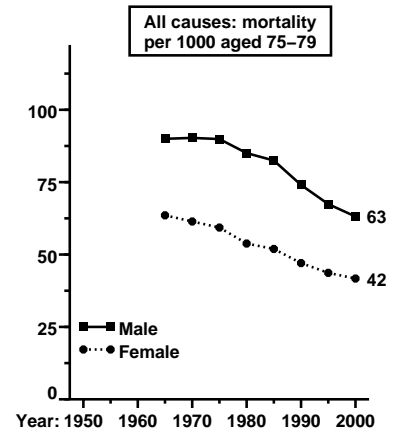
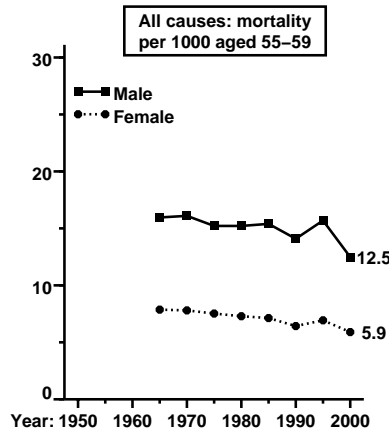
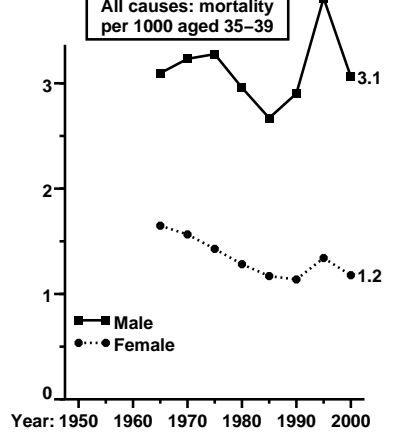
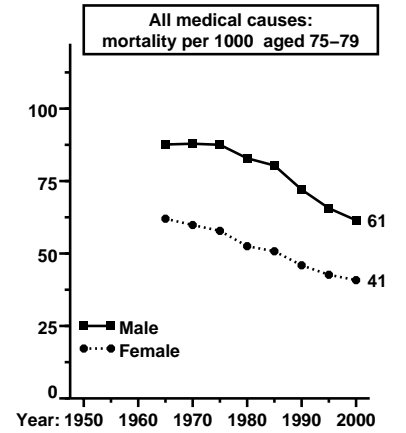
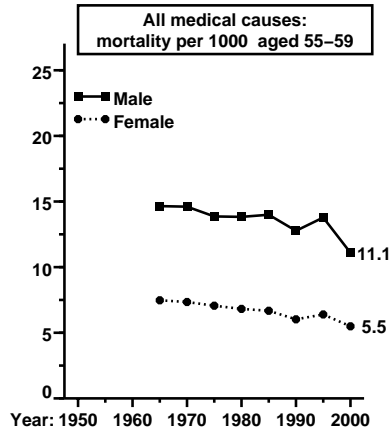
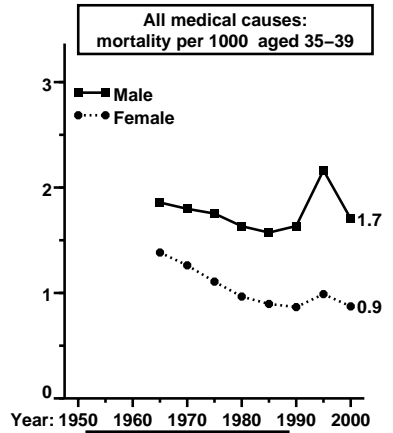
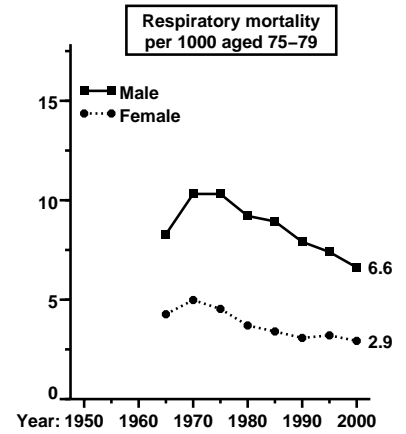
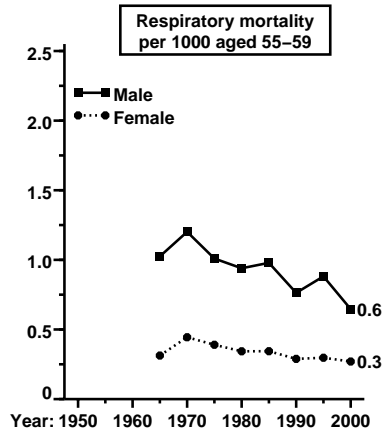
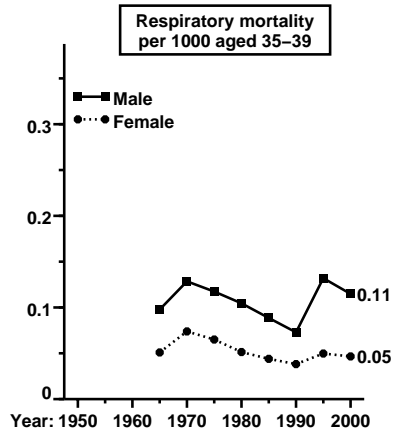
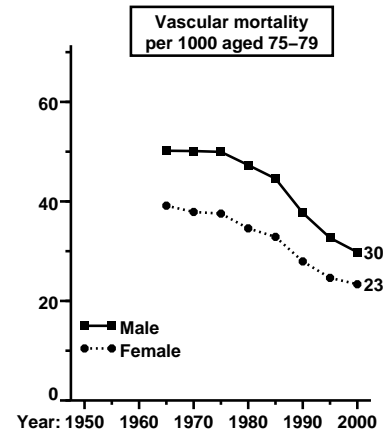
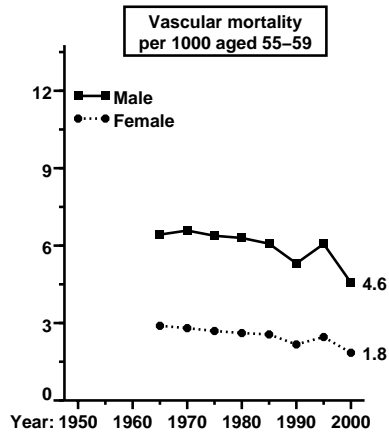
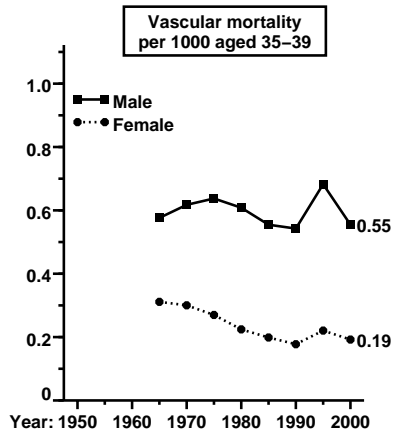
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: 1965, 1975, 1985, 1990, 1995 and 2000

**1965-2000: ALL DEVELOPED COUNTRIES**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: 1965, 1975, 1985, 1990, 1995 and 2000

<b>EU15 (European Union - 15 countries*): 2000</b>
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		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	1807681	65775	583571	833.3	75.2	819.0	126.0	14.2	17.2	63.5	95.6	99.1	110.5
	F	1866409	30692	304310	512.3	37.9	400.3	102.3	10.7	12.3	27.2	31.5	33.6	47.6
Tuberculosis	M	2568	57	852	1.2	0.1	1.2	0.0	-	0.0	0.0	0.1	0.1	0.2
	F	1644	36	306	0.5	0.0	0.4	0.0	0.0	-	0.0	0.1	0.1	0.1
HIV	M	4679	1157	3425	2.3	1.1	3.7	0.1	0.0	0.0	0.1	0.6	2.1	5.1
	F	1135	402	705	0.6	0.4	0.7	0.1	0.0	0.0	0.0	0.2	0.8	1.7
Other infective and parasitic	M	16085	920	5548	7.5	1.1	7.7	3.9	0.3	0.4	0.6	0.6	0.8	1.2
	F	18156	690	3368	5.3	0.9	4.5	3.3	0.4	0.4	0.7	0.5	0.5	0.6
ALL CANCER	M	523696	5256	219462	241.7	5.8	314.4	3.1	3.4	3.0	5.3	6.1	8.0	11.7
	F	414216	4644	144453	137.3	5.2	189.2	2.5	2.6	2.7	3.4	4.3	6.9	13.7
Mouth and pharynx cancer	M	15033	100	10485	7.4	0.1	14.2	0.0	0.0	0.0	0.1	0.2	0.2	0.3
	F	4536	52	2061	1.6	0.1	2.6	0.0	0.0	0.0	0.0	0.0	0.1	0.2
Oesophagus cancer	M	17054	36	9562	8.1	0.0	13.4	-	-	-	-	0.0	0.1	0.2
	F	6088	14	1828	1.9	0.0	2.4	-	-	-	-	0.0	0.0	0.1
Stomach cancer	M	30466	141	11859	13.9	0.1	17.1	-	-	-	0.0	0.1	0.3	0.6
	F	22147	133	5705	6.7	0.1	7.5	-	-	0.0	0.0	0.1	0.3	0.5
Colorectal cancer	M	56622	192	21203	25.8	0.2	30.9	0.0	-	-	0.1	0.2	0.3	0.7
	F	54417	187	13793	16.3	0.2	18.4	-	-	0.0	0.1	0.2	0.3	0.8
Liver cancer	M	16463	84	7575	7.6	0.1	11.1	0.1	0.0	0.0	0.1	0.1	0.2	0.2
	F	6797	46	1833	2.1	0.1	2.5	0.1	0.0	0.0	0.0	0.1	0.1	0.1
Pancreas cancer	M	23552	67	11081	11.0	0.1	15.9	-	-	-	0.0	0.0	0.1	0.3
	F	24197	32	7039	7.5	0.0	9.5	-	-	0.0	-	0.1	0.0	0.1
Larynx cancer	M	8832	12	5060	4.2	0.0	7.1	-	-	0.0	-	-	0.0	0.1
	F	925	2	408	0.3	0.0	0.5	-	-	-	-	-	-	0.0
Lung cancer	M	139330	190	67343	64.6	0.2	97.2	0.0	0.0	0.0	0.0	0.1	0.2	0.9
	F	44650	119	19031	15.8	0.1	25.1	0.0	0.0	0.0	0.0	0.1	0.2	0.5
Malignant melanoma	M	5051	229	2866	2.4	0.2	3.8	0.0	-	0.0	0.1	0.2	0.5	0.8
	F	4378	157	1999	1.6	0.2	2.5	0.0	0.0	-	0.1	0.2	0.4	0.5
Female breast cancer	F	73759	683	35341	27.2	0.7	45.1	-	0.0	0.0	-	0.2	0.8	3.8
Cervix cancer	F	6202	206	3488	2.5	0.2	4.3	-	-	-	-	0.1	0.4	1.0
Other uterine cancer	F	12442	38	4199	4.0	0.0	5.6	-	-	0.0	0.0	0.0	0.1	0.2
Ovarian cancer	F	23029	183	10383	8.3	0.2	13.7	-	0.0	0.0	0.1	0.3	0.3	0.6
Prostate cancer	M	55521	7	9232	24.5	0.0	14.2	-	0.0	-	0.0	0.0	-	0.0
Bladder cancer	M	21497	22	5877	9.6	0.0	8.8	0.0	0.0	-	-	0.0	0.1	0.1
	F	8283	10	1369	2.3	0.0	1.9	-	0.0	-	0.0	-	-	0.1
Other and ill-defined cancer sites	M	95291	2472	42022	44.5	2.8	59.2	1.8	2.1	1.5	2.5	3.0	3.8	4.7
	F	86411	1627	25529	27.5	1.9	33.8	1.5	1.6	1.7	1.7	1.7	2.2	3.1
Hodgkin's disease	M	1241	162	628	0.6	0.2	0.8	-	0.0	0.0	0.2	0.3	0.3	0.4
	F	1014	148	376	0.4	0.2	0.5	0.0	0.0	0.0	0.2	0.3	0.3	0.3
Myeloma and non-Hodgkin lymphomas	M	21465	456	8931	9.9	0.5	12.7	0.1	0.2	0.2	0.4	0.7	0.8	1.1
	F	21047	262	6259	6.7	0.3	8.4	0.1	0.1	0.1	0.3	0.4	0.4	0.6
Leukaemia	M	16278	1086	5738	7.6	1.3	8.1	1.0	1.0	1.2	1.7	1.3	1.2	1.4
	F	13894	745	3812	4.5	0.9	5.0	0.8	0.8	0.7	1.0	0.7	0.9	1.2
Diabetes	M	32427	190	9651	14.6	0.2	14.0	0.0	-	0.0	0.1	0.2	0.4	0.7
	F	47768	126	6071	12.4	0.1	8.3	0.0	0.0	0.0	0.1	0.1	0.2	0.4
ALL VASCULAR DISEASE	M	664458	3669	171707	299.8	3.9	247.3	2.9	0.6	1.1	2.4	4.0	6.3	10.3
	F	818782	2078	68955	199.3	2.3	93.4	2.6	0.4	0.9	1.4	2.1	3.6	5.4
Rheumatic heart disease and fever	M	3020	46	1026	1.4	0.1	1.5	0.0	-	0.0	0.0	0.0	0.1	0.1
	F	7090	39	1418	2.0	0.0	1.9	0.0	-	0.1	0.1	0.1	0.1	0.1
Hypertensive disease	M	21548	48	4964	9.7	0.0	7.2	0.0	0.0	0.0	0.0	0.0	0.1	0.2
	F	41459	29	2897	9.9	0.0	4.0	0.0	-	0.0	-	0.0	0.0	0.1
Ischaemic heart disease	M	297880	754	93641	135.2	0.8	134.8	0.1	-	0.0	0.2	0.5	1.3	3.2
	F	270041	184	26827	67.2	0.2	36.8	0.1	0.0	0.0	0.1	0.2	0.4	0.7
Pulmonary embolism and other venous	M	14112	171	4712	6.4	0.2	6.6	0.0	0.0	0.0	0.1	0.2	0.3	0.6
	F	22875	249	3906	6.3	0.3	5.2	0.0	0.0	0.0	0.2	0.4	0.4	0.7
Cerebrovascular disease	M	148323	742	27969	66.2	0.8	40.7	0.5	0.2	0.3	0.4	0.9	1.3	2.0
	F	230134	631	17791	55.6	0.7	23.8	0.4	0.2	0.3	0.4	0.5	1.2	1.9
Other vascular disease	M	179575	1908	39395	81.0	2.1	56.5	2.2	0.4	0.7	1.6	2.3	3.2	4.3
	F	247183	946	16116	58.4	1.1	21.7	2.1	0.2	0.5	0.7	0.9	1.4	1.9
Chronic obstructive pulmonary disease	M	78603	284	15190	34.8	0.3	22.9	0.2	0.1	0.3	0.3	0.4	0.4	0.5
	F	49176	205	7610	13.3	0.2	10.4	0.1	0.1	0.2	0.3	0.3	0.3	0.5
Other respiratory disease	M	95883	1167	15028	42.9	1.3	21.7	2.9	0.3	0.4	0.9	1.3	1.6	2.1
	F	114577	657	7674	27.2	0.8	10.2	1.9	0.3	0.3	0.6	0.7	0.8	1.0
Peptic ulcer	M	6757	34	1926	3.1	0.0	2.7	0.0	-	-	0.0	0.0	0.1	0.1
	F	7679	26	914	2.0	0.0	1.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Liver cirrhosis	M	37414	535	26721	18.5	0.5	35.6	0.0	0.0	0.0	0.0	0.0	0.6	2.9
	F	19437	276	10892	7.7	0.3	13.8	0.0	0.0	0.0	0.0	0.1	0.5	1.3
Renal disease	M	17469	136	3307	7.8	0.2	4.8	0.3	0.0	0.0	0.1	0.1	0.3	0.3
	F	19550	128	2256	5.0	0.1	3.1	0.2	0.0	0.0	0.1	0.2	0.2	0.3
Pregnancy, birth	F	211	144	67	0.1	0.2	0.1	-	-	-	0.1	0.2	0.4	0.5
Congenital and perinatal causes	M	10491	9068	987	7.6	12.4	1.2	80.4	1.0	0.9	1.1	1.0	1.1	1.0
	F	8739	7199	953	6.4	10.3	1.2	66.7	1.1	1.0	1.1	0.9	0.7	0.9
Ill-defined causes	M	54237	4655	18298	25.9	5.4	24.2	13.7	0.6	0.6	2.8	5.4	6.9	7.9
	F	72331	2023	7210	18.5	2.6	9.2	9.9	0.4	0.4	1.1	1.9	1.8	2.6
Other medical causes	M	150380	6739	41646	69.2	7.6	56.7	10.0	2.7	2.8	5.5	8.6	10.4	13.1
	F	208301	3561	25568	54.4	4.3	33.4	8.3	2.4	2.4	3.4	4.0	4.3	5.6
ALL NON-MEDICAL CAUSES	M	112534	31908	49823	56.3	35.2	60.9	8.4	5.0	7.7	44.4	67.3	60.2	53.3
	F	64707	8497	17308	22.4	10.0	21.0	6.5	2.8	3.9	14.9	16.1	12.7	12.9
Road traffic accidents	M	30114	14536	11542	15.6	16.3	13.9	1.9	2.2	3.9	26.7	35.7	25.5	17.9
	F	10229	3870	3760	4.8	4.6	4.5	1.5	1.3	2.2	8.9	8.8	5.4	4.1
Fire	M	1624	372	779	0.8	0.4	1.0	0.5	0.4	0.2	0.3	0.5	0.5	0.6
	F	1075	161	348	0.4	0.2	0.4	0.5	0.2	0.1	0.1	0.2	0.1	0.2
Suicide	M	32169	7520	18124	16.1	8.0	21.9	-	0.0	0.9	7.4	14.1	16.2	17.4
	F	11289	1910	6454	5.0	2.1	7.7	-	-	0.3	2.7	3.0	3.9	4.8
Homicide	M	2350	1047	1177	1.2	1.2	1.3	0.8	0.4	0.2	0.9	2.0	2.0	1.8
	F													

## 2000: EU15 (European Union - 15 countries)

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
150.7	233.3	365.1	550.1	853.6	1364.6	2215.8	3545.0	5798.6	13692.7	M	ALL CAUSES	001-999/A00-Y89
74.7	121.8	191.9	284.5	420.6	649.2	1059.3	1824.6	3320.7	11218.3	F		
0.4	0.5	0.6	0.8	1.2	1.7	2.9	5.1	10.4	17.0	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.1	0.1	0.3	0.2	0.3	0.6	1.3	2.4	4.3	7.5	F		
8.1	6.5	3.9	2.5	2.0	1.7	1.4	0.8	0.5	0.3	M	HIV	279.5, 279.6/B20-B24
2.1	1.4	0.7	0.3	0.2	0.3	0.2	0.2	0.1	0.1	F		
2.2	2.7	4.1	5.4	7.4	11.8	20.0	31.9	49.6	107.9	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.0	1.3	1.9	2.6	4.2	7.4	12.8	21.2	35.5	94.9	F		
22.1	51.8	112.0	207.8	352.4	567.3	887.4	1273.8	1758.0	2645.6	M	ALL CANCER	140-208/C00-C97
28.1	55.9	95.5	151.9	226.9	320.4	446.1	626.0	857.5	1409.0	F		
1.1	4.1	10.0	15.7	20.3	22.8	25.3	25.3	25.3	30.1	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	1.0	1.9	2.7	3.5	4.2	4.9	5.6	6.9	13.9	F		
0.7	2.3	6.1	11.5	17.8	24.2	31.3	37.7	45.5	54.4	M	Oesophagus cancer	150/C15
0.1	0.4	0.9	1.8	3.1	4.5	6.2	9.3	13.0	23.9	F		
1.4	3.1	5.7	10.3	17.3	31.1	50.6	75.8	107.3	169.6	M	Stomach cancer	151/C16
1.5	2.2	3.3	5.0	7.6	12.5	20.6	31.8	47.9	97.2	F		
1.6	3.8	8.2	16.9	32.7	57.9	95.0	140.3	205.3	329.9	M	Colorectal cancer	153, 154/C18-C21
1.6	3.6	7.1	12.3	21.1	32.8	50.5	76.9	119.9	241.8	F		
0.4	1.2	2.8	6.1	11.1	20.9	35.2	47.2	56.6	56.5	M	Liver cancer	155.0/C22 excl C221
0.2	0.4	0.8	1.1	2.4	4.3	8.1	13.3	17.6	23.1	F		
0.7	2.3	4.9	10.3	20.0	30.2	42.9	58.0	75.0	99.0	M	Pancreas cancer	157/C25
0.5	1.2	3.1	5.8	10.8	18.3	26.7	40.9	59.6	87.0	F		
0.3	1.5	3.6	6.6	9.2	11.8	16.4	19.1	22.9	27.3	M	Larynx cancer	161/C32
0.0	0.1	0.4	0.5	0.8	0.8	1.1	1.6	1.6	2.4	F		
3.3	12.3	31.4	62.9	112.6	178.8	278.8	381.8	460.2	467.5	M	Lung cancer	162/C33, C34
1.9	6.6	12.5	20.1	31.7	42.2	60.7	83.5	97.1	101.1	F		
1.1	1.7	2.5	3.6	4.7	5.7	7.6	9.6	10.9	15.9	M	Malignant melanoma	172/C43
0.9	1.5	1.8	2.5	2.9	3.5	4.5	5.7	7.0	11.6	F		
9.5	18.6	30.3	46.3	60.3	71.7	79.4	96.5	119.6	195.6	F	Female breast cancer	174/C50
2.3	3.6	4.2	4.2	4.4	5.1	5.9	7.2	8.8	11.6	F	Cervix cancer	180/C53
0.6	1.1	2.2	3.9	6.2	10.1	14.8	20.5	26.9	42.2	F	Other uterine cancer	179, 182/C54, C55
1.3	3.2	6.4	11.5	18.1	24.6	30.5	37.3	45.4	54.5	F	Ovarian cancer	183/C56, C570-C574
0.1	0.2	0.9	3.1	9.1	27.2	59.1	116.0	233.3	586.9	M	Prostate cancer	185/C61
0.2	0.6	1.7	4.0	7.7	16.0	30.9	54.6	86.7	163.1	M	Bladder cancer	188/C67
0.1	0.2	0.6	1.0	1.6	3.6	5.7	11.1	18.2	45.1	F		
7.2	13.3	25.9	43.3	66.7	103.1	154.9	217.7	297.1	449.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.9	8.5	14.2	24.0	37.9	58.0	88.9	127.9	185.4	331.7	F		
0.4	0.5	0.6	0.6	0.8	1.2	1.6	2.0	3.0	3.5	M	Hodgkin's disease	201/C81
0.3	0.3	0.3	0.4	0.4	0.6	1.0	1.4	1.8	2.2	F		
1.9	2.6	4.5	8.0	14.1	22.5	35.2	52.1	74.6	101.6	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.9	1.7	2.9	5.3	9.1	14.6	24.2	36.1	51.4	71.8	F	Leukaemia	204-208/C91-C95
1.7	2.3	3.0	4.9	8.3	13.8	22.7	36.8	54.2	90.9	M		
1.1	1.7	2.6	3.4	4.9	8.8	12.4	19.6	29.5	52.5	F		
1.3	2.5	4.2	7.6	13.5	24.0	45.1	72.9	120.7	251.9	M	Diabetes	250/E10-E14
0.7	1.0	1.8	3.3	6.6	13.9	31.0	56.7	106.1	284.2	F		
21.3	47.2	87.7	147.4	245.7	426.5	755.4	1321.4	2332.2	6202.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
9.4	17.5	29.4	46.5	76.9	155.5	318.6	673.7	1448.1	5830.3	F		
0.1	0.3	0.5	0.7	1.5	2.7	4.6	7.4	11.3	18.8	M	Rheumatic heart disease and fever	390-398/I00-I09
0.1	0.2	0.4	0.8	1.7	3.5	6.8	11.0	18.2	32.1	F		
0.4	1.1	2.3	4.0	7.5	12.4	22.8	38.8	73.7	225.4	M	Hypertensive disease	401-405/I10-I15
0.2	0.4	1.0	1.9	3.6	6.7	14.0	30.9	69.4	308.5	F		
9.2	23.6	47.7	83.9	141.2	236.6	401.3	656.5	1058.7	2303.7	M	Ischaemic heart disease	410-414/I20-I25
1.9	4.7	9.1	15.4	29.1	63.7	133.4	268.7	540.6	1788.6	F		
1.0	2.2	3.0	4.1	6.6	11.0	18.5	28.6	49.6	104.6	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.0	1.6	2.5	3.3	4.9	8.4	14.5	26.1	47.2	127.9	F		
3.7	7.5	13.2	21.2	35.7	67.9	135.9	273.5	559.4	1610.4	M	Cerebrovascular disease	430-438/I60-I69
3.3	5.8	9.4	13.7	19.6	37.3	77.6	178.4	413.9	1659.2	F		
6.9	12.5	21.0	33.4	53.2	96.0	172.4	316.7	579.5	1939.4	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.9	4.6	6.9	11.4	17.9	36.0	72.3	158.7	358.8	1913.8	F		
0.9	1.9	3.7	7.8	18.4	40.2	87.2	180.1	332.0	748.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.6	1.2	2.4	5.2	9.7	17.7	35.9	69.2	113.1	264.3	F		
3.1	5.0	7.1	11.7	18.4	35.8	70.7	146.0	318.9	1194.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.9	2.5	4.0	5.8	9.2	16.0	32.2	69.8	160.8	891.0	F		
0.3	0.7	1.3	2.0	2.8	4.6	7.3	12.7	24.0	60.0	M	Peptic ulcer	531-533/K25-K27
0.1	0.4	0.5	0.6	1.1	2.0	3.8	7.3	15.3	49.5	F		
7.7	16.5	26.7	33.8	44.0	57.1	63.5	62.8	61.0	56.8	M	Liver cirrhosis	571/K70, K74
3.5	6.4	10.5	14.1	17.0	21.1	24.2	28.5	32.6	30.5	F		
0.5	0.9	1.5	2.4	4.4	8.1	15.9	31.5	62.1	193.8	M	Renal disease	580-590/N00-N19
0.3	0.5	0.9	1.5	2.6	5.2	10.4	18.9	36.7	127.7	F		
0.3	0.1	-	0.0	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.9	0.9	1.1	1.4	1.7	1.4	1.2	1.7	2.8	3.8	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.8	0.8	0.9	1.3	1.6	1.4	1.3	1.5	1.7	3.1	F	Ill-defined causes	780-799/R00-R99
9.9	13.2	17.0	19.6	26.5	35.4	48.0	67.4	109.2	471.4	M		
3.2	4.2	6.4	7.1	9.2	13.2	21.3	35.8	71.8	554.5	F		
17.3	24.7	34.1	41.9	56.7	85.0	137.3	240.8	472.8	1365.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.9	11.8	17.2	23.9	33.4	50.9	89.1	168.4	359.7	1379.7	F		
54.8	58.5	60.1	58.0	58.3	64.0	72.3	96.1	144.4	372.6	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
14.7	16.7	19.6	20.2	21.5	23.6	31.0	45.1	77.4	292.0	F		
15.0	14.1	13.8	12.8	12.7	13.7	15.2	18.7	24.9	32.0	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
3.8	4.0	4.1	4.1	4.3	4.8	6.8	8.2	10.0	10.5	F		
0.8	0.9	1.0	0.8	1.0	1.1	1.0	1.4	2.5	5.5	M	Fire	E890-E899/X00-X09
0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.9	1.8	3.5	F		
20.3	23.2	23.3	21.5	20.4	21.6	22.9	27.7	35.9	60.9	M	Suicide	E950-E959/X60-X84
5.8	6.8	8.4	8.1	8.4	8.2	8.3	9.4	10.4	12.4	F		
1.9	1.9	1.7	1.3	1.1	1.0	0.6	0.6	0.8	1.0	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.0	0.9	0.6	0.7	0.5	0.5	0.5	0.5	0.9	0.7	F		
15207	13775	12662	12331	10539	9924	8533	7177	5161	4416	M	POPULATION	
14987	13683	12715	12389	10789	10572	9704	9229	8208	9720	F	(1000s; UN, 2004 revision)	

<b>EU15 (European Union - 15 countries): 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	84654	5981	272	162	5547	374	1540	4650	858	32960	38291
35-69	Sm.	203051	105347	68017	17586	19744	14523	3742	54174	-	25265	-
	Total	641365 (32%)	233128 (45%)	73784 (92%)	27596 (64%)	131748 (15%)	19007 (76%)	14248 (26%)	205053 (26%)	29254	88160 (9%)	52515
70+	Sm.	228216	94485	61525	8687	24273	49200	7645	58854	-	18032	-
	Total	1133019 (20%)	279748 (34%)	67903 (91%)	14962 (58%)	196883 (12%)	68033 (72%)	68863 (11%)	513075 (11%)	10833	162632 (11%)	29835
Any age	Sm.	431267	199832	129542	26273	44017	63723	11387	113028	-	43297	-
	Total	1859038 (23%)	518857 (39%)	141959 (91%)	42720 (62%)	334178 (13%)	87414 (73%)	84651 (13%)	722778 (16%)	40945	283752 (15%)	120641
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	65775	5256	190	148	4918	284	1167	3669	535	22956	31908
35-69	Sm.	171192	93357	61333	15190	16834	11112	3532	40960	-	22231	-
	Total	583571 (29%)	219462 (43%)	67343 (91%)	25107 (61%)	127012 (13%)	15190 (73%)	15028 (24%)	171707 (24%)	26721	85640 (26%)	49823
70+	Sm.	222447	97940	64589	8849	24502	44962	8249	52008	-	19288	-
	Total	1158335 (19%)	298978 (33%)	71797 (90%)	15664 (56%)	211517 (12%)	63129 (71%)	79688 (10%)	489082 (11%)	10158	186497 (10%)	30803
Any age	Sm.	393639	191297	125922	24039	41336	56074	11781	92968	-	41519	-
	Total	1807681 (22%)	523696 (37%)	139330 (90%)	40919 (59%)	343447 (12%)	78603 (71%)	95883 (12%)	664458 (14%)	37414	295093 (14%)	112534

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	181688	88577	78286	13810	12783	12613	10908	10495	9356	8321	6590	3740	4495
2000	184753	85028	82971	15207	13775	12662	12331	10539	9924	8533	7177	5161	4416
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1859038	84654	641365	26562	34092	49112	65859	102899	149999	212842	266663	239189	627167
2000	1807681	65775	583571	22922	32134	46228	67833	89956	135415	189083	254429	299286	604620
<b>Lung cancer</b>													
1995	141959	272	73784	653	1852	4304	7407	12938	19661	26969	27525	18215	22163
2000	139330	190	67343	496	1695	3982	7762	11870	17747	23791	27403	23753	20641
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	917.8*	91.9*	942.0*	192.3	266.7	389.4	603.7	980.5	1603.3	2558.0	4046.2	6395.3	13951.6
2000	833.3*	75.2*	819.0*	150.7	233.3	365.1	550.1	853.6	1364.6	2215.8	3545.0	5798.6	13692.7
<b>All cancer</b>													
1995	259.4*	6.4*	348.4*	26.4	59.7	122.6	225.3	386.0	640.2	978.2	1374.1	1834.8	2682.1
2000	241.7*	5.8*	314.4*	22.1	51.8	112.0	207.8	352.4	567.3	887.4	1273.8	1758.0	2645.6
<b>Lung cancer</b>													
1995	71.6*	0.3*	111.3*	4.7	14.5	34.1	67.9	123.3	210.2	324.1	417.6	487.0	493.0
2000	64.6*	0.2*	97.2*	3.3	12.3	31.4	62.9	112.6	178.8	278.8	381.8	460.2	467.5
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	22.2*	0.2*	39.8*	2.6	10.2	22.5	37.8	53.1	70.7	81.5	91.3	99.7	116.0
2000	19.8*	0.2*	34.6*	2.1	7.9	19.7	33.8	47.3	58.8	72.9	82.1	93.7	111.8
<b>Other cancer</b>													
1995	165.6*	5.9*	197.3*	19.1	35.0	66.0	119.6	209.6	359.4	572.6	865.1	1248.1	2073.1
2000	157.3*	5.5*	182.6*	16.8	31.6	60.9	111.1	192.4	329.7	535.7	810.0	1204.1	2066.3
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	41.9*	0.4*	29.8*	1.0	2.1	4.4	9.9	22.2	53.7	115.4	230.8	406.9	836.6
2000	34.8*	0.3*	22.9*	0.9	1.9	3.7	7.8	18.4	40.2	87.2	180.1	332.0	748.9
<b>Other respiratory disease</b>													
1995	40.2*	1.7*	21.4*	3.7	5.5	7.0	10.7	18.0	35.7	69.2	146.3	309.5	1060.0
2000	42.9*	1.3*	21.7*	3.1	5.0	7.1	11.7	18.4	35.8	70.7	146.0	318.9	1194.6
<b>Vascular disease</b>													
1995	349.9*	4.8*	309.3*	27.2	54.3	97.8	169.3	307.0	551.1	958.8	1641.6	2796.5	6680.1
2000	299.8*	3.9*	247.3*	21.3	47.2	87.7	147.4	245.7	426.5	755.4	1321.4	2332.2	6202.3
<b>Liver cirrhosis</b>													
1995	21.6*	0.8*	40.9*	10.7	18.5	26.5	37.7	54.7	68.0	70.4	73.1	72.5	73.5
2000	18.5*	0.5*	35.6*	7.7	16.5	26.7	33.8	44.0	57.1	63.5	62.8	61.0	56.8
<b>Other medical causes</b>													
1995	142.5*	37.6*	124.1*	61.8	60.9	68.7	87.4	123.4	183.1	283.3	471.4	822.9	2242.1
2000	139.2*	28.1*	116.3*	40.8	52.6	67.7	83.6	116.4	173.6	279.1	464.8	852.2	2472.0
<b>All non-medical causes</b>													
1995	62.4*	40.2*	68.1*	61.5	65.8	62.3	63.5	69.3	71.5	82.6	108.9	152.3	377.3
2000	56.3*	35.2*	60.9*	54.8	58.5	60.1	58.0	58.3	64.0	72.3	96.1	144.4	372.6

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994



<b>1995, 2000: EU15 (European Union - 15 countries)</b>
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### Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	38216	5385	150	72	5163	272	853	2576	357	18507	10266
35-69	Sm.	33277	13805	10677	1282	1846	4617	861	9353	-	4641	-
	Total	331714	151146	17351	4166	129629	8858	6783	85718	12111	48590	18508
		(10%)	(9%)	(62%)	(31%)	(1%)	(52%)	(13%)	(11%)		(10%)	
70+	Sm.	81345	19775	14008	2329	3438	18524	4980	28834	-	9232	-
	Total	1510705	255621	22379	6785	226457	42586	93896	785570	9254	284090	39688
		(5%)	(8%)	(63%)	(34%)	(2%)	(43%)	(5%)	(4%)		(3%)	
Any age	Sm.	114622	33580	24685	3611	5284	23141	5841	38187	-	13873	-
	Total	1880635	412152	39880	11023	361249	51716	101532	873864	21722	351187	68462
		(6%)	(8%)	(62%)	(33%)	(1%)	(45%)	(6%)	(4%)		(4%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	30692	4644	119	68	4457	205	657	2078	276	14335	8497
35-69	Sm.	33815	15569	12208	1429	1932	4189	961	7973	-	5123	-
	Total	304310	144453	19031	4297	121125	7610	7674	68955	10892	47418	17308
		(11%)	(11%)	(64%)	(33%)	(2%)	(55%)	(13%)	(12%)		(11%)	
70+	Sm.	89065	22944	16447	2640	3857	20165	5704	28701	-	11551	-
	Total	1531407	265119	25500	7184	232435	41361	106246	747749	8269	323761	38902
		(6%)	(9%)	(64%)	(37%)	(2%)	(49%)	(5%)	(4%)		(4%)	
Any age	Sm.	122880	38513	28655	4069	5789	24354	6665	36674	-	16674	-
	Total	1866409	414216	44650	11549	358017	49176	114577	818782	19437	385514	64707
		(7%)	(9%)	(64%)	(35%)	(2%)	(50%)	(6%)	(4%)		(4%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

### Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	191322	85560	80657	13668	12757	12471	10926	10828	10120	9888	9226	6003	9875
2000	193856	81860	84838	14987	13683	12715	12389	10789	10572	9704	9229	8208	9720
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1880635	38216	331714	11749	17109	25134	33606	49724	74098	120294	194663	224227	1091815
2000	1866409	30692	304310	11200	16668	24404	35245	45375	68628	102790	168397	272574	1090436
<b>Lung cancer</b>													
1995	39880	150	17351	323	733	1369	1885	2672	4177	6192	7448	5709	9222
2000	44650	119	19031	280	899	1590	2485	3425	4464	5888	7704	7970	9826
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	546.2*	44.9*	448.2*	86.0	134.1	201.5	307.6	459.2	732.2	1216.6	2109.9	3735.1	11056.5
2000	512.3*	37.9*	400.3*	74.7	121.8	191.9	284.5	420.6	649.2	1059.3	1824.6	3320.7	11218.3
<b>All cancer</b>													
1995	145.2*	5.8*	203.3*	32.2	61.2	104.9	164.6	237.7	339.6	483.1	671.1	891.3	1419.8
2000	137.3*	5.2*	189.2*	28.1	55.9	95.5	151.9	226.9	320.4	446.1	626.0	857.5	1409.0
<b>Lung cancer</b>													
1995	14.9*	0.1*	23.6*	2.4	5.7	11.0	17.3	24.7	41.3	62.6	80.7	95.1	93.4
2000	15.8*	0.1*	25.1*	1.9	6.6	12.5	20.1	31.7	42.2	60.7	83.5	97.1	101.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.9*	0.1*	5.6*	0.5	1.4	3.0	5.5	6.5	9.4	13.0	17.1	23.7	38.3
2000	3.9*	0.1*	5.6*	0.4	1.5	3.2	5.1	7.4	9.5	12.2	16.5	21.5	40.1
<b>Other cancer</b>													
1995	126.4*	5.5*	174.1*	29.3	54.0	90.9	141.9	206.5	288.9	407.5	573.2	772.5	1288.1
2000	117.6*	5.0*	158.5*	25.8	47.8	79.8	126.8	187.7	268.6	373.2	526.1	738.9	1267.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	14.9*	0.3*	12.3*	0.7	1.5	2.7	5.3	10.8	21.5	43.6	79.6	130.5	277.5
2000	13.3*	0.2*	10.4*	0.6	1.2	2.4	5.2	9.7	17.7	35.9	69.2	113.1	264.3
<b>Other respiratory disease</b>													
1995	24.9*	1.0*	9.3*	1.6	2.3	3.3	4.9	7.6	15.0	30.0	66.4	168.4	786.5
2000	27.2*	0.8*	10.2*	1.9	2.5	4.0	5.8	9.2	16.0	32.2	69.8	160.8	891.0
<b>Vascular disease</b>													
1995	225.0*	2.8*	118.5*	10.6	19.1	31.7	54.4	98.0	201.0	414.5	870.4	1786.8	6055.8
2000	199.3*	2.3*	93.4*	9.4	17.5	29.4	46.5	76.9	155.5	318.6	673.7	1448.1	5830.3
<b>Liver cirrhosis</b>													
1995	9.0*	0.4*	16.0*	3.9	7.7	10.8	15.5	20.1	24.1	29.6	34.7	37.8	38.2
2000	7.7*	0.3*	13.8*	3.5	6.4	10.5	14.1	17.0	21.1	24.2	28.5	32.6	30.5
<b>Other medical causes</b>													
1995	102.6*	23.2*	65.3*	20.0	23.4	28.8	40.2	60.8	104.0	179.8	336.0	633.6	2177.9
2000	105.1*	19.1*	62.1*	16.6	21.7	30.6	40.7	59.3	94.8	171.2	312.3	631.2	2501.2
<b>All non-medical causes</b>													
1995	24.7*	11.4*	23.5*	17.0	18.9	19.4	22.5	24.3	26.9	35.9	51.7	86.7	300.9
2000	22.4*	10.0*	21.0*	14.7	16.7	19.6	20.2	21.5	23.6	31.0	45.1	77.4	292.0

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>EU15 (European Union - 15 countries): 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 66	– / 31	–
35–69	171 / 584	34 / 304	23 years
70+	222 / 1158	89 / 1531	8 years
<b>All ages</b>	<b>394 / 1808</b>	<b>123 / 1866</b>	<b>14 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

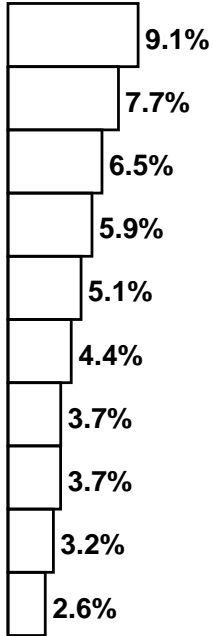
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.2	61/67	65/72	126/139	–/0.1	12/19	16/26	29/45
All Cancer	–/5.3	93/219 (43%)	98/299 (33%)	191/524	–/4.6	16/144 (11%)	23/265 ( 9%)	39/414
Vascular	–/3.7	41/172	52/489	93/664	–/2.1	8.0/69	29/748	37/819
Respiratory	–/1.5	15/30	53/143	68/174	–/0.9	5.2/15	26/148	31/164
All Other	–/55	22/162	19/227	42/445	–/23	5.1/76	12/371	17/470
<b>All Causes</b>	<b>–/66</b>	<b>171/584 (29%)</b>	<b>222/1158 (19%)</b>	<b>394/1808</b>	<b>–/31</b>	<b>34/304 (11%)</b>	<b>89/1531 ( 6%)</b>	<b>123/1866</b>

**Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	191 / 524 (37%)	39 / 414 ( 9%)	230 / 938 (25%)
All Causes	394 / 1808 (22%)	123 / 1866 ( 7%)	517 / 3674 (14%)

1955-2000: EU15 (European Union - 15 countries)

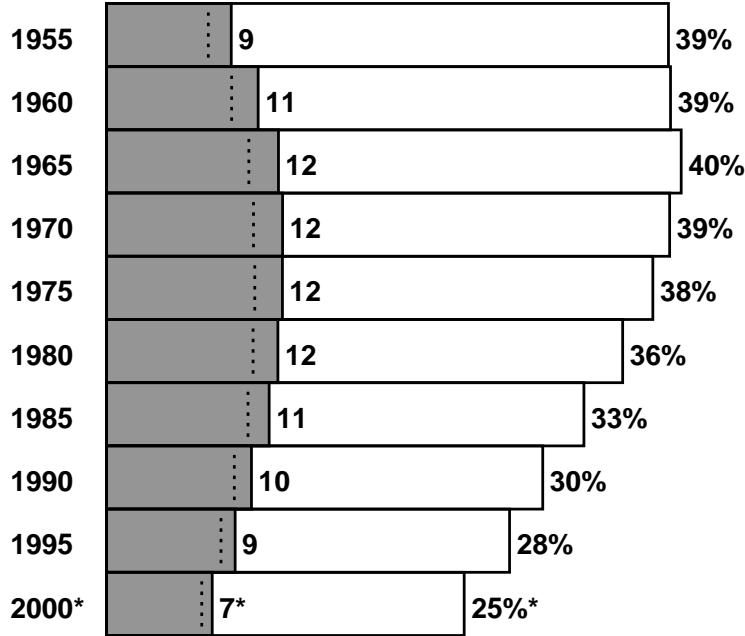
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

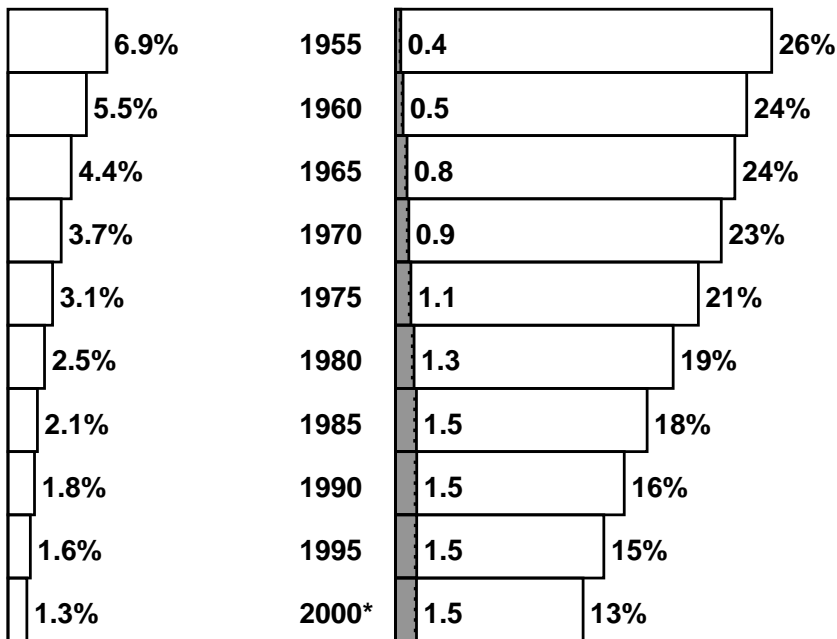
\*eg, at year 2000 male death rates, out of 100 men aged 35, 25 would die before age 70 (with 7 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



<b>EU15 (European Union - 15 countries): 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/235	153/659 <b>(23%)</b>	44/757 <b>(6%)</b>	197/1651	-/173	7.2/495 <b>(1%)</b>	2.6/894 <b>(0.3%)</b>	9.8/1562
1960	-/205	196/706 <b>(28%)</b>	70/820 <b>(9%)</b>	265/1731	-/141	11/489 <b>(2%)</b>	6.0/992 <b>(0.6%)</b>	17/1622
1965	-/183	235/780 <b>(30%)</b>	105/872 <b>(12%)</b>	340/1836	-/120	17/499 <b>(3%)</b>	11/1092 <b>(1%)</b>	28/1710
1970	-/162	249/798 <b>(31%)</b>	149/932 <b>(16%)</b>	398/1892	-/99	20/494 <b>(4%)</b>	18/1198 <b>(2%)</b>	39/1792
1975	-/136	247/773 <b>(32%)</b>	201/1039 <b>(19%)</b>	448/1947	-/78	23/462 <b>(5%)</b>	27/1313 <b>(2%)</b>	50/1853
1980	-/117	234/707 <b>(33%)</b>	219/1086 <b>(20%)</b>	453/1910	-/63	27/407 <b>(7%)</b>	35/1365 <b>(3%)</b>	61/1835
1985	-/97	225/658 <b>(34%)</b>	241/1143 <b>(21%)</b>	465/1898	-/49	30/364 <b>(8%)</b>	52/1461 <b>(4%)</b>	81/1874
1990	-/97	221/668 <b>(33%)</b>	220/1094 <b>(20%)</b>	441/1859	-/45	33/362 <b>(9%)</b>	62/1462 <b>(4%)</b>	95/1869
1995	-/85	203/641 <b>(32%)</b>	228/1133 <b>(20%)</b>	431/1859	-/38	33/332 <b>(10%)</b>	81/1511 <b>(5%)</b>	115/1881
2000	-/66	171/584 <b>(29%)</b>	222/1158 <b>(19%)</b>	394/1808	-/31	34/304 <b>(11%)</b>	89/1531 <b>(6%)</b>	123/1866

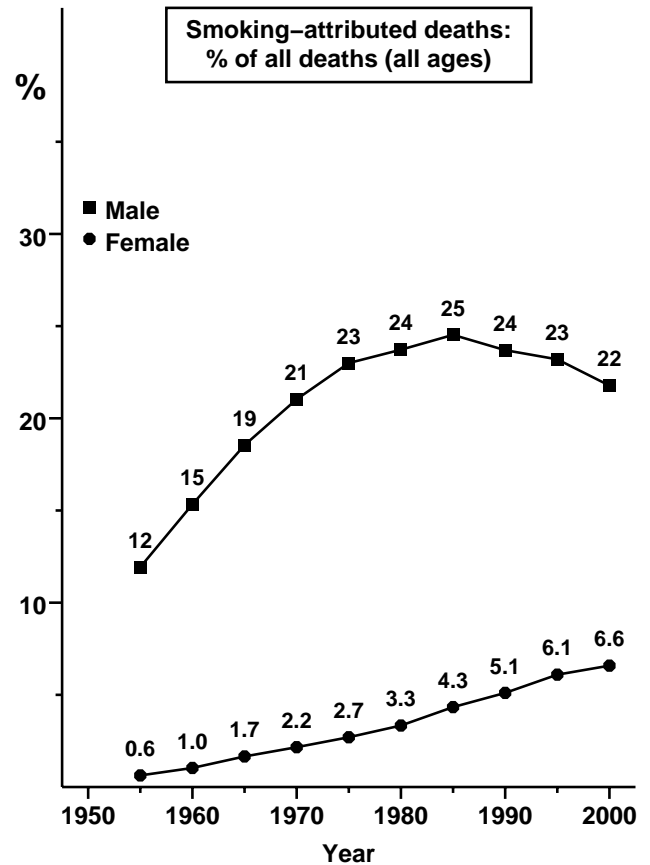
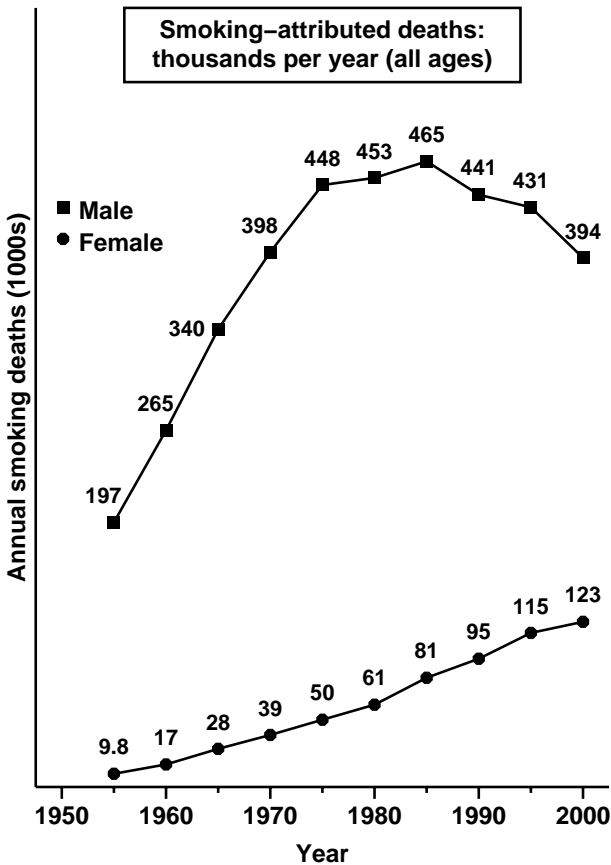
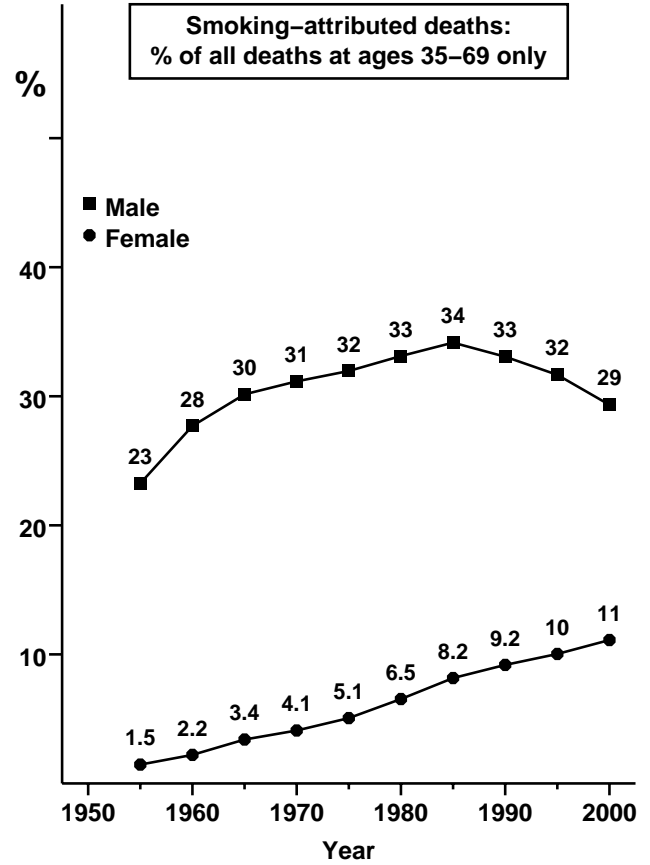
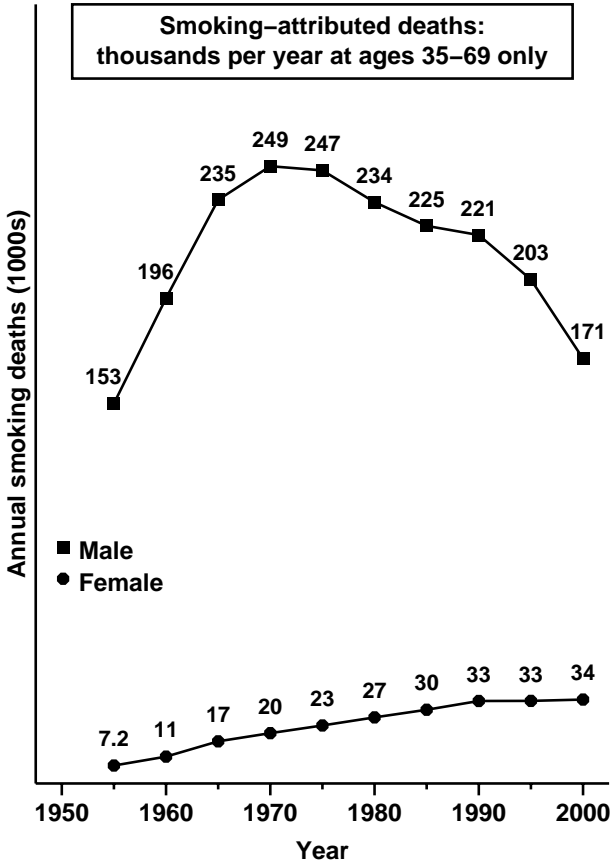
**50-year total\* (M=millions), mid-1950 to mid-2000: 22/ 181M**

**1950-2000 by age & sex:**

-/7.4M	11/35M	8.2/49M	19/92M	-/4.6M	1.1/22M	1.7/63M	2.8/89M
	<b>(30%)</b>	<b>(17%)</b>			<b>(5%)</b>	<b>(3%)</b>	

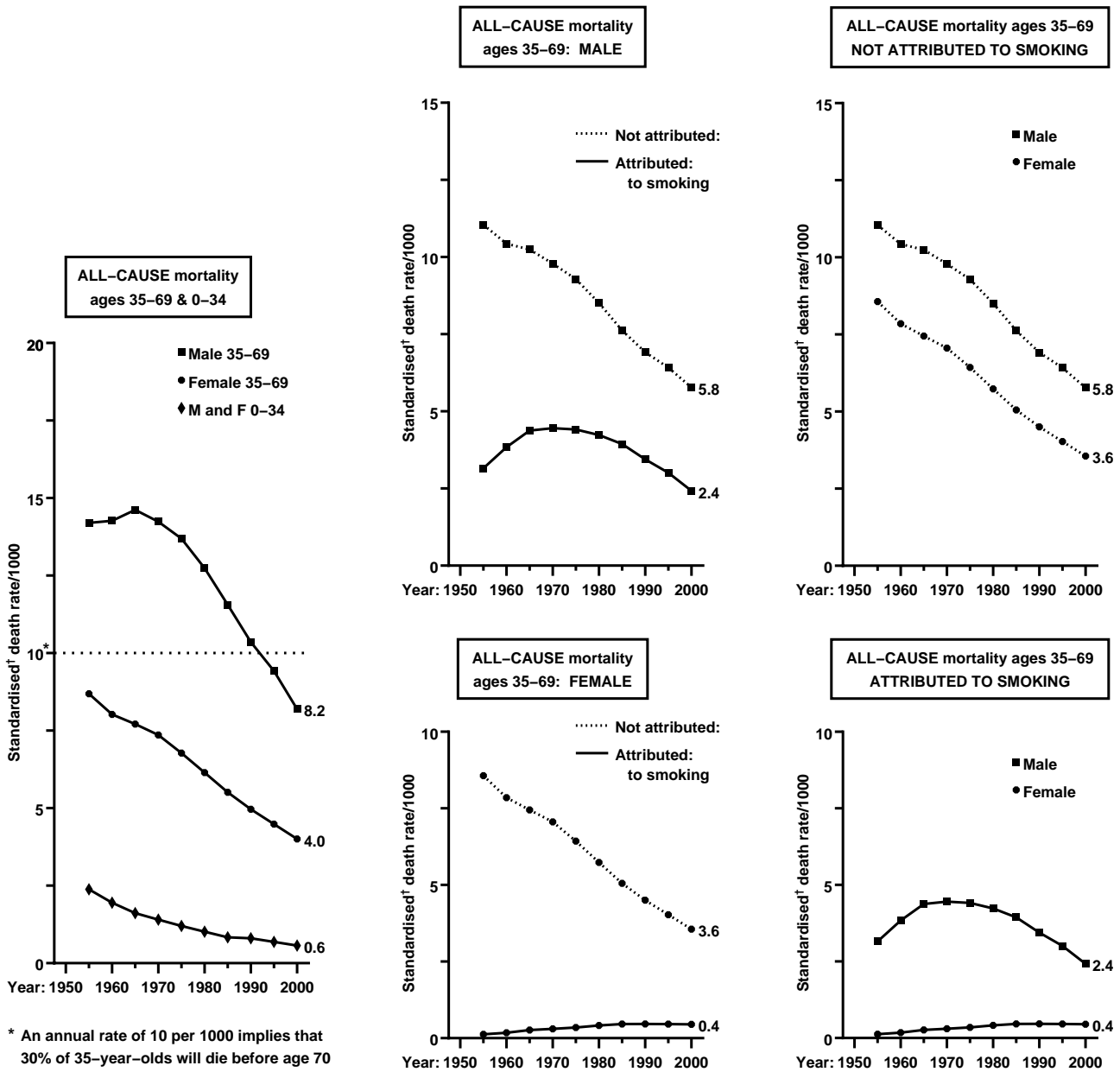
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: EU15 (European Union - 15 countries)



**EU15 (European Union - 15 countries): 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

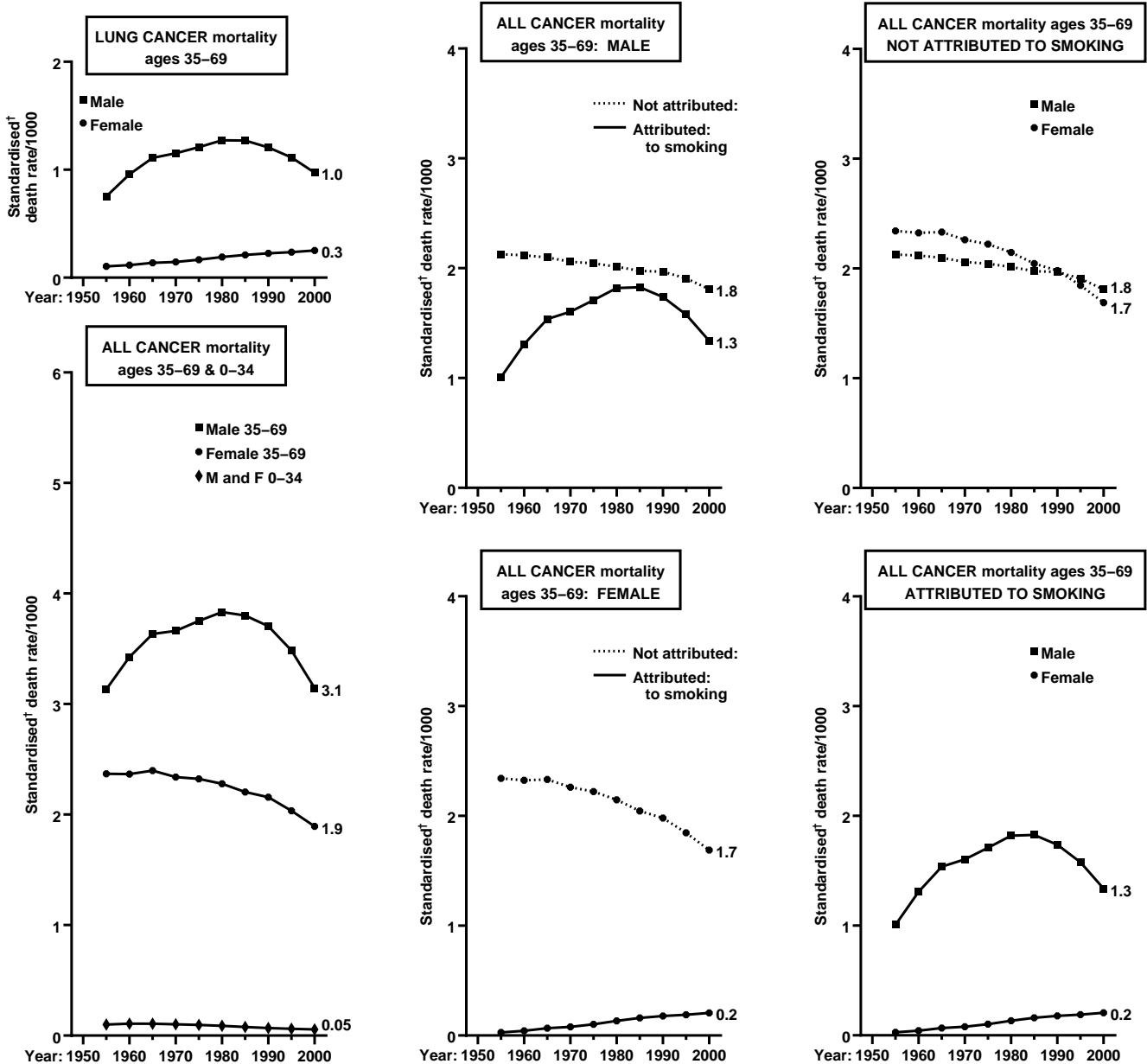
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	2.72	3.15	11.0	5.15	72.9	-	2.04	0.12	8.56	0.21	58.9	-	2.04	0.12	8.56	0.21	58.9
1960	-	2.29	3.84	10.4	7.60	69.0	-	1.61	0.17	7.85	0.39	55.1	-	1.61	0.17	7.85	0.39	55.1
1965	-	1.94	4.37	10.2	10.9	66.8	-	1.29	0.26	7.45	0.68	52.3	-	1.29	0.26	7.45	0.68	52.3
1970	-	1.72	4.45	9.78	14.1	63.3	-	1.08	0.30	7.06	0.91	49.5	-	1.08	0.30	7.06	0.91	49.5
1975	-	1.49	4.41	9.28	16.7	61.1	-	0.90	0.34	6.43	1.13	46.1	-	0.90	0.34	6.43	1.13	46.1
1980	-	1.29	4.23	8.51	15.6	54.3	-	0.74	0.41	5.73	1.28	39.5	-	0.74	0.41	5.73	1.28	39.5
1985	-	1.07	3.94	7.62	15.6	50.9	-	0.59	0.46	5.05	1.72	35.7	-	0.59	0.46	5.05	1.72	35.7
1990	-	1.07	3.44	6.91	13.4	44.2	-	0.53	0.46	4.50	1.94	30.7	-	0.53	0.46	4.50	1.94	30.7
1995	-	0.92	3.01	6.41	12.3	39.9	-	0.45	0.46	4.03	2.25	27.0	-	0.45	0.46	4.03	2.25	27.0
2000	-	0.75	2.42	5.77	10.5	36.2	-	0.38	0.45	3.55	2.12	23.6	-	0.38	0.45	3.55	2.12	23.6

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: EU15 (European Union - 15 countries)

ALL CANCER mortality rates attributed and not attributed to smoking



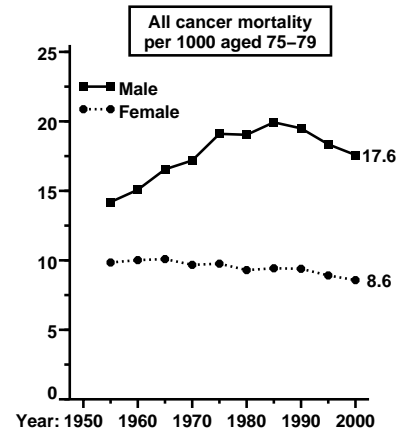
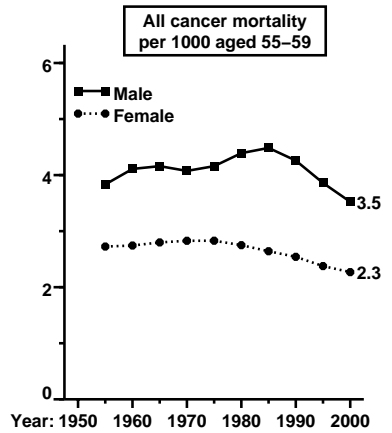
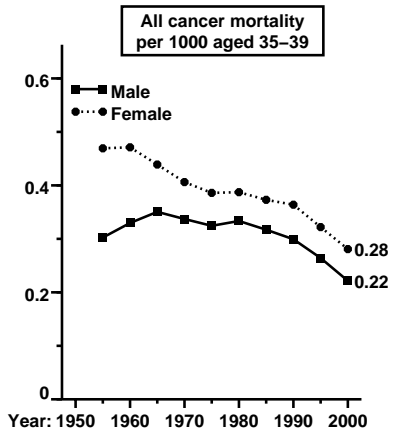
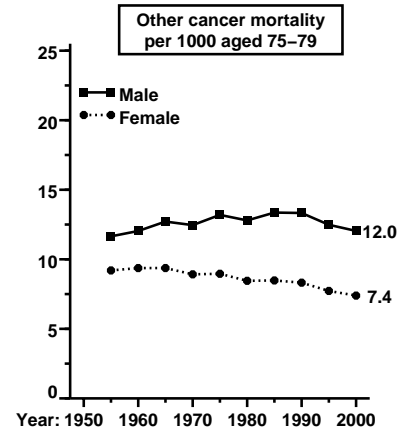
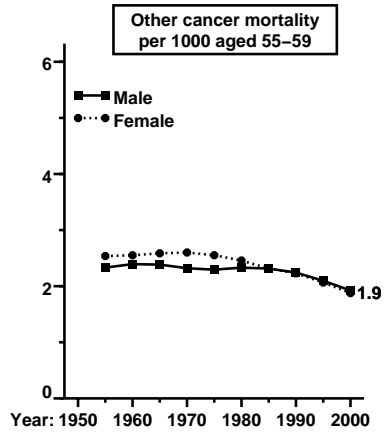
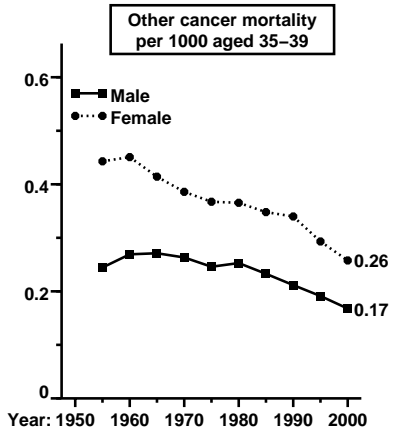
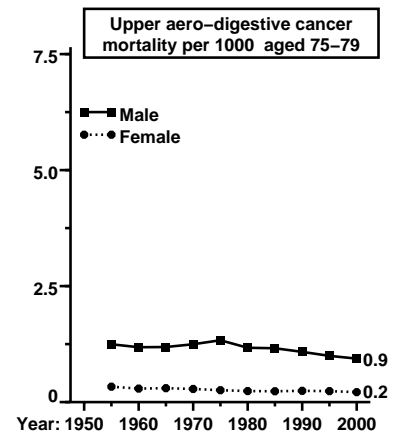
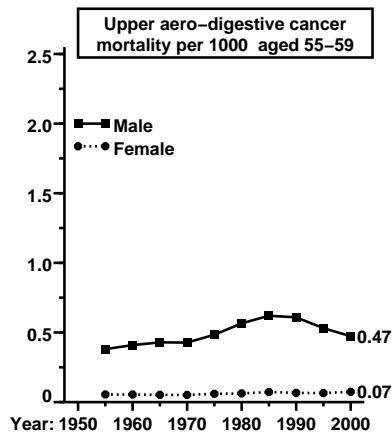
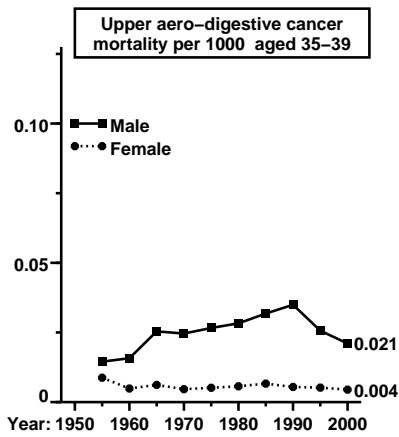
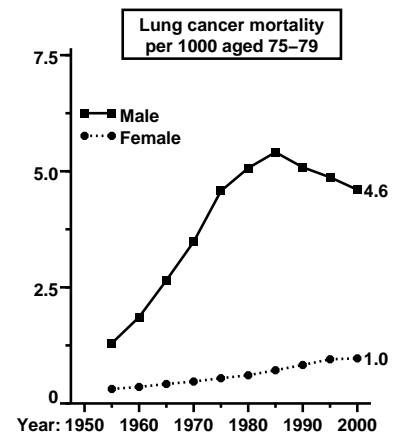
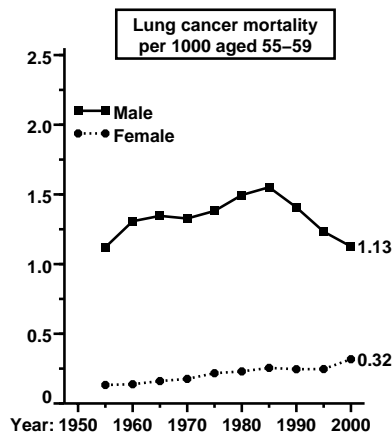
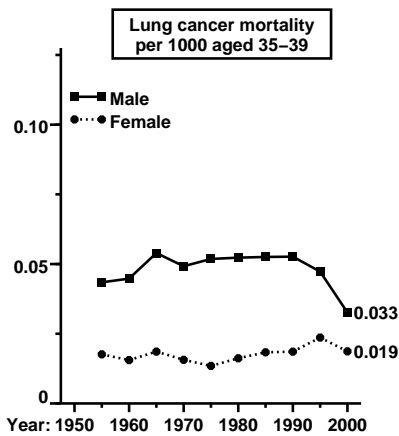
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	-	0.10	1.01	2.13	1.65	10.9	-	0.10	0.03	2.34	0.03	8.57	-	0.10	0.08	8.56
1960	-	0.11	1.31	2.12	2.52	10.9	-	0.10	0.04	2.32	0.14	8.68	-	0.10	0.08	8.20
1965	-	0.12	1.54	2.10	3.72	11.1	-	0.09	0.07	2.33	0.27	8.13	-	0.09	0.35	7.75
1970	-	0.11	1.60	2.06	4.84	10.7	-	0.09	0.08	2.26	0.50	7.73	-	0.08	0.63	7.37
1975	-	0.10	1.71	2.04	6.05	10.8	-	0.08	0.10	2.22	0.75	7.06	-	0.07	0.75	7.06
1980	-	0.09	1.82	2.01	6.43	10.4	-	0.06	0.13	2.15	0.77	6.64	-	0.06	0.77	6.64
1985	-	0.08	1.83	1.97	6.68	10.5	-	0.06	0.16	2.04			-	0.06		
1990	-	0.07	1.74	1.97	6.24	10.4	-	0.05	0.18	1.98			-	0.05		
1995	-	0.06	1.58	1.91	5.98	10.1	-	0.05	0.19	1.85			-	0.05		
2000	-	0.06	1.34	1.81	5.47	9.69	-	0.05	0.20	1.69			-	0.05		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**EU15 (European Union - 15 countries): 1955-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

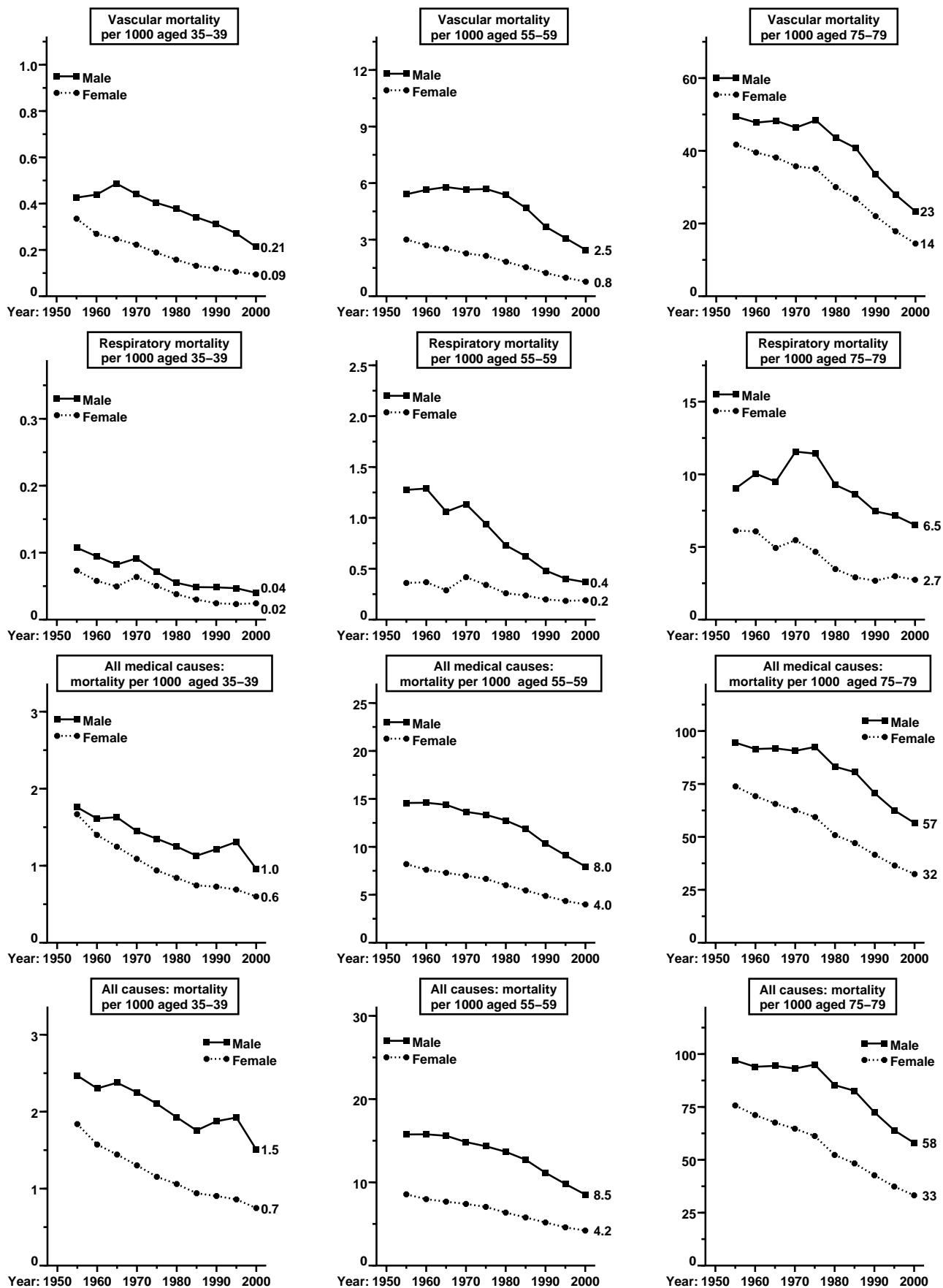


\* Annual mortality per 1000: 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000



1955-2000: EU15 (European Union - 15 countries)

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: 1955, 1960, 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

<b>EU10 (European Union - 10 countries*): 2000</b>
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		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
<b>ALL CAUSES</b>	M	406614	19620	195561	1291.8	110.0	1573.9	194.7	22.4	24.7	74.2	123.0	136.6	194.5
	F	371384	7956	92907	721.8	50.1	634.5	158.6	14.7	15.5	30.7	33.1	39.2	58.6
<b>Tuberculosis</b>	M	1865	67	1335	5.6	0.4	9.5	-	0.0	-	-	0.2	0.5	1.9
	F	612	28	251	1.3	0.2	1.6	-	-	-	-	0.1	0.4	0.5
<b>HIV</b>	M	119	46	73	0.3	0.3	0.4	-	-	-	-	0.1	0.6	1.1
	F	32	22	10	0.1	0.1	0.1	-	-	0.0	0.0	0.1	0.4	0.3
<b>Other infective and parasitic</b>	M	1060	198	522	3.4	1.3	4.1	5.9	0.4	0.3	0.3	0.4	1.0	0.9
	F	982	150	344	2.3	1.0	2.3	5.2	0.4	0.4	0.4	0.4	0.3	0.2
<b>ALL CANCER</b>	M	101976	1340	57036	317.5	7.2	481.1	4.5	4.2	3.8	6.6	6.7	9.7	14.9
	F	78747	1084	36477	165.1	6.1	245.8	4.1	3.0	2.9	3.5	5.3	8.3	15.9
<b>Mouth and pharynx cancer</b>	M	4290	20	3538	12.9	0.1	26.2	-	0.0	0.0	0.1	0.1	0.1	0.3
	F	864	5	497	1.9	0.0	3.2	-	-	-	0.1	0.0	0.0	0.0
<b>Oesophagus cancer</b>	M	2588	7	1888	8.0	0.0	14.9	-	-	-	-	0.0	0.1	0.2
	F	546	2	258	1.2	0.0	1.7	-	-	-	-	-	0.0	0.0
<b>Stomach cancer</b>	M	7854	65	4013	24.6	0.4	34.2	-	-	-	-	0.2	0.7	1.7
	F	5016	47	1781	10.0	0.3	12.1	-	-	-	0.1	0.1	0.5	1.1
<b>Colorectal cancer</b>	M	11643	45	5457	36.9	0.2	47.9	0.1	-	-	0.1	0.1	0.5	0.9
	F	10407	40	3688	20.7	0.2	25.8	-	-	-	0.0	0.3	0.3	0.9
<b>Liver cancer</b>	M	2571	26	1387	8.0	0.1	11.8	0.3	0.0	-	0.1	0.1	0.3	0.2
	F	2100	7	785	4.2	0.0	5.5	-	0.0	-	0.0	0.1	0.1	0.0
<b>Pancreas cancer</b>	M	4413	24	2642	13.6	0.1	21.7	-	-	-	-	0.1	0.1	0.8
	F	4234	9	1690	8.6	0.1	11.9	-	-	-	-	0.0	0.1	0.3
<b>Larynx cancer</b>	M	2761	2	2052	8.5	0.0	16.7	-	-	-	-	0.0	-	0.0
	F	266	-	167	0.6	-	1.1	-	-	-	-	-	-	-
<b>Lung cancer</b>	M	31582	38	19962	97.1	0.2	171.4	-	-	0.1	-	0.1	0.4	0.8
	F	8452	27	4727	18.3	0.1	31.7	-	-	-	0.1	0.1	0.3	0.5
<b>Malignant melanoma</b>	M	1008	42	611	3.1	0.2	4.7	0.1	0.0	-	0.0	0.2	0.5	0.8
	F	1021	31	539	2.2	0.2	3.5	0.1	-	0.0	0.0	0.3	0.2	0.6
<b>Female breast cancer</b>	F	11494	70	6570	25.3	0.4	43.1	-	-	-	-	0.1	0.3	2.5
<b>Cervix cancer</b>	F	3555	93	2392	8.2	0.5	14.8	-	-	-	-	0.2	1.1	2.5
<b>Other uterine cancer</b>	F	3049	10	1346	6.3	0.1	9.4	-	-	-	-	0.1	0.1	0.2
<b>Ovarian cancer</b>	F	4408	48	2638	9.8	0.3	17.6	-	0.0	0.0	0.2	0.2	0.5	0.9
<b>Prostate cancer</b>	M	7535	2	1910	25.0	0.0	18.2	-	-	-	0.1	-	-	-
<b>Bladder cancer</b>	M	3788	3	1547	12.2	0.0	14.0	-	0.0	-	-	-	0.0	0.0
	F	1130	4	316	2.2	0.0	2.2	-	-	-	-	-	-	0.2
<b>Other and ill-defined cancer sites</b>	M	16152	652	9095	49.9	3.5	75.0	2.9	2.5	2.0	3.4	3.3	4.6	6.0
	F	17054	411	6959	35.1	2.4	47.6	2.5	1.9	2.0	1.8	1.9	2.3	4.1
<b>Hodgkin's disease</b>	M	386	67	225	1.1	0.3	1.7	-	-	0.0	0.3	0.5	0.7	0.8
	F	315	53	142	0.7	0.3	0.9	0.1	-	0.1	0.2	0.5	0.6	0.5
<b>Myeloma and non-Hodgkin lymphomas</b>	M	2601	91	1416	8.0	0.5	11.8	0.2	0.3	0.5	0.5	0.5	0.6	0.9
	F	2447	59	1046	5.0	0.3	7.3	0.2	0.2	0.0	0.2	0.6	0.7	0.4
<b>Leukaemia</b>	M	2804	256	1293	8.7	1.4	10.9	1.0	1.3	1.2	2.1	1.5	1.1	1.5
	F	2389	168	936	5.0	1.0	6.4	1.3	0.8	0.7	0.9	0.8	1.2	1.2
<b>Diabetes</b>	M	4290	65	2052	13.4	0.4	17.2	-	0.0	0.0	-	0.2	0.8	1.4
	F	6549	41	1850	12.5	0.2	13.3	0.1	0.0	0.0	0.1	0.1	0.4	0.8
<b>ALL VASCULAR DISEASE</b>	M	181058	1215	71924	594.7	6.6	608.9	2.4	0.8	1.3	2.8	6.4	10.1	22.2
	F	208748	450	32332	382.5	2.6	229.7	2.4	0.4	0.7	1.4	2.1	3.9	7.1
<b>Rheumatic heart disease and fever</b>	M	1094	28	657	3.4	0.2	5.4	0.1	0.0	-	-	0.1	0.4	0.5
	F	1577	9	676	3.2	0.0	4.8	-	-	0.1	0.0	0.0	0.1	0.0
<b>Hypertensive disease</b>	M	6175	23	2788	19.9	0.1	23.8	-	0.0	-	0.0	0.1	0.2	0.4
	F	9013	5	1770	16.7	0.0	12.6	-	-	-	-	-	0.0	0.2
<b>Ischaemic heart disease</b>	M	79705	266	35859	258.3	1.5	301.9	-	-	-	0.1	0.8	2.2	7.1
	F	76491	53	12690	140.4	0.3	91.1	-	-	0.0	-	0.1	0.6	1.4
<b>Pulmonary embolism and other venous</b>	M	3472	59	1653	11.0	0.3	13.8	-	0.1	-	0.2	0.4	0.6	1.0
	F	4209	41	1187	8.1	0.2	8.2	0.1	0.0	-	0.1	0.1	0.5	0.7
<b>Cerebrovascular disease</b>	M	41833	264	14791	137.9	1.4	128.3	0.5	0.3	0.5	0.5	1.6	2.1	4.5
	F	57338	128	9335	105.1	0.7	65.9	0.4	0.0	0.3	0.3	0.6	1.2	2.2
<b>Other vascular disease</b>	M	48779	575	16176	164.3	3.1	135.6	1.8	0.3	0.8	2.0	3.6	4.6	8.6
	F	60120	214	6674	109.0	1.2	47.1	1.9	0.4	0.3	0.9	1.2	1.5	2.6
<b>Chronic obstructive pulmonary disease</b>	M	10948	60	3928	35.5	0.3	35.7	0.3	0.0	0.1	0.4	0.4	0.2	0.9
	F	5568	31	1505	10.7	0.2	10.7	0.1	0.0	0.0	0.1	0.2	0.3	0.4
<b>Other respiratory disease</b>	M	9856	446	3486	32.8	2.7	27.9	9.7	0.8	0.4	1.3	1.7	2.0	3.4
	F	9828	265	1525	18.6	1.7	10.5	6.6	0.6	0.6	0.8	0.8	1.1	1.6
<b>Peptic ulcer</b>	M	2178	29	1208	6.9	0.2	9.5	-	0.0	0.0	0.1	0.1	0.2	0.6
	F	1726	10	404	3.3	0.1	2.7	-	-	-	-	0.1	0.0	0.3
<b>Liver cirrhosis</b>	M	12091	301	10146	35.6	1.7	72.8	0.2	-	0.0	0.2	0.5	2.2	8.7
	F	4838	90	3537	11.5	0.5	22.6	0.1	-	0.1	0.1	0.2	0.7	2.6
<b>Renal disease</b>	M	3457	56	1368	11.4	0.3	11.4	0.5	-	0.0	0.2	0.2	0.5	0.8
	F	3795	68	1037	7.3	0.4	7.3	0.4	0.1	0.0	0.3	0.4	0.7	0.8
<b>Pregnancy, birth</b>	F	61	43	18	0.2	0.2	0.1	-	-	-	0.1	0.3	0.5	0.7
<b>Congenital and perinatal causes</b>	M	2919	2775	127	11.7	20.3	0.8	135.3	1.8	1.2	1.0	1.0	1.0	0.8
	F	2343	2203	109	9.8	17.0	0.7	113.5	1.5	1.2	1.0	0.6	0.5	0.8
<b>Ill-defined causes</b>	M	15784	927	8201	50.9	5.1	59.6	7.1	0.4	0.6	2.7	5.9	7.0	12.3
	F	14686	309	2182	27.8	2.0	14.3	6.5	0.4	0.4	1.3	1.0	1.9	2.2
<b>Other medical causes</b>	M	17083	1230	9161	53.0	7.0	68.9	11.3	2.9	3.1	4.6	5.1	7.9	13.8
	F	16579	769	5254	33.5	4.6	35.3	8.7	3.1	2.8	3.5	3.8	4.1	5.9
<b>ALL NON-MEDICAL CAUSES</b>	M	41930	10865	24994	119.3	56.3	166.1	17.6	10.8	13.6	54.1	94.2	92.8	110.9
	F	16290	2393	6072	35.6	13.2	37.6	11.0	5.2	6.3	17.9	17.4	15.8	18.7
<b>Road traffic accidents</b>	M	8792	3557	4433	24.0	18.1	29.2	3.1	4.2	4.6	21.6	35.4	29.7	28.0
	F	2650	917	1139	6.3	4.9	7.1	1.9	2.6	2.6	8.9	7.8	5.6	4.9
<b>Fire</b>	M	899	126	623	2.6	0.7	4.3	0.9	0.5	0.2	0.3	0.6	0.6	1.9
	F	342	37	155	0.8	0.2	1.0	0.6	0.4	0.1	0.0	0.1	0.2	0.3
<b>Suicide</b>	M	11922	2954	7663	33.3	15.1	49.7	-	0.1	2.4	13.5	26.9	27.6	35.2
	F	2981	472	1808	7.0	2.5	11.0	-	-	0.7	3.6	3.6	4.2	5.3
<b>Homicide</b>	M	1567	467	995	4.4	2.5	6.3	1.5	0.3	0.2	1.5	2.9	4.7	6.3
	F	621	169	349	1.6	1.0	2.0	1.4	0.1	0.3	0.9	1.1	1.2	1.7
<b></b>														

## 2000: EU10 (European Union - 10 countries)

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
297.1	508.1	793.6	1189.8	1757.8	2636.8	3834.4	5551.9	8133.1	16040.7	M	ALL CAUSES	001-999/A00-Y89
103.0	181.9	307.3	455.3	683.4	1025.0	1685.9	2856.2	5101.8	13749.7	F		
3.7	6.2	8.2	10.5	11.2	14.3	12.4	17.5	17.9	32.1	M	Tuberculosis	010-018, 137/
1.0	1.2	1.4	1.1	1.6	2.4	2.3	4.6	8.6	12.5	F		A15-A19, B90
1.1	0.6	0.5	0.3	0.2	0.1	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.1	0.1	0.1	-	-	-	-	-	-	-	F		
0.7	1.7	2.3	3.4	4.4	7.9	8.4	12.7	13.9	22.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.4	1.1	1.1	1.6	3.0	3.8	5.1	7.9	10.8	18.7	F		
28.5	79.3	181.6	340.3	568.8	902.3	1267.1	1661.9	2053.0	2449.2	M	ALL CANCER	140-208/C00-C97
34.9	75.8	137.2	211.3	297.8	399.4	564.3	741.6	1003.2	1358.3	F		
2.2	9.4	21.8	33.8	39.7	40.8	36.1	30.5	33.2	37.0	M	Mouth and pharynx cancer	140-149/C00-C14
0.2	1.7	2.8	3.6	5.2	4.3	4.6	5.3	8.4	14.3	F		
0.6	3.2	8.4	15.9	23.4	26.6	26.4	30.6	27.9	36.3	M	Oesophagus cancer	150/C15
0.1	0.5	1.3	1.5	2.5	3.0	3.2	4.4	6.4	11.2	F		
2.3	6.0	11.4	22.4	38.5	63.1	95.5	138.6	184.5	214.5	M	Stomach cancer	151/C16
1.6	4.2	6.2	8.3	11.5	19.1	34.1	52.4	73.0	118.4	F		
2.1	5.2	12.6	26.7	53.2	88.4	146.8	207.8	300.2	389.1	M	Colorectal cancer	153, 154/C18-C21
2.2	4.8	8.8	16.9	30.4	47.0	70.2	105.2	158.0	248.8	F		
0.6	2.2	3.7	8.0	13.1	23.4	31.9	42.9	59.8	60.1	M	Liver cancer	155.0/C22 excl C221
0.5	0.9	2.2	4.0	6.1	9.7	14.9	23.3	31.4	43.9	F		
1.7	4.6	9.6	17.4	27.3	39.8	51.8	70.2	84.3	86.9	M	Pancreas cancer	157/C25
0.5	1.5	4.2	7.8	15.2	21.8	32.0	45.3	63.6	82.0	F		
0.6	3.2	8.3	15.2	23.1	31.4	34.8	32.4	32.2	28.9	M	Larynx cancer	161/C32
0.1	0.5	0.6	1.4	1.9	1.5	1.7	2.5	1.9	2.9	F		
4.8	19.8	55.4	115.0	204.3	337.8	462.9	543.0	533.5	435.4	M	Lung cancer	162/C33, C34
3.0	8.0	19.5	30.9	40.5	51.8	68.6	80.4	93.1	97.3	F		
1.4	1.8	3.2	3.8	5.7	7.4	9.7	14.2	14.2	22.1	M	Malignant melanoma	172/C43
1.1	2.2	2.4	3.8	4.0	4.7	6.0	8.3	10.2	15.4	F		
7.2	15.7	31.7	45.5	57.7	64.5	79.4	85.8	118.0	162.9	F	Female breast cancer	174/C50
6.3	11.6	15.4	15.5	15.5	18.8	20.8	23.3	26.3	28.8	F	Cervix cancer	180/C53
0.6	1.9	3.3	5.9	11.9	16.2	26.1	34.1	44.1	46.9	F	Other uterine cancer	179, 182/C54, C55
2.4	5.3	10.8	17.4	23.1	29.1	35.2	39.0	41.2	45.4	F	Ovarian cancer	183/C56, C570-C574
0.1	0.3	1.1	4.2	15.0	33.9	72.8	144.3	265.9	474.7	M	Prostate cancer	185/C61
0.3	0.9	2.6	6.1	13.2	28.5	46.3	72.7	105.8	154.0	M	Bladder cancer	188/C67
7.1	0.3	0.9	1.3	2.5	3.8	6.7	10.8	19.2	33.2	F		
0.8	16.5	33.7	57.1	86.9	135.7	187.0	246.1	295.7	364.0	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
6.4	12.9	21.4	37.3	53.9	79.9	121.3	168.5	237.7	326.2	F		
0.8	1.0	1.2	1.3	2.0	2.6	2.8	3.8	4.6	4.5	M	Hodgkin's disease	201/C81
0.2	0.3	0.6	1.0	0.9	1.5	1.9	2.6	3.1	3.1	F		
1.3	2.5	4.5	8.3	12.6	23.6	29.9	41.4	54.3	58.0	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C90, C96
1.1	1.4	2.4	5.0	7.8	13.3	20.0	28.5	36.5	33.2	F		
1.9	2.7	4.3	5.2	10.9	19.2	32.4	43.5	56.8	83.9	M	Leukaemia	204-208/C91-C95
1.3	2.3	2.7	4.1	7.2	9.6	17.6	21.9	31.1	44.6	F		
1.9	3.7	7.1	11.3	18.3	30.8	47.2	76.6	106.7	130.0	M	Diabetes	250/E10-E14
1.2	1.4	2.5	5.6	12.5	24.1	46.1	75.5	114.0	165.8	F		
50.9	119.2	228.0	397.4	647.5	1072.6	1746.8	2770.1	4443.3	10074.1	M	ALL VASCULAR DISEASE	390-459/I00-I99
16.6	34.4	65.4	116.3	208.3	391.2	775.7	1565.4	3136.7	9604.5	F		
0.7	1.5	2.0	4.2	6.6	8.8	14.1	16.8	18.6	21.2	M	Rheumatic heart disease and fever	390-398/I00-I09
0.2	0.7	1.3	2.7	6.1	9.4	13.0	17.9	23.4	24.6	F		
1.5	3.6	8.5	15.2	26.0	44.5	67.6	94.5	153.0	274.2	M	Hypertensive disease	401-405/I10-I15
0.4	1.4	2.9	7.4	12.3	21.8	42.2	76.2	148.9	353.6	F		
21.4	58.9	116.2	209.3	340.9	537.2	829.6	1236.7	1823.7	3754.8	M	Ischaemic heart disease	410-414/I20-I25
4.7	10.5	22.0	39.8	79.9	162.6	318.0	618.8	1165.3	3366.5	F		
1.8	3.2	5.6	9.5	14.2	22.9	39.5	54.2	83.5	127.4	M	Pulmonary embolism and other venous	415.1, 451-453/I26, I80-I82
1.1	1.7	3.5	5.0	9.1	13.6	23.7	40.5	69.9	121.6	F		
9.0	19.7	41.0	71.1	126.3	227.9	403.1	684.2	1157.7	2426.1	M	Cerebrovascular disease	430-438/I60-I69
5.4	11.1	20.5	36.8	59.3	107.2	221.3	461.4	945.4	2450.6	F		
16.5	32.3	54.8	88.1	133.4	231.4	392.9	683.7	1206.9	3470.4	M	Other vascular disease	Rest of 390-459/rest of I00-I99
4.8	9.0	15.2	24.6	41.6	76.6	157.5	350.6	783.8	3287.6	F		
1.1	3.1	6.4	13.8	32.8	69.5	122.9	210.8	325.0	519.7	M	Chronic obstructive pulmonary disease	490-496/J40-J47, J67
1.1	1.1	3.1	6.2	11.6	16.9	34.7	52.4	86.3	177.8	F		
5.8	10.9	15.0	18.6	30.1	44.1	71.2	126.3	232.1	629.3	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
2.3	3.4	4.6	6.4	10.9	16.2	29.4	54.3	127.9	483.1	F		
1.1	3.8	5.7	8.6	10.3	15.9	20.9	28.0	40.6	76.2	M	Peptic ulcer	531-533/K25-K27
0.4	0.8	1.3	2.6	2.4	3.6	8.0	14.2	26.7	63.8	F		
21.8	46.0	64.2	77.8	101.0	101.8	97.1	80.7	75.3	54.2	M	Liver cirrhosis	571/K70, K74
6.1	12.4	19.5	23.8	33.3	33.3	30.1	30.2	29.8	26.7	F		
1.7	2.7	5.0	7.8	11.8	18.7	31.8	49.4	82.6	197.7	M	Renal disease	580-590/N00-N19
1.0	1.4	2.6	4.3	6.5	11.8	23.2	34.6	61.7	114.4	F		
0.6	0.1	0.0	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.7	1.0	1.0	0.8	0.6	0.7	0.9	0.6	1.0	0.6	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.7	0.6	0.8	0.6	0.8	0.4	0.7	0.8	0.6	0.8	F		
21.9	36.1	49.5	61.0	64.6	84.4	99.7	128.5	199.6	827.2	M	Ill-defined causes	780-799/R00-R99
3.7	6.8	10.2	12.1	15.3	22.4	29.9	59.6	124.8	849.1	F		
22.8	37.4	47.2	62.0	78.3	99.0	135.5	200.5	296.7	528.0	M	Other medical causes	Rest of 001-799/rest of A00-R99
7.6	12.1	20.7	27.9	38.9	54.7	85.1	140.5	233.1	452.2	F		
133.4	156.5	171.8	176.2	177.9	174.7	172.3	188.2	245.2	499.5	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
25.2	29.2	36.8	35.6	40.3	45.0	51.3	74.5	137.6	421.8	F		
28.8	27.3	29.4	31.0	29.0	29.1	30.1	30.9	37.6	44.6	M	Road traffic accidents	E810-E819, E826-E829/part of V01-V99, Y850
5.5	5.6	6.2	6.3	7.5	9.0	9.4	11.3	16.1	16.8	F		
2.1	3.6	4.2	4.8	4.7	5.0	5.5	5.5	6.5	9.8	M	Fire	E890-E899/X00-X09
0.6	0.5	0.8	0.9	1.3	1.4	1.4	1.8	3.3	6.7	F		
42.2	52.2	56.2	54.2	55.1	44.7	43.3	48.4	56.5	83.7	M	Suicide	E950-E959/X60-X84
8.5	9.2	13.7	9.6	11.1	12.3	12.3	14.2	15.6	22.5	F		
6.7	7.0	7.5	6.6	6.7	4.7	5.1	4.0	3.6	7.9	M	Homicide	E960-E969/
2.4	2.4	2.2	2.4	1.6	1.9	1.5	1.6	2.1	4.3	F		X85-X99, Y00-Y09
2536	2865	2855	2371	1691	1536	1366	1079	689	471	M	POPULATION	
2507	2888	2952	2544	1942	1923	1864	1713	1320	1122	F	(1000s; UN, 2004 revision)	

<b>EU10 (European Union - 10 countries): 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	26054	1629	58	41	1530	73	618	1695	436	8163	13440
35-69	Sm.	87308	34106	21013	5829	7264	3816	1564	35988	-	11834	-
	Total	221818	59523	21991	7580	29952	4468	3737	87528	10513	26487	29562
		(39%)	(57%)	(96%)	(77%)	(24%)	(85%)	(42%)	(41%)		(45%)	
70+	Sm.	37494	13842	9010	1262	3570	4894	628	15635	-	2495	-
	Total	189539	36785	9794	2022	24969	6549	4854	114482	1675	18932	6262
		(20%)	(38%)	(92%)	(62%)	(14%)	(75%)	(13%)	(14%)		(13%)	
Any age	Sm.	124802	47948	30023	7091	10834	8710	2192	51623	-	14329	-
	Total	437411	97937	31843	9643	56451	11090	9209	203705	12624	53582	49264
		(29%)	(49%)	(94%)	(74%)	(19%)	(79%)	(24%)	(25%)		(27%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	19620	1340	38	29	1273	60	446	1215	301	5393	10865
35-69	Sm.	72921	31060	18970	5561	6529	3304	1338	27491	-	9728	-
	Total	195561	57036	19962	7478	29596	3928	3486	71924	10146	24047	24994
		(37%)	(54%)	(95%)	(74%)	(22%)	(84%)	(38%)	(38%)		(40%)	
70+	Sm.	40182	16351	10668	1350	4333	5246	792	15030	-	2763	-
	Total	191433	43600	11582	2132	29886	6960	5924	107919	1644	19315	6071
		(21%)	(38%)	(92%)	(63%)	(14%)	(75%)	(13%)	(14%)		(14%)	
Any age	Sm.	113103	47411	29638	6911	10862	8550	2130	42521	-	12491	-
	Total	406614	101976	31582	9639	60755	10948	9856	181058	12091	48755	41930
		(28%)	(46%)	(94%)	(72%)	(18%)	(78%)	(22%)	(23%)		(26%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	36102	19179	14954	2936	2962	2500	1833	1725	1620	1377	984	450	536
2000	35859	18401	15220	2536	2865	2855	2371	1691	1536	1366	1079	689	471
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	437411	26054	221818	11682	18519	23277	26549	35701	48070	58020	60034	39576	89929
2000	406614	19620	195561	7534	14555	22652	28215	29731	40503	52371	59880	56027	75526
<b>Lung cancer</b>													
1995	31843	58	21991	211	753	1523	2541	4292	5964	6707	5315	2270	2209
2000	31582	38	19962	121	567	1580	2726	3456	5189	6323	5857	3675	2050
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1446.6*	142.4*	1807.5*	397.8	625.1	931.0	1448.3	2069.7	2967.6	4212.7	6100.6	8802.5	16788.1
2000	1291.8*	110.0*	1573.9*	297.1	508.1	793.6	1189.8	1757.8	2636.8	3834.4	5551.9	8133.1	16040.7
<b>All cancer</b>													
1995	322.4*	8.6*	509.3*	36.4	92.7	195.9	383.4	622.5	935.3	1299.1	1645.6	1924.4	2228.8
2000	317.5*	7.2*	481.1*	28.5	79.3	181.6	340.3	568.8	902.3	1267.1	1661.9	2053.0	2449.2
<b>Lung cancer</b>													
1995	103.8*	0.3*	190.9*	7.2	25.4	60.9	138.6	248.8	368.2	487.0	540.1	504.9	412.4
2000	97.1*	0.2*	171.4*	4.8	19.8	55.4	115.0	204.3	337.8	462.9	543.0	533.5	435.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	31.3*	0.2*	61.0*	4.9	18.4	40.8	73.8	86.0	98.9	104.0	98.2	105.6	108.5
2000	29.4*	0.2*	57.8*	3.4	15.7	38.5	64.9	86.1	98.9	97.3	93.5	93.3	102.2
<b>Other cancer</b>													
1995	187.4*	8.1*	257.5*	24.3	48.9	94.2	171.0	287.7	468.3	708.1	1007.3	1313.8	1708.0
2000	191.1*	6.9*	251.9*	20.3	43.8	87.8	160.5	278.3	465.6	706.9	1025.4	1426.2	1911.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	37.9*	0.4*	40.5*	1.6	3.4	7.8	17.9	37.3	77.1	138.4	222.0	320.1	546.0
2000	35.5*	0.3*	35.7*	1.1	3.1	6.4	13.8	32.8	69.5	122.9	210.8	325.0	519.7
<b>Other respiratory disease</b>													
1995	31.1*	3.5*	30.1*	7.0	12.8	16.7	24.7	31.8	45.3	72.5	122.8	201.1	511.9
2000	32.8*	2.7*	27.9*	5.8	10.9	15.0	18.6	30.1	44.1	71.2	126.3	232.1	629.3
<b>Vascular disease</b>													
1995	696.5*	9.3*	748.2*	78.8	161.0	287.8	505.8	819.6	1331.0	2053.2	3324.2	5198.2	10902.0
2000	594.7*	6.6*	608.9*	50.9	119.2	228.0	397.4	647.5	1072.6	1746.8	2770.1	4443.3	10074.1
<b>Liver cirrhosis</b>													
1995	39.1*	2.4*	77.6*	28.4	49.0	68.7	95.6	100.3	103.1	98.3	92.7	85.9	70.4
2000	35.6*	1.7*	72.8*	21.8	46.0	64.2	77.8	101.0	101.8	97.1	80.7	75.3	54.2
<b>Other medical causes</b>													
1995	175.3*	47.3*	201.2*	77.9	114.5	150.7	187.2	235.8	286.0	356.4	484.6	802.3	1970.6
2000	156.4*	35.2*	181.3*	55.6	93.0	126.6	165.7	199.7	271.8	357.0	513.8	759.1	1814.6
<b>All non-medical causes</b>													
1995	144.2*	71.0*	200.5*	167.6	191.8	203.4	233.6	222.4	189.7	194.7	208.7	270.7	558.4
2000	119.3*	56.3*	166.1*	133.4	156.5	171.8	176.2	177.9	174.7	172.3	188.2	245.2	499.5

<b>1995, 2000: EU10 (European Union - 10 countries)</b>
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### Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	11239	1366	33	13	1320	57	437	657	133	5606	2983
35-69	Sm.	11724	3794	2869	316	609	794	175	5269	-	1692	-
	Total	106904	37158	4181	844	32133	1491	1546	42486	3915	13202	7106
		(11%)	(10%)	(69%)	(37%)	(2%)	(53%)	(11%)	(12%)		(13%)	
70+	Sm.	11487	2440	1809	210	421	1742	184	6015	-	1106	-
	Total	274960	35914	2994	766	32154	3826	6273	184103	1246	34024	9574
		(4%)	(7%)	(60%)	(27%)	(1%)	(46%)	(3%)	(3%)		(3%)	
Any age	Sm.	23211	6234	4678	526	1030	2536	359	11284	-	2798	-
	Total	393103	74438	7208	1623	65607	5374	8256	227246	5294	52832	19663
		(6%)	(8%)	(65%)	(32%)	(2%)	(47%)	(4%)	(5%)		(5%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	7956	1084	27	7	1050	31	265	450	90	3643	2393
35-69	Sm.	11810	4472	3393	398	681	857	201	4547	-	1733	-
	Total	92907	36477	4727	922	30828	1505	1525	32332	3537	11459	6072
		(13%)	(12%)	(72%)	(43%)	(2%)	(57%)	(13%)	(14%)		(15%)	
70+	Sm.	13156	3098	2316	231	551	1919	275	6604	-	1260	-
	Total	270521	41186	3698	747	36741	4032	8038	175966	1211	32263	7825
		(5%)	(8%)	(63%)	(31%)	(1%)	(48%)	(3%)	(4%)		(4%)	
Any age	Sm.	24966	7570	5709	629	1232	2776	476	11151	-	2993	-
	Total	371384	78747	8452	1676	68619	5568	9828	208748	4838	47365	16290
		(7%)	(10%)	(68%)	(38%)	(2%)	(50%)	(5%)	(5%)		(6%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

### Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	38581	18417	16460	2918	2996	2595	2002	2011	2003	1935	1629	825	1251
2000	38431	17654	16622	2507	2888	2952	2544	1942	1923	1864	1713	1320	1122
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	393103	11239	106904	3840	6556	8881	10341	15430	24181	37675	53498	46091	175371
2000	371384	7956	92907	2582	5254	9072	11586	13270	19714	31429	48939	67346	154236
<b>Lung cancer</b>													
1995	7208	33	4181	84	247	431	526	642	1028	1223	1244	671	1079
2000	8452	27	4727	74	230	577	785	786	997	1278	1378	1229	1091
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	794.0*	65.5*	732.9*	131.6	218.9	342.2	516.5	767.3	1207.1	1946.9	3283.8	5589.2	14024.1
2000	721.8*	50.1*	634.5*	103.0	181.9	307.3	455.3	683.4	1025.0	1685.9	2856.2	5101.8	13749.7
<b>All cancer</b>													
1995	166.1*	7.6*	253.0*	42.5	83.1	142.5	215.1	289.1	421.6	577.1	761.3	961.4	1246.2
2000	165.1*	6.1*	245.8*	34.9	75.8	137.2	211.3	297.8	399.4	564.3	741.6	1003.2	1358.3
<b>Lung cancer</b>													
1995	16.5*	0.2*	28.6*	2.9	8.2	16.6	26.3	31.9	51.3	63.2	76.4	81.4	86.3
2000	18.3*	0.1*	31.7*	3.0	8.0	19.5	30.9	40.5	51.8	68.6	80.4	93.1	97.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.6*	0.1*	5.7*	0.9	2.2	3.7	5.7	6.9	9.3	11.0	13.3	19.2	31.3
2000	3.7*	0.0*	6.0*	0.4	2.7	4.7	6.6	9.5	8.7	9.5	12.1	16.7	28.3
<b>Other cancer</b>													
1995	145.9*	7.4*	218.7*	38.7	72.6	122.2	183.0	250.2	360.9	502.8	671.6	860.9	1128.7
2000	143.1*	6.0*	208.1*	31.6	65.2	113.0	173.9	247.8	338.8	486.2	649.1	893.3	1232.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	10.7*	0.3*	10.5*	1.1	1.4	3.2	5.7	10.5	20.0	31.3	55.1	82.7	179.6
2000	10.7*	0.2*	10.7*	1.1	1.1	3.1	6.2	11.6	16.9	34.7	52.4	86.3	177.8
<b>Other respiratory disease</b>													
1995	16.3*	2.6*	10.4*	3.1	4.5	5.0	7.1	10.1	15.4	27.7	58.3	113.3	351.1
2000	18.6*	1.7*	10.5*	2.3	3.4	4.6	6.4	10.9	16.2	29.4	54.3	127.9	483.1
<b>Vascular disease</b>													
1995	432.2*	3.7*	299.4*	22.7	44.4	88.0	150.5	276.5	515.8	997.6	1931.4	3622.4	9817.3
2000	382.5*	2.6*	229.7*	16.6	34.4	65.4	116.3	208.3	391.2	775.7	1565.4	3136.7	9604.5
<b>Liver cirrhosis</b>													
1995	13.2*	0.8*	25.6*	8.7	14.6	20.3	32.5	33.2	35.6	34.3	34.4	33.6	32.7
2000	11.5*	0.5*	22.6*	6.1	12.4	19.5	23.8	33.3	33.3	30.1	30.2	29.8	26.7
<b>Other medical causes</b>													
1995	111.9*	34.3*	89.4*	22.6	33.5	44.2	60.6	99.3	147.6	218.3	344.7	602.4	1874.5
2000	98.0*	25.7*	77.6*	16.8	25.6	40.6	55.8	81.1	123.0	200.5	337.7	580.4	1677.3
<b>All non-medical causes</b>													
1995	43.6*	16.3*	44.6*	31.1	37.3	38.9	44.9	48.6	51.2	60.6	98.7	173.4	522.7
2000	35.6*	13.2*	37.6*	25.2	29.2	36.8	35.6	40.3	45.0	51.3	74.5	137.6	421.8

<b>EU10 (European Union - 10 countries): 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 20	– / 8.0	–
35–69	73 / 196	12 / 93	21 years
70+	40 / 191	13 / 271	8 years
<b>All ages</b>	<b>113 / 407</b>	<b>25 / 371</b>	<b>16 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

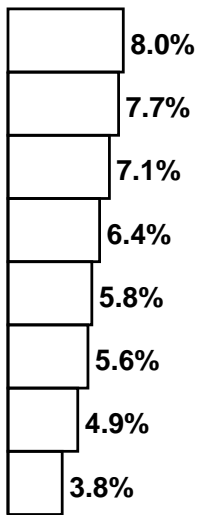
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	19/20	11/12	30/32	–/0.0	3.4/4.7	2.3/3.7	5.7/8.5
All Cancer	–/1.3	31/57 (54%)	16/44 (38%)	47/102	–/1.1	4.5/36 (12%)	3.1/41 ( 8%)	7.6/79
Vascular	–/1.2	27/72	15/108	43/181	–/0.4	4.5/32	6.6/176	11/209
Respiratory	–/0.5	4.6/7.4	6.0/13	11/21	–/0.3	1.1/3.0	2.2/12	3.3/15
All Other	–/17	9.7/59	2.8/27	12/103	–/6.1	1.7/21	1.3/41	3.0/68
All Causes	–/20	73/196 (37%)	40/191 (21%)	113/407	–/8.0	12/93 (13%)	13/271 ( 5%)	25/371

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	47 / 102 (46%)	7.6 / 79 (10%)	55 / 181 (30%)
All Causes	113 / 407 (28%)	25 / 371 ( 7%)	138 / 778 (18%)

1965-2000: EU10 (European Union - 10 countries)

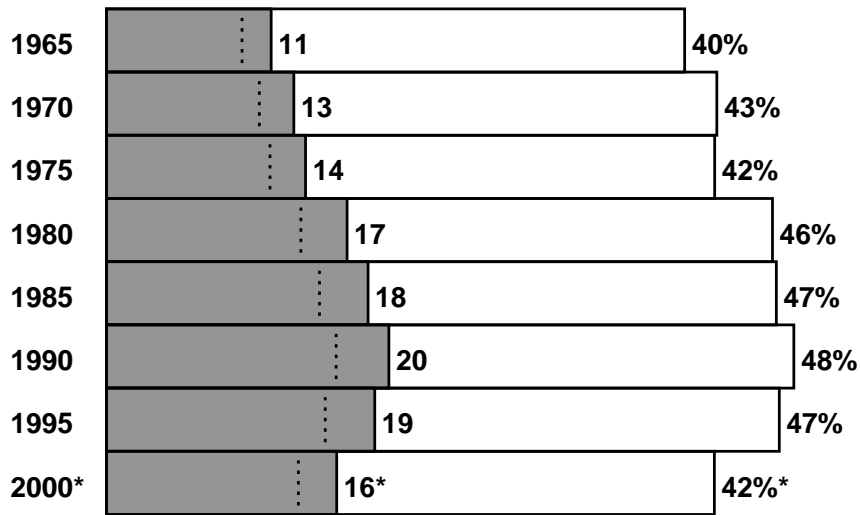
Population risk of dying at ages 0-34



Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)

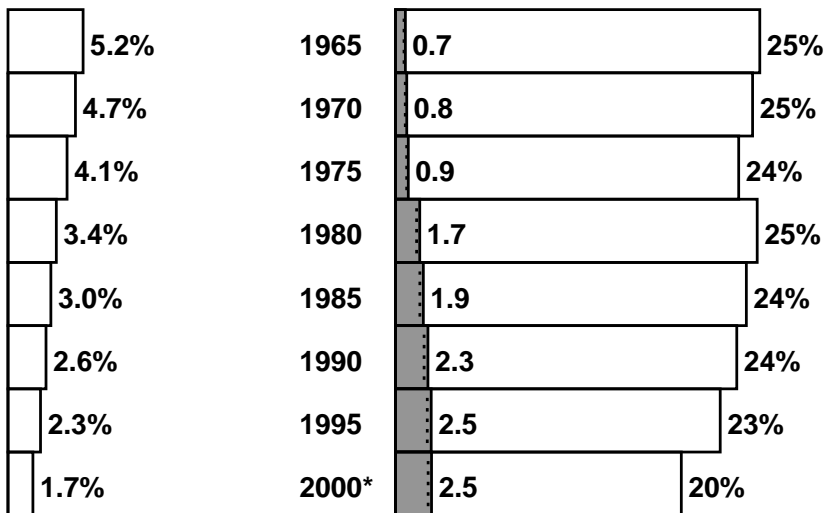
\*eg, at year 2000 male death rates, out of 100 men aged 35, 42 would die before age 70 (with 16 of these deaths attributed to smoking)

MALE



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

FEMALE



<b>EU10 (European Union - 10 countries): 1960-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	-/44	38/134 <b>(28%)</b>	14/114 <b>(13%)</b>	52/292	-/28	2.4/94 <b>( 3%)</b>	2.8/156 <b>( 2%)</b>	5.2/278
1970	-/41	48/157 <b>(30%)</b>	23/139 <b>(17%)</b>	71/337	-/24	3.1/99 <b>( 3%)</b>	3.5/189 <b>( 2%)</b>	6.6/311
1975	-/41	52/161 <b>(32%)</b>	32/163 <b>(19%)</b>	84/365	-/23	3.6/97 <b>( 4%)</b>	5.8/215 <b>( 3%)</b>	9.4/335
1980	-/40	66/179 <b>(37%)</b>	39/199 <b>(20%)</b>	106/418	-/20	6.8/101 <b>( 7%)</b>	7.3/255 <b>( 3%)</b>	14/377
1985	-/36	76/188 <b>(40%)</b>	40/209 <b>(19%)</b>	116/433	-/18	7.9/99 <b>( 8%)</b>	8.6/280 <b>( 3%)</b>	16/397
1990	-/32	91/220 <b>(41%)</b>	34/190 <b>(18%)</b>	124/442	-/14	11/111 <b>(10%)</b>	10/268 <b>( 4%)</b>	21/393
1995	-/26	87/222 <b>(39%)</b>	37/190 <b>(20%)</b>	125/437	-/11	12/107 <b>(11%)</b>	11/275 <b>( 4%)</b>	23/393
2000	-/20	73/196 <b>(37%)</b>	40/191 <b>(21%)</b>	113/407	-/8.0	12/93 <b>(13%)</b>	13/271 <b>( 5%)</b>	25/371

**40-year total\* (M=millions), mid-1960 to mid-2000: 4.3/ 29M**

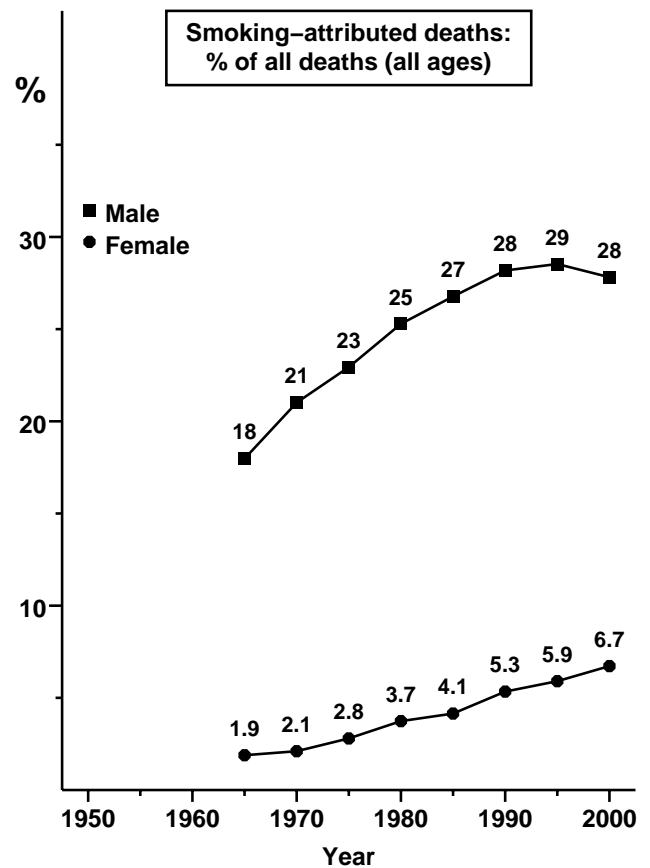
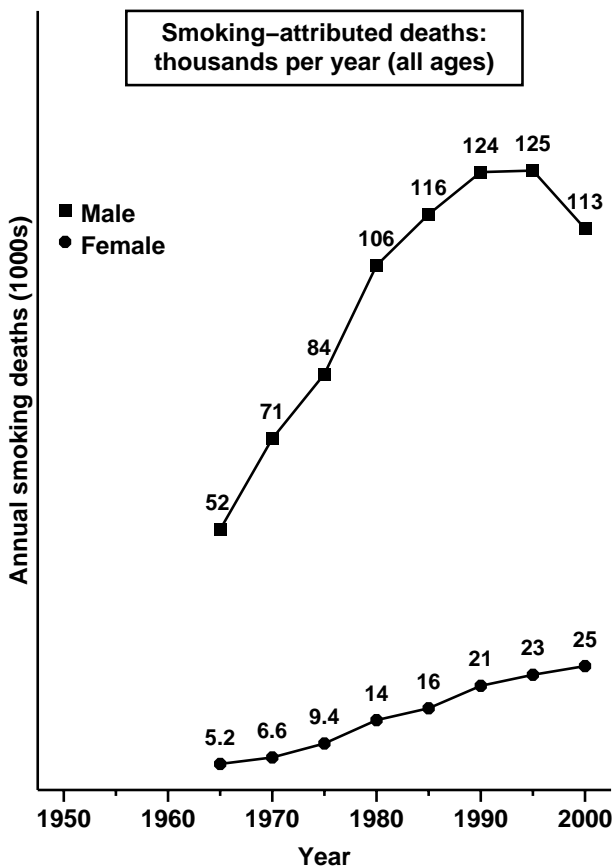
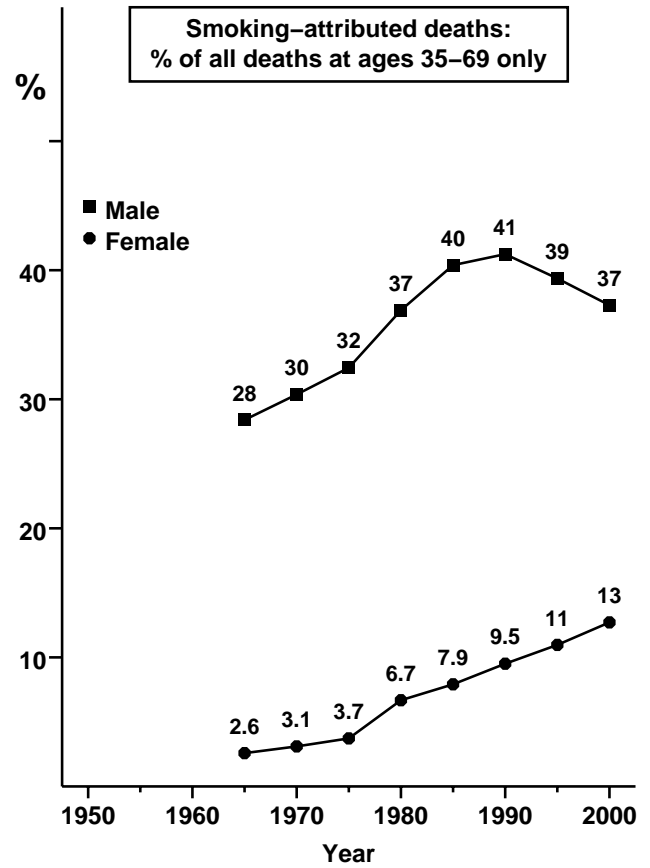
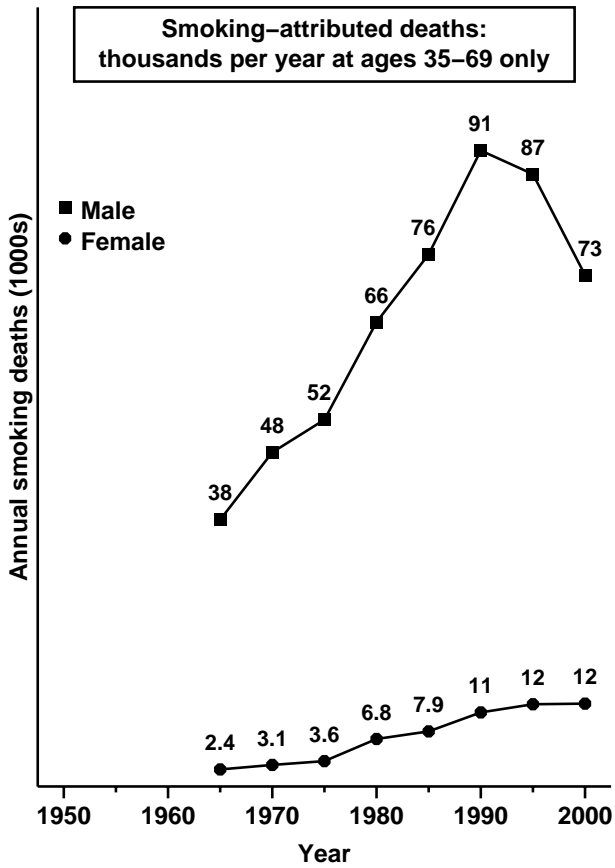
**1960-2000 by age & sex:**

-/1.5M	2.5/7.0M	1.2/6.8M	3.8/15M	-/0.8M	0.3/4.0M	0.3/9.3M	0.5/14M
	<b>(36%)</b>	<b>(18%)</b>			<b>( 6%)</b>	<b>( 3%)</b>	

\*Estimated as 10 times the sum of the annual numbers for 1965, 1975, 1985 & 1995

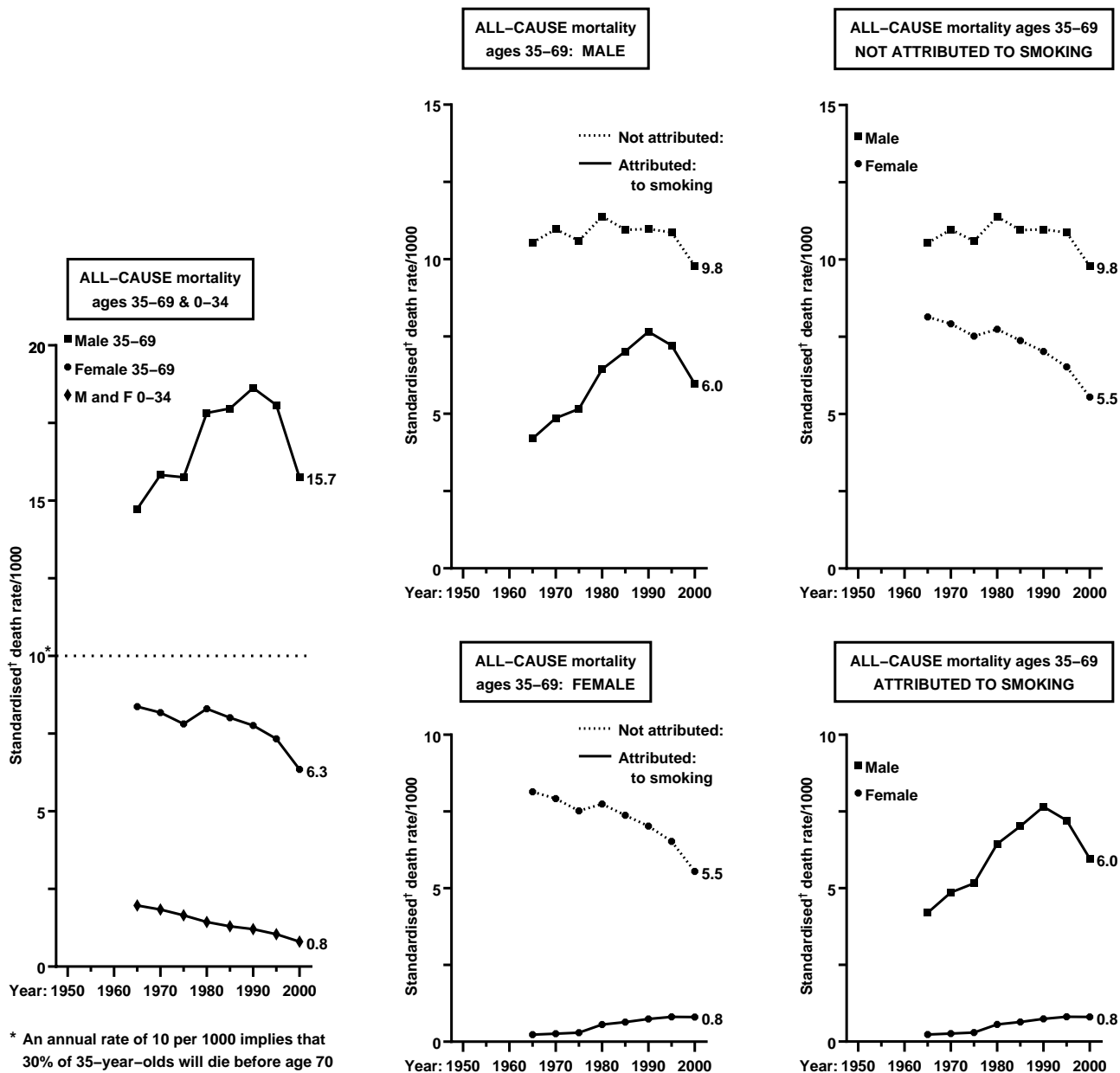


1965-2000: EU10 (European Union - 10 countries)



**EU10 (European Union - 10 countries): 1965-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**

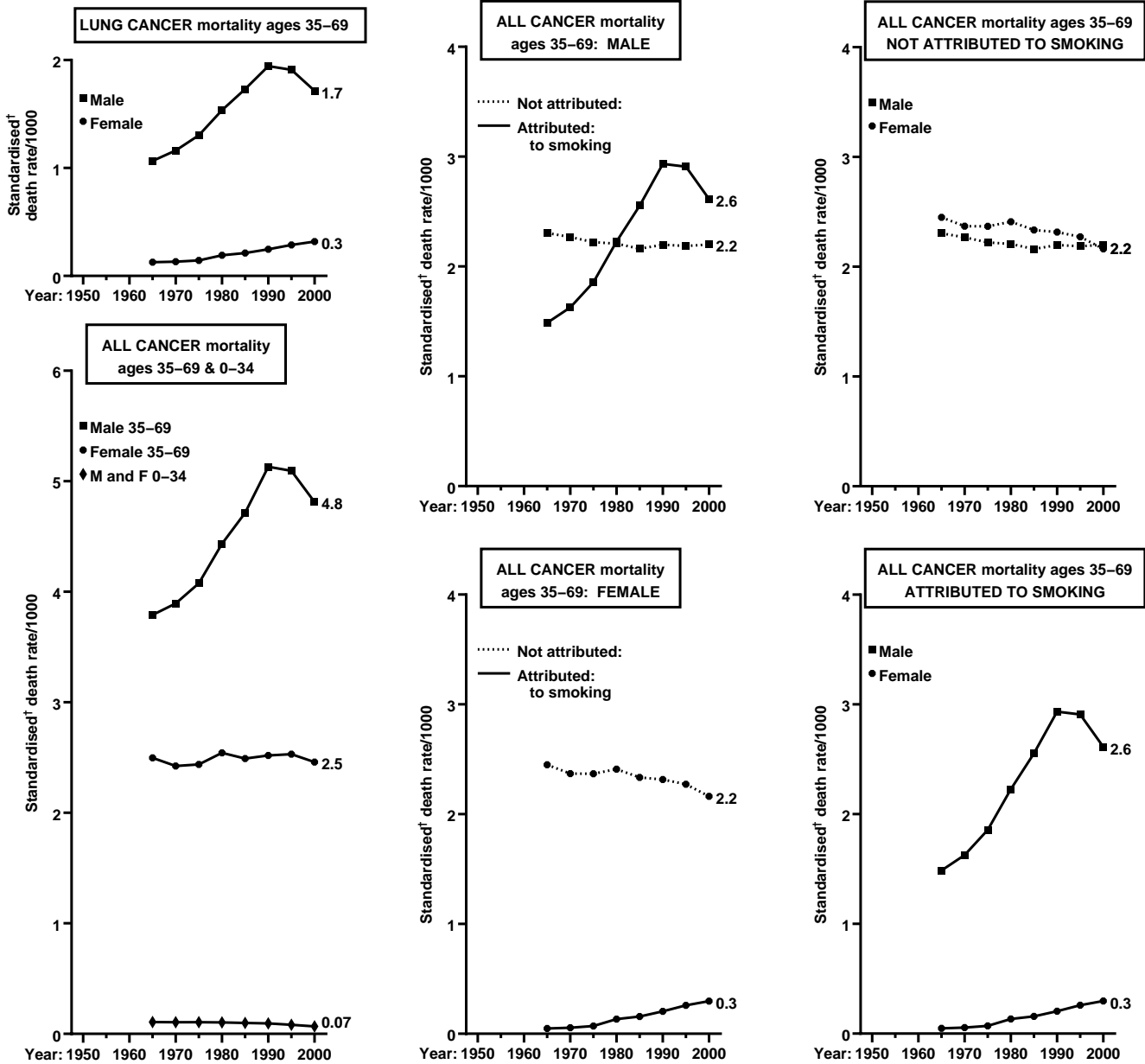


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1965	-	2.39	4.20	10.5	11.5	70.5	-	1.54	0.23	8.14	1.28	59.5	-	1.38	0.26	7.92	1.21	55.7
1970	-	2.29	4.86	11.0	15.3	68.5	-	1.20	0.29	7.52	1.65	54.8	-	0.98	0.56	7.74	1.74	52.1
1975	-	2.09	5.16	10.6	17.5	66.8	-	0.87	0.64	7.37	1.93	51.8	-	0.77	0.74	7.02	2.40	46.3
1980	-	1.88	6.44	11.4	18.4	68.2	-	0.66	0.81	6.52	2.32	42.0	-	0.66	0.81	6.52	2.32	42.0
1985	-	1.72	7.02	10.9	18.1	67.2	-	0.50	0.80	5.55	2.39	37.4	-	0.50	0.80	5.55	2.39	37.4
1990	-	1.64	7.65	11.0	16.9	63.5	-	0.50	0.80	5.55	2.39	37.4	-	0.50	0.80	5.55	2.39	37.4
1995	-	1.42	7.21	10.9	16.7	57.8	-	0.50	0.80	5.55	2.39	37.4	-	0.50	0.80	5.55	2.39	37.4
2000	-	1.10	5.96	9.78	16.2	52.3	-	0.50	0.80	5.55	2.39	37.4	-	0.50	0.80	5.55	2.39	37.4

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1965-2000: EU10 (European Union - 10 countries)

ALL CANCER mortality rates attributed and not attributed to smoking



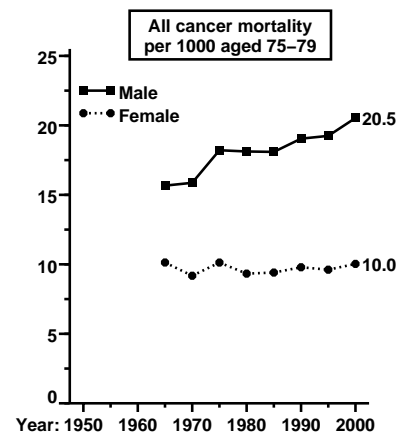
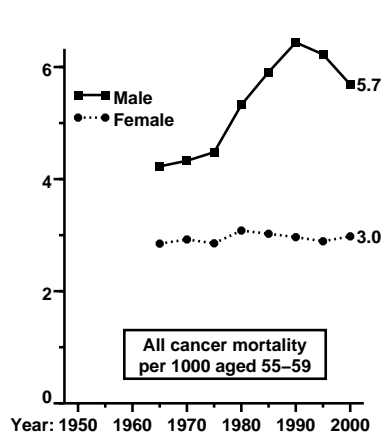
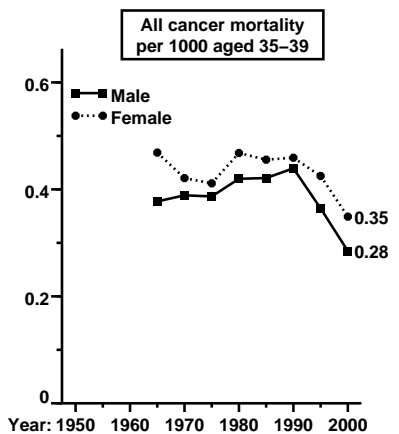
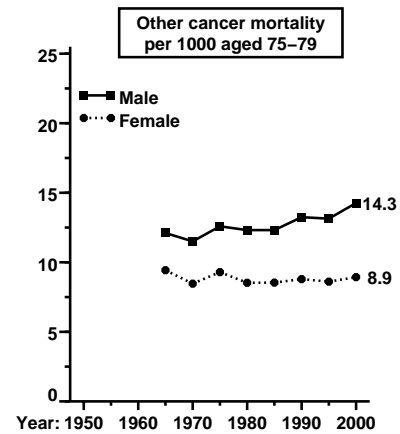
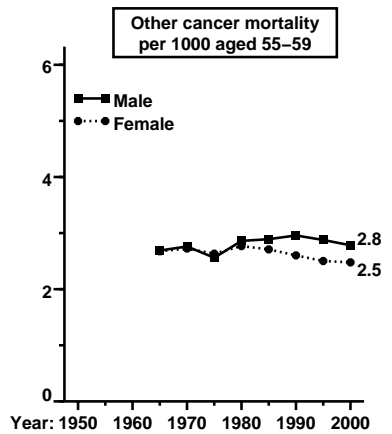
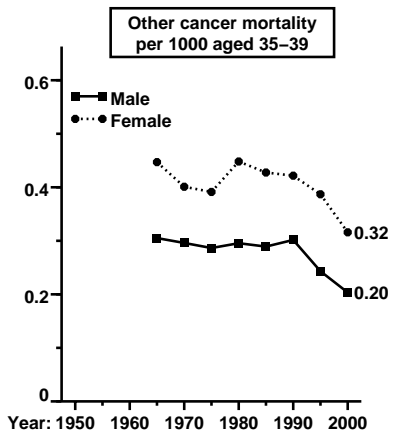
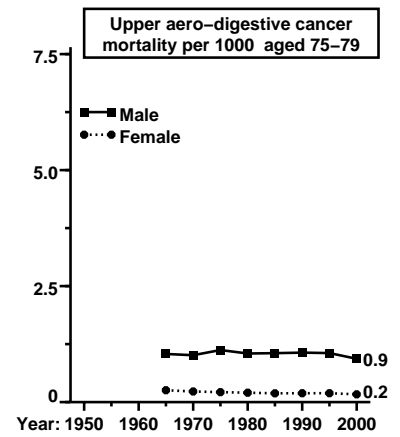
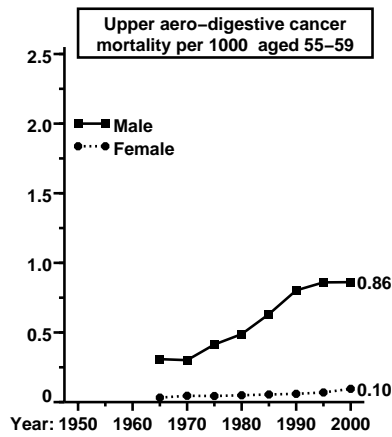
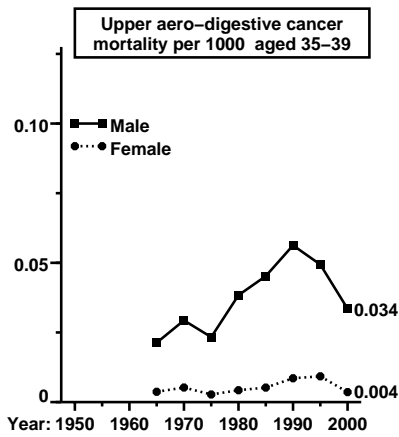
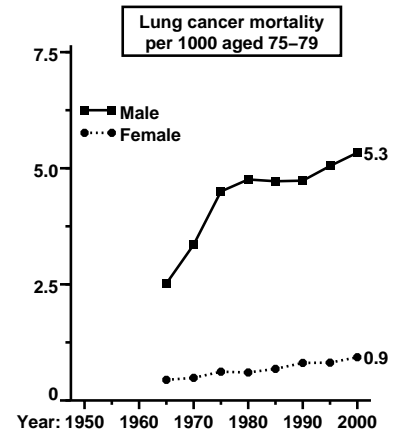
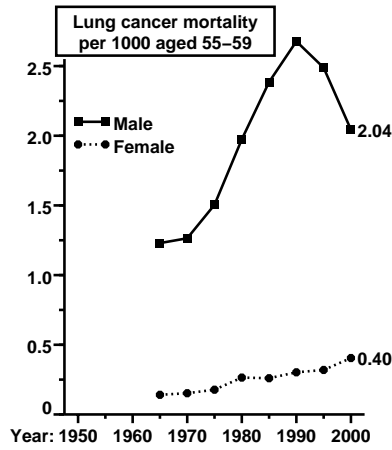
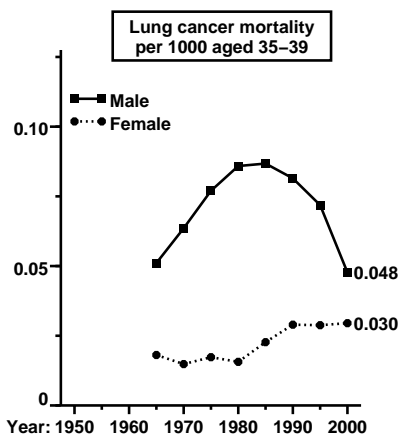
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	-	0.11	1.49	2.30	3.87	10.9	-	0.10	0.05	2.45	0.21	9.02	-	0.10	0.05	2.37
1970	-	0.11	1.63	2.27	4.79	10.4	-	0.10	0.07	2.37	0.32	8.48	-	0.09	0.13	2.41
1975	-	0.11	1.86	2.22	6.03	10.5	-	0.10	0.16	2.33	0.40	8.02	-	0.09	0.20	2.31
1980	-	0.11	2.23	2.21	6.21	10.3	-	0.09	0.20	2.31	0.59	8.04	-	0.08	0.26	2.27
1985	-	0.11	2.55	2.16	6.34	10.4	-	0.09	0.26	2.27	0.63	7.99	-	0.08	0.30	2.16
1990	-	0.10	2.93	2.20	6.56	10.7	-	0.09	0.30	2.16	0.71	8.01	-	0.06	0.30	2.16
1995	-	0.09	2.91	2.19	7.11	10.7	-	0.08	0.30	2.16	0.71	8.01	-	0.06	0.30	2.16
2000	-	0.07	2.61	2.20	7.35	11.2	-	0.06	0.30	2.16	0.71	8.01	-	0.06	0.30	2.16

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**EU10 (European Union - 10 countries): 1965-2000**

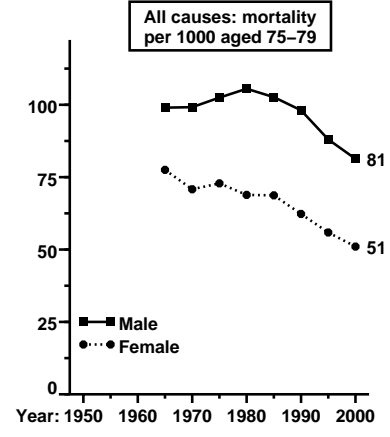
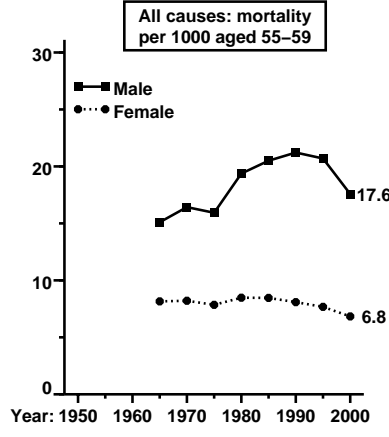
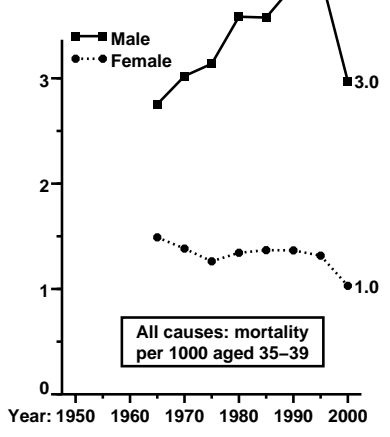
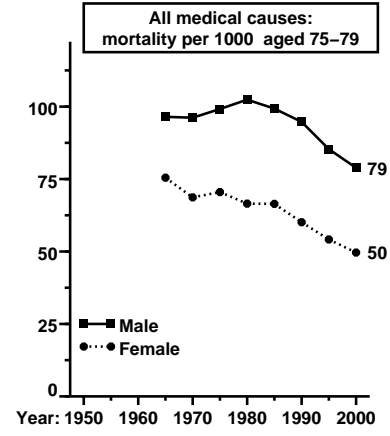
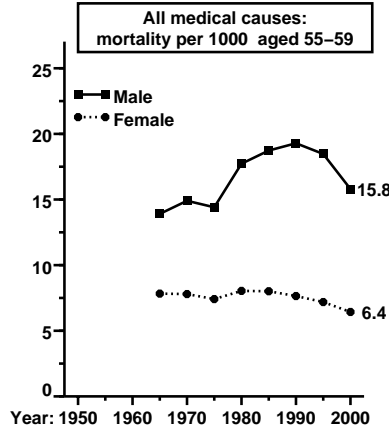
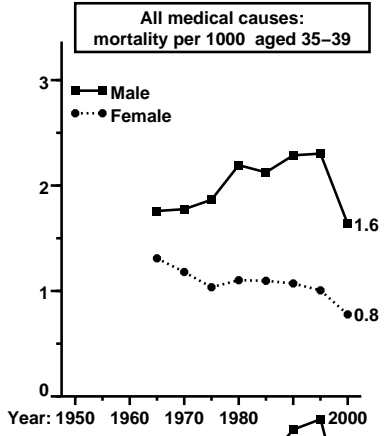
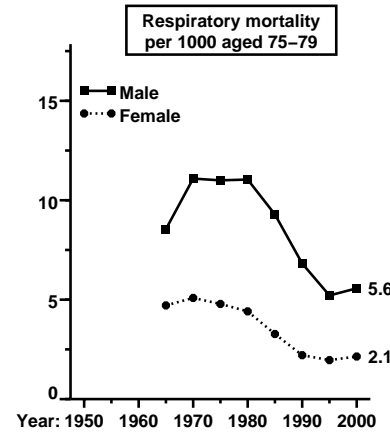
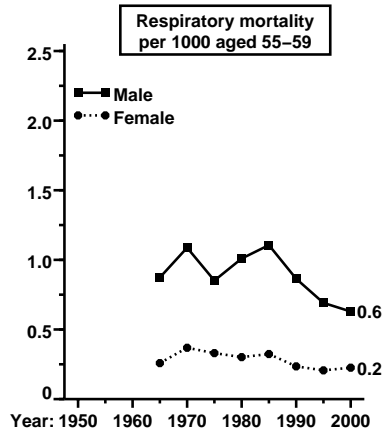
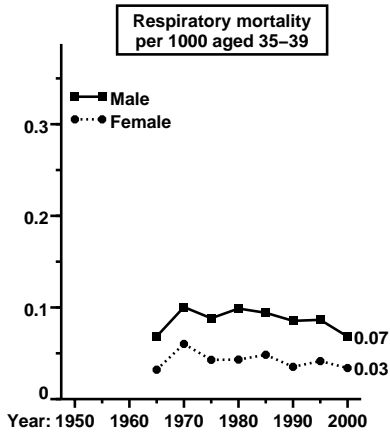
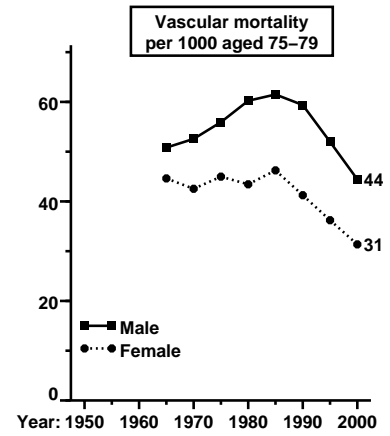
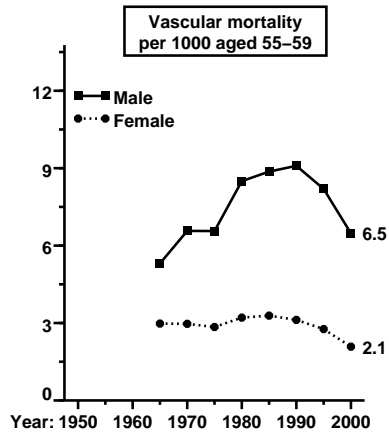
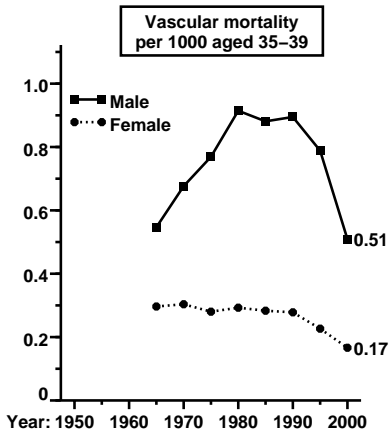
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

1965-2000: EU10 (European Union - 10 countries)

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

<b>EU25 (European Union - 25 countries*): 2000</b>
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		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
<b>ALL CAUSES</b>	M	2214295	85395	779132	896.5	80.8	928.9	136.8	15.7	18.7	65.7	101.1	105.6	122.3
	F	2237793	38648	397217	542.2	39.8	438.0	111.0	11.4	12.9	27.9	31.8	34.5	49.1
<b>Tuberculosis</b>	M	4433	124	2187	1.8	0.1	2.4	0.0	0.0	0.0	0.0	0.1	0.2	0.4
	F	2256	64	557	0.6	0.1	0.6	0.0	0.0	-	0.0	0.1	0.2	0.1
<b>HIV</b>	M	4798	1203	3498	2.0	1.0	3.2	0.1	0.0	0.0	0.1	0.5	1.9	4.5
	F	1167	424	715	0.5	0.4	0.6	0.1	0.0	0.0	0.0	0.2	0.7	1.5
<b>Other infective and parasitic</b>	M	17145	1118	6070	7.0	1.1	7.1	4.2	0.3	0.4	0.6	0.6	0.8	1.2
	F	19138	840	3712	4.9	0.9	4.1	3.6	0.4	0.4	0.6	0.5	0.4	0.6
<b>ALL CANCER</b>	M	625672	6596	276498	252.6	6.1	338.3	3.4	3.6	3.2	5.5	6.2	8.3	12.2
	F	492963	5728	180930	141.9	5.3	198.5	2.8	2.7	2.8	3.4	4.5	7.1	14.0
<b>Mouth and pharynx cancer</b>	M	19323	120	14023	8.3	0.1	16.0	0.0	0.0	0.0	0.1	0.2	0.2	0.3
	F	5400	57	2558	1.7	0.1	2.7	0.0	0.0	0.0	0.0	0.0	0.1	0.2
<b>Oesophagus cancer</b>	M	19642	43	11450	8.1	0.0	13.7	-	-	-	-	0.0	0.1	0.2
	F	6634	16	2086	1.8	0.0	2.3	-	-	-	-	0.0	0.0	0.1
<b>Stomach cancer</b>	M	38320	206	15872	15.4	0.2	19.5	-	-	-	0.0	0.1	0.3	0.8
	F	27163	180	7486	7.2	0.2	8.3	-	-	0.0	0.0	0.1	0.3	0.6
<b>Colorectal cancer</b>	M	68265	237	26660	27.3	0.2	33.3	0.0	-	-	0.1	0.2	0.4	0.8
	F	64824	227	17481	17.0	0.2	19.6	-	-	0.0	0.1	0.2	0.3	0.8
<b>Liver cancer</b>	M	19034	110	8962	7.6	0.1	11.2	0.1	0.0	0.0	0.1	0.1	0.2	0.2
	F	8897	53	2618	2.4	0.1	3.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1
<b>Pancreas cancer</b>	M	27965	91	13723	11.4	0.1	16.8	-	-	-	0.0	0.0	0.1	0.4
	F	28431	41	8729	7.7	0.0	9.9	-	-	0.0	-	0.0	0.0	0.1
<b>Larynx cancer</b>	M	11593	14	7112	4.8	0.0	8.4	-	-	0.0	-	0.0	0.0	0.1
	F	1191	2	575	0.4	0.0	0.6	-	-	-	-	-	-	0.0
<b>Lung cancer</b>	M	170912	228	87305	69.2	0.2	107.7	0.0	0.0	0.0	0.0	0.1	0.3	0.9
	F	53102	146	23758	16.3	0.1	26.2	0.0	0.0	0.0	0.0	0.1	0.3	0.5
<b>Malignant melanoma</b>	M	6059	271	3477	2.5	0.2	4.0	0.0	0.0	0.0	0.1	0.2	0.5	0.8
	F	5399	188	2538	1.7	0.2	2.7	0.0	0.0	0.0	0.1	0.2	0.4	0.5
<b>Female breast cancer</b>	F	85253	753	41911	27.0	0.6	44.8	-	0.0	0.0	-	0.1	0.7	3.6
<b>Cervix cancer</b>	F	9757	299	5880	3.4	0.3	6.0	-	-	-	-	0.1	0.5	1.2
<b>Other uterine cancer</b>	F	15491	48	5545	4.4	0.0	6.2	-	-	0.0	0.0	0.0	0.1	0.2
<b>Ovarian cancer</b>	F	27437	231	13021	8.6	0.2	14.3	-	0.0	0.0	0.1	0.2	0.4	0.7
<b>Prostate cancer</b>	M	63056	9	11142	24.6	0.0	14.8	-	0.0	-	0.0	0.0	-	0.0
<b>Bladder cancer</b>	M	25285	25	7424	10.0	0.0	9.5	0.0	0.0	-	-	0.0	0.0	0.1
	F	9413	14	1685	2.3	0.0	1.9	-	0.0	-	0.0	-	-	0.1
<b>Other and ill-defined cancer sites</b>	M	111443	3124	51117	45.3	2.9	61.5	2.0	2.2	1.6	2.7	3.0	3.9	4.9
	F	103465	2038	32488	28.7	2.0	36.0	1.6	1.7	1.7	1.7	1.7	2.2	3.2
<b>Hodgkin's disease</b>	M	1627	229	853	0.7	0.2	0.9	-	0.0	0.0	0.2	0.3	0.4	0.4
	F	1329	201	518	0.4	0.2	0.5	0.0	0.0	0.1	0.2	0.4	0.4	0.3
<b>Myeloma and non-Hodgkin lymphomas</b>	M	24066	547	10347	9.7	0.5	12.6	0.2	0.2	0.3	0.4	0.6	0.7	1.0
	F	23494	321	7305	6.5	0.3	8.2	0.1	0.1	0.1	0.2	0.4	0.5	0.6
<b>Leukaemia</b>	M	19082	1342	7031	7.7	1.3	8.5	1.0	1.1	1.2	1.8	1.3	1.2	1.4
	F	16283	913	4748	4.6	0.9	5.2	0.9	0.8	0.7	0.9	0.8	1.0	1.2
<b>Diabetes</b>	M	36717	255	11703	14.6	0.2	14.5	0.0	0.0	0.0	0.1	0.2	0.4	0.8
	F	54317	167	7921	12.5	0.1	9.1	0.0	0.0	0.0	0.1	0.1	0.2	0.5
<b>ALL VASCULAR DISEASE</b>	M	845516	4884	243631	337.1	4.4	299.0	2.8	0.7	1.1	2.5	4.5	6.9	12.0
	F	1027530	2528	101287	223.5	2.4	115.2	2.6	0.4	0.9	1.4	2.1	3.6	5.6
<b>Rheumatic heart disease and fever</b>	M	4114	74	1683	1.7	0.1	2.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2
	F	8667	48	2094	2.2	0.0	2.4	0.0	-	0.1	0.0	0.1	0.1	0.1
<b>Hypertensive disease</b>	M	27723	71	7752	11.1	0.1	9.6	0.0	0.0	0.0	0.0	0.1	0.1	0.2
	F	50472	34	4667	10.9	0.0	5.3	0.0	-	0.0	-	0.0	0.0	0.1
<b>Ischaemic heart disease</b>	M	377585	1020	129500	151.0	0.9	158.7	0.1	-	0.0	0.2	0.6	1.5	3.7
	F	346532	237	39517	76.8	0.2	45.4	0.1	0.0	0.0	0.0	0.1	0.4	0.8
<b>Pulmonary embolism and other venous</b>	M	17584	230	6365	7.0	0.2	7.7	0.0	0.0	0.0	0.1	0.2	0.3	0.7
	F	27084	290	5093	6.6	0.3	5.6	0.0	0.0	0.0	0.2	0.4	0.4	0.7
<b>Cerebrovascular disease</b>	M	190156	1006	42760	75.2	0.9	53.1	0.5	0.2	0.4	0.4	1.0	1.4	2.3
	F	287472	759	27126	62.3	0.7	30.6	0.4	0.1	0.3	0.3	0.6	1.2	2.0
<b>Other vascular disease</b>	M	228354	2483	55571	91.1	2.3	67.8	2.1	0.4	0.7	1.7	2.6	3.4	4.9
	F	307303	1160	22790	64.7	1.1	25.8	2.1	0.3	0.5	0.8	1.0	1.4	2.0
<b>Chronic obstructive pulmonary disease</b>	M	89551	344	19118	35.1	0.3	24.7	0.3	0.1	0.2	0.3	0.4	0.3	0.6
	F	54744	236	9115	13.0	0.2	10.4	0.1	0.1	0.2	0.3	0.2	0.3	0.4
<b>Other respiratory disease</b>	M	105739	1613	18514	42.1	1.6	22.7	4.0	0.4	0.4	0.9	1.4	1.7	2.3
	F	124405	922	9199	26.3	1.0	10.3	2.7	0.4	0.4	0.6	0.7	0.8	1.1
<b>Peptic ulcer</b>	M	8935	63	3134	3.6	0.1	3.7	0.0	0.0	0.0	0.0	0.0	0.1	0.2
	F	9405	36	1318	2.2	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.1
<b>Liver cirrhosis</b>	M	49505	836	36867	21.1	0.7	41.3	0.0	0.0	0.0	0.0	0.1	0.9	3.7
	F	24275	366	14429	8.3	0.3	15.3	0.0	0.0	0.0	0.0	0.1	0.5	1.5
<b>Renal disease</b>	M	20926	192	4675	8.3	0.2	5.8	0.3	0.0	0.0	0.1	0.1	0.3	0.3
	F	23345	196	3293	5.4	0.2	3.7	0.3	0.1	0.0	0.1	0.2	0.3	0.3
<b>Pregnancy, birth</b>	F	272	187	85	0.1	0.2	0.1	-	-	-	0.1	0.2	0.4	0.5
<b>Congenital and perinatal causes</b>	M	13410	11843	1114	8.2	13.6	1.2	89.0	1.2	1.0	1.1	1.0	1.1	0.9
	F	11082	9402	1062	6.9	11.4	1.1	74.0	1.1	1.0	1.1	0.8	0.6	0.9
<b>Ill-defined causes</b>	M	70021	5582	26499	29.2	5.4	29.6	12.6	0.6	0.6	2.7	5.5	6.9	8.5
	F	87017	2332	9392	19.6	2.5	10.1	9.3	0.4	0.4	1.1	1.8	1.8	2.5
<b>Other medical causes</b>	M	167463	7969	50807	67.8	7.5	58.6	10.2	2.8	2.9	5.3	7.9	10.0	13.2
	F	224880	4330	30822	52.2	4.4	33.8	8.3	2.5	2.5	3.4	4.0	4.2	5.7
<b>ALL NON-MEDICAL CAUSES</b>	M	154464	42773	74817	65.9	38.7	77.0	9.8	6.0	8.8	46.4	72.7	65.8	61.4
	F	80997	10890	23380	24.4	10.5	23.8	7.2	3.2	4.3	15.6	16.3	13.2	13.7
<b>Road traffic accidents</b>	M	38906	18093	15975	16.9	16.5	16.2	2.1	2.5	4.0	25.7	35.6	26.2	19.3
	F	12879	4787	4899	5.0	4.6	4.9	1.6	1.5	2.3	8.9	8.6	5.4	4.2
<b>Fire</b>	M	2523	498	1402	1.1	0.5	1.5	0.6	0.4	0.2	0.3	0.5	0.5	0.8
	F	1417	198	503	0.5	0.2	0.5	0.5	0.2	0.1	0.1	0.2	0.1	0.2
<b>Suicide</b>	M	44091	10474	25787	18.8	9.2	26.2	-	0.0	1.2	8.6	16.7	18.1	19.9
	F	14270	2382	8262	5.									

## 2000: EU25 (European Union - 25 countries)

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
171.7	280.6	443.9	653.3	978.6	1535.1	2439.1	3807.2	6073.5	13919.0	M	ALL CAUSES	001-999/A00-Y89
78.8	132.3	213.7	313.6	460.6	707.0	1160.2	1986.1	3567.5	11480.2	F		
0.9	1.5	2.0	2.4	2.6	3.4	4.2	6.8	11.3	18.5	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.2	0.3	0.5	0.4	0.5	0.9	1.4	2.8	4.9	8.0	F		
7.1	5.5	3.3	2.1	1.8	1.5	1.2	0.7	0.4	0.3	M	HIV	279.5, 279.6/B20-B24
1.8	1.1	0.6	0.3	0.2	0.2	0.2	0.1	0.1	0.0	F		
2.0	2.5	3.7	5.1	7.0	11.3	18.4	29.4	45.4	99.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.0	1.3	1.7	2.4	4.0	6.8	11.6	19.1	32.1	87.0	F		
23.1	56.5	124.8	229.2	382.3	612.2	939.8	1324.5	1792.7	2626.6	M	ALL CANCER	140-208/C00-C97
29.1	59.3	103.4	162.0	237.7	332.5	465.1	644.1	877.7	1403.7	F		
1.2	5.0	12.2	18.6	23.0	25.2	26.7	25.9	26.2	30.8	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	1.1	2.1	2.9	3.8	4.2	4.8	5.5	7.1	13.9	F		
0.7	2.5	6.5	12.2	18.6	24.5	30.6	36.8	43.4	52.7	M	Oesophagus cancer	150/C15
0.1	0.4	1.0	1.8	3.0	4.3	5.7	8.6	12.1	22.6	F		
1.5	3.6	6.8	12.2	20.2	35.4	56.8	84.0	116.4	173.9	M	Stomach cancer	151/C16
1.5	2.6	3.8	5.6	8.2	13.5	22.8	35.0	51.3	99.4	F		
1.7	4.1	9.0	18.5	35.5	62.0	102.2	149.1	216.4	335.6	M	Colorectal cancer	153, 154/C18-C21
1.7	3.8	7.4	13.1	22.5	35.0	53.6	81.3	125.2	242.5	F		
0.5	1.3	3.0	6.4	11.3	21.2	34.7	46.7	57.0	56.8	M	Liver cancer	155.0/C22 excl C221
0.3	0.5	1.1	1.6	3.0	5.1	9.2	14.9	19.5	25.3	F		
0.9	2.7	5.8	11.4	21.0	31.5	44.1	59.6	76.1	97.9	M	Pancreas cancer	157/C25
0.5	1.2	3.3	6.2	11.5	18.8	27.6	41.6	60.2	86.5	F		
0.4	1.7	4.5	8.0	11.1	14.4	18.9	20.9	24.0	27.5	M	Larynx cancer	161/C32
0.0	0.2	0.4	0.7	0.9	0.9	1.2	1.7	1.7	2.5	F		
3.5	13.6	35.8	71.3	125.3	200.1	304.2	402.9	468.8	464.4	M	Lung cancer	162/C33, C34
2.0	6.8	13.8	21.9	33.1	43.7	61.9	83.0	96.5	100.7	F		
1.2	1.7	2.6	3.6	4.8	5.9	7.9	10.2	11.3	16.5	M	Malignant melanoma	172/C43
0.9	1.6	1.9	2.7	3.1	3.7	4.8	6.1	7.5	12.0	F		
9.1	18.1	30.6	46.2	59.9	70.6	79.4	94.8	119.4	192.2	F	Female breast cancer	174/C50
2.9	5.0	6.3	6.2	6.1	7.2	8.3	9.7	11.2	13.3	F	Cervix cancer	180/C53
0.6	1.3	2.4	4.3	7.1	11.1	16.6	22.6	29.3	42.7	F	Other uterine cancer	179, 182/C54, C55
1.4	3.6	7.3	12.5	18.8	25.3	31.2	37.6	44.8	53.5	F	Ovarian cancer	183/C56, C570-C574
0.1	0.2	0.9	3.3	9.9	28.1	61.0	119.7	237.2	576.1	M	Prostate cancer	185/C61
0.2	0.7	1.9	4.4	8.5	17.7	33.1	57.0	89.0	162.2	M	Bladder cancer	188/C67
0.1	0.3	0.7	1.0	1.8	3.7	5.9	11.1	18.3	43.9	F		
7.3	13.9	27.3	45.5	69.5	107.5	159.3	221.4	296.9	441.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.1	9.3	15.5	26.3	40.3	61.4	94.1	134.2	192.6	331.1	F		
0.5	0.6	0.7	0.7	1.0	1.4	1.8	2.2	3.2	3.6	M	Hodgkin's disease	201/C81
0.3	0.3	0.3	0.5	0.5	0.8	1.2	1.5	2.0	2.3	F		
1.8	2.6	4.5	8.0	13.9	22.7	34.4	50.7	72.2	97.4	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.0	1.7	2.8	5.2	8.9	14.4	23.5	34.9	49.3	67.8	F	Leukaemia	204-208/C91-C95
1.7	2.3	3.3	5.0	8.7	14.5	24.0	37.6	54.5	90.2	M		
1.1	1.8	2.6	3.5	5.3	8.9	13.3	19.9	29.8	51.7	F		
1.4	2.7	4.7	8.2	14.2	24.9	45.4	73.4	119.0	240.2	M	Diabetes	250/E10-E14
0.8	1.1	1.9	3.7	7.5	15.5	33.4	59.6	107.2	272.0	F		
25.6	59.6	113.5	187.7	301.3	513.1	892.2	1510.7	2580.7	6575.4	M	ALL VASCULAR DISEASE	390-459/I00-199
10.4	20.4	36.2	58.4	96.9	191.8	392.3	813.3	1682.0	6220.8	F		
0.2	0.5	0.8	1.3	2.2	3.5	5.9	8.6	12.2	19.1	M	Rheumatic heart disease and fever	390-398/I00-109
0.2	0.3	0.6	1.1	2.4	4.4	7.8	12.0	19.0	31.4	F		
0.5	1.6	3.4	5.8	10.1	16.7	28.9	46.0	83.0	230.1	M	Hypertensive disease	401-405/I10-I15
0.2	0.6	1.3	2.9	4.9	9.0	18.5	38.0	80.4	313.2	F		
10.9	29.7	60.3	104.1	168.8	276.9	460.4	732.3	1148.8	2443.5	M	Ischaemic heart disease	410-414/I20-I25
2.3	5.7	11.6	19.5	36.9	78.9	163.2	323.5	627.1	1951.9	F		
1.2	2.4	3.5	5.0	7.6	12.6	21.4	32.0	53.6	106.8	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.0	1.6	2.7	3.6	5.5	9.2	16.0	28.4	50.3	127.3	F		
4.5	9.6	18.3	29.2	48.3	89.3	172.7	327.2	629.8	1689.0	M	Cerebrovascular disease	430-438/I60-I69
3.6	6.8	11.5	17.6	25.7	48.0	100.8	222.7	487.5	1741.1	F		
8.3	15.9	27.2	42.3	64.3	114.1	202.8	364.6	653.3	2086.9	M	Other vascular disease	Rest of 390-459/ rest of I00-199
3.1	5.4	8.5	13.7	21.5	42.3	86.1	188.7	417.6	2056.0	F		
0.9	2.1	4.2	8.7	20.4	44.2	92.1	184.1	331.2	726.8	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.7	1.2	2.6	5.4	10.0	17.6	35.7	66.5	109.4	255.4	F		
3.5	6.0	8.5	12.8	20.0	36.9	70.8	143.4	308.7	1140.1	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.9	2.7	4.1	5.9	9.5	16.1	31.8	67.3	156.3	848.8	F		
0.4	1.2	2.1	3.0	3.9	6.1	9.2	14.7	26.0	61.6	M	Peptic ulcer	531-533/K25-K27
0.2	0.4	0.6	1.0	1.3	2.3	4.5	8.4	16.9	51.0	F		
9.7	21.5	33.6	40.9	51.9	63.1	68.2	65.1	62.7	56.5	M	Liver cirrhosis	571/K70, K74
3.9	7.4	12.2	15.7	19.5	23.0	25.2	28.8	32.2	30.1	F		
0.6	1.2	2.1	3.3	5.4	9.5	18.1	33.9	64.5	194.2	M	Renal disease	580-590/N00-N19
0.4	0.7	1.2	1.9	3.2	6.2	12.4	21.3	40.2	126.3	F		
0.4	0.1	0.0	0.0	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.9	0.9	1.1	1.3	1.5	1.3	1.2	1.5	2.6	3.5	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.8	0.8	0.9	1.2	1.5	1.2	1.2	1.4	1.6	2.9	F	III-defined causes	780-799/R00-R99
11.6	17.1	23.0	26.3	31.8	42.0	55.1	75.4	119.8	505.7	M		
3.2	4.7	7.1	8.0	10.2	14.6	22.7	39.5	79.2	585.0	F		
18.0	26.9	36.5	45.2	59.7	86.9	137.1	235.5	452.1	1285.1	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.8	11.8	17.8	24.5	34.3	51.5	88.5	164.0	342.1	1283.7	F		
66.0	75.4	80.7	77.1	74.8	78.9	86.1	108.1	156.3	384.8	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
16.2	18.9	22.8	22.8	24.4	26.9	34.3	49.7	85.7	305.5	F		
16.9	16.4	16.6	15.7	15.0	15.7	17.3	20.3	26.4	33.2	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.0	4.3	4.5	4.5	4.7	5.4	7.2	8.7	10.8	11.2	F		
1.0	1.4	1.6	1.5	1.5	1.6	1.6	2.0	3.0	5.9	M	Fire	E890-E899/X00-X09
0.3	0.4	0.5	0.5	0.6	0.6	0.7	1.1	2.0	3.8	F		
23.4	28.2	29.4	26.7	25.2	24.7	25.7	30.4	38.3	63.1	M	Suicide	E950-E959/X60-X84
6.2	7.3	9.4	8.4	8.8	8.9	8.9	10.2	11.1	13.4	F		
2.5	2.7	2.7	2.1	1.9	1.5	1.2	1.0	1.2	1.6	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.2	1.2	0.9	1.0	0.7	0.7	0.6	0.7	1.1	1.1	F		
17743	16639	15517	14703	12230	11460	9899	8256	5850	4886	M	POPULATION	
17494	16571	15667	14934	12731	12495	11568	10943	9528	10842	F	(1000s; UN, 2004 revision)	

<b>EU25 (European Union - 25 countries): 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	110708	7610	330	203	7077	447	2158	6345	1294	41123	51731
35-69	Sm.	290359	139453	89030	23415	27008	18339	5306	90162	-	37099	-
	Total	863183 (34%)	292651 (48%)	95775 (93%)	35176 (67%)	161700 (17%)	23475 (78%)	17985 (30%)	292581 (31%)	39767	114647 (32%)	82077
70+	Sm.	265710	108327	70535	9949	27843	54094	8273	74489	-	20527	-
	Total	1322558 (20%)	316533 (34%)	77697 (91%)	16984 (59%)	221852 (13%)	74582 (73%)	73717 (11%)	627557 (12%)	12508	181564 (11%)	36097
Any age	Sm.	556069	247780	159565	33364	54851	72433	13579	164651	-	57626	-
	Total	2296449 (24%)	616794 (40%)	173802 (92%)	52363 (64%)	390629 (14%)	98504 (74%)	93860 (14%)	926483 (18%)	53569	337334 (17%)	169905
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	85395	6596	228	177	6191	344	1613	4884	836	28349	42773
35-69	Sm.	244113	124417	80303	20751	23363	14416	4870	68451	-	31959	-
	Total	779132 (31%)	276498 (45%)	87305 (92%)	32585 (64%)	156608 (15%)	19118 (75%)	18514 (26%)	243631 (28%)	36867	109687 (29%)	74817
70+	Sm.	262629	114291	75257	10199	28835	50208	9041	67038	-	22051	-
	Total	1349768 (19%)	342578 (33%)	83379 (90%)	17796 (57%)	241403 (12%)	70089 (72%)	85612 (11%)	597001 (11%)	11802	205812 (11%)	36874
Any age	Sm.	506742	238708	155560	30950	52198	64624	13911	135489	-	54010	-
	Total	2214295 (23%)	625672 (38%)	170912 (91%)	50558 (61%)	404202 (13%)	89551 (72%)	105739 (13%)	845516 (16%)	49505	343848 (16%)	154464

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	217790	107755	93240	16747	15745	15113	12742	12220	10975	9698	7575	4190	5031
2000	220612	103429	98191	17743	16639	15517	14703	12230	11460	9899	8256	5850	4886
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	2296449	110708	863183	38244	52611	72389	92408	138600	198069	270862	326697	278765	717096
2000	2214295	85395	779132	30456	46689	68880	96048	119687	175918	241454	314309	355313	680146
<b>Lung cancer</b>													
1995	173802	330	95775	864	2605	5827	9948	17230	25625	33676	32840	20485	24372
2000	170912	228	87305	617	2262	5562	10488	15326	22936	30114	33260	27428	22691
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	992.1*	100.3*	1071.2*	228.4	334.1	479.0	725.2	1134.2	1804.7	2793.0	4313.1	6653.6	14253.7
2000	896.5*	80.8*	928.9*	171.7	280.6	443.9	653.3	978.6	1535.1	2439.1	3807.2	6073.5	13919.0
<b>All cancer</b>													
1995	268.9*	6.8*	372.0*	28.2	65.9	134.7	248.1	419.4	683.8	1023.8	1409.3	1844.4	2633.9
2000	252.6*	6.1*	338.3*	23.1	56.5	124.8	229.2	382.3	612.2	939.8	1324.5	1792.7	2626.6
<b>Lung cancer</b>													
1995	76.3*	0.3*	122.9*	5.2	16.5	38.6	78.1	141.0	233.5	347.3	433.6	488.9	484.4
2000	69.2*	0.2*	107.7*	3.5	13.6	35.8	71.3	125.3	200.1	304.2	402.9	468.8	464.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	23.6*	0.2*	42.9*	3.0	11.8	25.5	43.0	57.7	74.9	84.7	92.2	100.3	115.2
2000	21.2*	0.2*	38.1*	2.3	9.2	23.2	38.8	52.7	64.1	76.3	83.6	93.7	110.9
<b>Other cancer</b>													
1995	169.0*	6.3*	206.2*	20.0	37.6	70.7	127.0	220.7	375.4	591.8	883.6	1255.2	2034.2
2000	162.1*	5.7*	192.5*	17.3	33.7	65.8	119.0	204.3	347.9	559.3	838.1	1230.2	2051.4
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	41.6*	0.4*	31.4*	1.1	2.3	5.0	11.1	24.3	57.2	118.7	229.6	397.6	805.6
2000	35.1*	0.3*	24.7*	0.9	2.1	4.2	8.7	20.4	44.2	92.1	184.1	331.2	726.8
<b>Other respiratory disease</b>													
1995	39.4*	2.0*	22.7*	4.3	6.9	8.6	12.7	19.9	37.1	69.7	143.2	297.8	1001.6
2000	42.1*	1.6*	22.7*	3.5	6.0	8.5	12.8	20.0	36.9	70.8	143.4	308.7	1140.1
<b>Vascular disease</b>													
1995	394.9*	5.5*	373.9*	36.3	74.4	129.2	217.7	379.3	666.2	1114.2	1860.2	3054.2	7129.7
2000	337.1*	4.4*	299.0*	25.6	59.6	113.5	187.7	301.3	513.1	892.2	1510.7	2580.7	6575.4
<b>Liver cirrhosis</b>													
1995	24.3*	1.1*	46.6*	13.8	24.2	33.5	46.0	61.1	73.2	74.4	75.6	73.9	73.2
2000	21.1*	0.7*	41.3*	9.7	21.5	33.6	40.9	51.9	63.1	68.2	65.1	62.7	56.5
<b>Other medical causes</b>													
1995	148.1*	39.5*	135.8*	64.6	71.0	82.2	101.7	139.3	198.3	293.7	473.1	820.7	2213.2
2000	142.6*	29.1*	126.1*	42.9	59.5	78.6	96.9	127.9	186.7	289.8	471.2	841.2	2408.7
<b>All non-medical causes</b>													
1995	75.0*	45.1*	88.8*	80.1	89.5	85.7	87.9	90.9	89.0	98.6	121.9	165.0	396.6
2000	65.9*	38.7*	77.0*	66.0	75.4	80.7	77.1	74.8	78.9	86.1	108.1	156.3	384.8



<b>1995, 2000: EU25 (European Union - 25 countries)</b>
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### Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	49455	6751	183	85	6483	329	1290	3233	490	24113	13249
35-69	Sm.	45001	17599	13546	1598	2455	5411	1036	14622	-	6333	-
	Total	438618	188304	21532	5010	161762	10349	8329	128204	16026	61792	25614
		(10%)	(9%)	(63%)	(32%)	(2%)	(52%)	(12%)	(11%)		(10%)	
70+	Sm.	92832	22215	15817	2539	3859	20266	5164	34849	-	10338	-
	Total	1785665	291535	25373	7551	258611	46412	100169	969673	10500	318114	49262
		(5%)	(8%)	(62%)	(34%)	(1%)	(44%)	(5%)	(4%)		(3%)	
Any age	Sm.	137833	39814	29363	4137	6314	25677	6200	49471	-	16671	-
	Total	2273738	486590	47088	12646	426856	57090	109788	1101110	27016	404019	88125
		(6%)	(8%)	(62%)	(33%)	(1%)	(45%)	(6%)	(4%)		(4%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	38648	5728	146	75	5507	236	922	2528	366	17978	10890
35-69	Sm.	45625	20041	15601	1827	2613	5046	1162	12520	-	6856	-
	Total	397217	180930	23758	5219	151953	9115	9199	101287	14429	58877	23380
		(11%)	(11%)	(66%)	(35%)	(2%)	(55%)	(13%)	(12%)		(12%)	
70+	Sm.	102221	26042	18763	2871	4408	22084	5979	35305	-	12811	-
	Total	1801928	306305	29198	7931	269176	45393	114284	923715	9480	356024	46727
		(6%)	(9%)	(64%)	(36%)	(2%)	(49%)	(5%)	(4%)		(4%)	
Any age	Sm.	147846	46083	34364	4698	7021	27130	7141	47825	-	19667	-
	Total	2237793	492963	53102	13225	426636	54744	124405	1027530	24275	432879	80997
		(7%)	(9%)	(65%)	(36%)	(2%)	(50%)	(6%)	(5%)		(5%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

### Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>														
1995		229903	103977	97117	16585	15752	15067	12928	12838	12123	11823	10855	6828	11125
2000		232287	99514	101460	17494	16571	15667	14934	12731	12495	11568	10943	9528	10842
<b>NUMBER OF DEATHS (Source: WHO)</b>														
<b>All causes</b>														
1995		2273738	49455	438618	15589	23665	34015	43947	65154	98279	157969	248161	270318	1267186
2000		2237793	38648	397217	13782	21922	33476	46831	58645	88342	134219	217336	339920	1244672
<b>Lung cancer</b>														
1995		47088	183	21532	407	980	1800	2411	3314	5205	7415	8692	6380	10301
2000		53102	146	23758	354	1129	2167	3270	4211	5461	7166	9082	9199	10917
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
<b>All causes</b>														
1995		581.8*	48.6*	494.9*	94.0	150.2	225.8	339.9	507.5	810.7	1336.1	2286.1	3959.0	11390.1
2000		542.2*	39.8*	438.0*	78.8	132.3	213.7	313.6	460.6	707.0	1160.2	1986.1	3567.5	11480.2
<b>All cancer</b>														
1995		148.7*	6.1*	211.5*	34.0	65.3	111.4	172.5	245.7	353.1	498.5	684.6	899.7	1400.3
2000		141.9*	5.3*	198.5*	29.1	59.3	103.4	162.0	237.7	332.5	465.1	644.1	877.7	1403.7
<b>Lung cancer</b>														
1995		15.2*	0.2*	24.4*	2.5	6.2	11.9	18.6	25.8	42.9	62.7	80.1	93.4	92.6
2000		16.3*	0.1*	26.2*	2.0	6.8	13.8	21.9	33.1	43.7	61.9	83.0	96.5	100.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>														
1995		3.9*	0.1*	5.6*	0.6	1.6	3.1	5.6	6.6	9.4	12.7	16.6	23.1	37.5
2000		3.9*	0.1*	5.7*	0.4	1.7	3.5	5.4	7.7	9.4	11.7	15.8	20.8	38.9
<b>Other cancer</b>														
1995		129.7*	5.8*	181.5*	31.0	57.6	96.3	148.2	213.4	300.8	423.1	588.0	783.2	1270.1
2000		121.7*	5.1*	166.6*	26.6	50.8	86.0	134.8	196.9	279.4	391.4	545.3	760.3	1264.1
<b>Chronic obstructive pulmonary disease (COPD)</b>														
1995		14.4*	0.3*	12.0*	0.8	1.4	2.8	5.4	10.7	21.3	41.6	75.9	124.7	266.5
2000		13.0*	0.2*	10.4*	0.7	1.2	2.6	5.4	10.0	17.6	35.7	66.5	109.4	255.4
<b>Other respiratory disease</b>														
1995		24.0*	1.3*	9.5*	1.9	2.8	3.6	5.3	8.0	15.1	29.6	65.1	161.7	737.5
2000		26.3*	1.0*	10.3*	1.9	2.7	4.1	5.9	9.5	16.1	31.8	67.3	156.3	848.8
<b>Vascular disease</b>														
1995		253.0*	2.9*	148.0*	12.7	23.9	41.4	69.3	125.9	253.0	509.9	1029.7	2008.5	6478.6
2000		223.5*	2.4*	115.2*	10.4	20.4	36.2	58.4	96.9	191.8	392.3	813.3	1682.0	6220.8
<b>Liver cirrhosis</b>														
1995		9.7*	0.4*	17.6*	4.7	9.0	12.4	18.2	22.1	26.0	30.4	34.7	37.3	37.6
2000		8.3*	0.3*	15.3*	3.9	7.4	12.2	15.7	19.5	23.0	25.2	28.8	32.2	30.1
<b>Other medical causes</b>														
1995		104.6*	25.3*	69.2*	20.4	25.3	31.4	43.4	66.8	111.2	186.1	337.3	629.8	2143.8
2000		104.9*	20.1*	64.6*	16.6	22.4	32.5	43.3	62.6	99.1	175.9	316.3	624.2	2416.0
<b>All non-medical causes</b>														
1995		27.5*	12.3*	27.1*	19.5	22.4	22.7	26.0	28.1	30.9	39.9	58.8	97.2	325.8
2000		24.4*	10.5*	23.8*	16.2	18.9	22.8	22.8	24.4	26.9	34.3	49.7	85.7	305.5

<b>EU25 (European Union - 25 countries): 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 85	– / 39	–
35–69	244 / 779	46 / 397	22 years
70+	263 / 1350	102 / 1802	8 years
<b>All ages</b>	<b>507 / 2214</b>	<b>148 / 2238</b>	<b>14 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

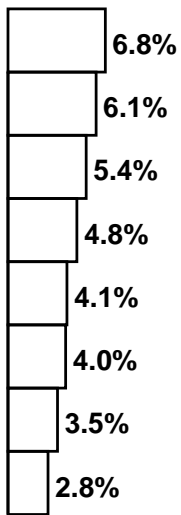
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.2	80/87	75/83	156/171	–/0.1	16/24	19/29	34/53
All Cancer	–/6.6	124/276 (45%)	114/343 (33%)	239/626	–/5.7	20/181 (11%)	26/306 ( 9%)	46/493
Vascular	–/4.9	68/244	67/597	135/846	–/2.5	13/101	35/924	48/1028
Respiratory	–/2.0	19/38	59/156	79/195	–/1.2	6.2/18	28/160	34/179
All Other	–/72	32/221	22/254	54/548	–/29	6.9/97	13/412	20/538
<b>All Causes</b>	<b>–/85</b>	<b>244/779 (31%)</b>	<b>263/1350 (19%)</b>	<b>507/2214</b>	<b>–/39</b>	<b>46/397 (11%)</b>	<b>102/1802 ( 6%)</b>	<b>148/2238</b>

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	239 / 626 (38%)	46 / 493 ( 9%)	285 / 1119 (25%)
All Causes	507 / 2214 (23%)	148 / 2238 ( 7%)	655 / 4452 (15%)

1965-2000: EU25 (European Union - 25 countries)

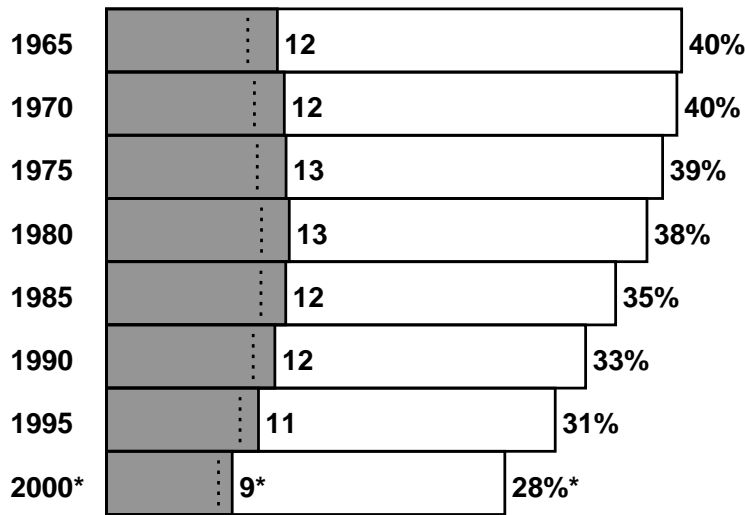
Population risk of dying at ages 0-34



Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)

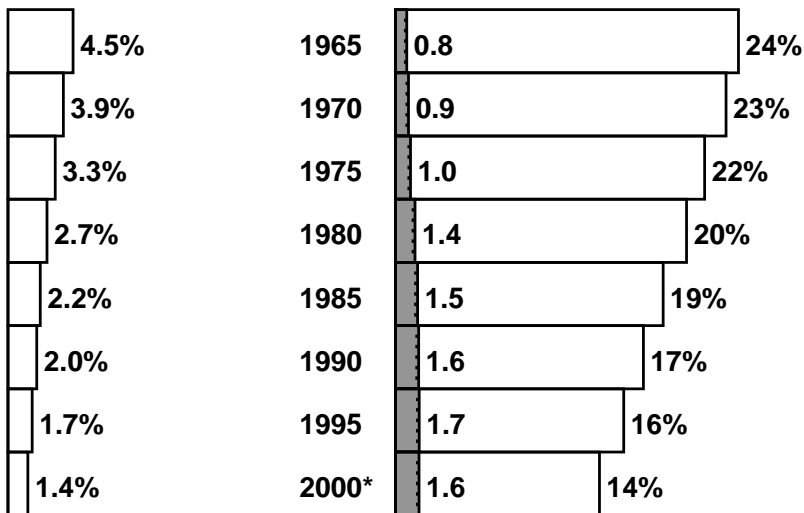
\*eg, at year 2000 male death rates, out of 100 men aged 35, 28 would die before age 70 (with 9 of these deaths attributed to smoking)

MALE



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

FEMALE



<b>EU25 (European Union - 25 countries): 1960-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	-/227	273/914 (30%)	120/987 (12%)	393/2128	-/147	19/593 (3%)	14/1248 (1%)	34/1988
1970	-/203	296/955 (31%)	172/1071 (16%)	469/2229	-/123	23/593 (4%)	22/1387 (2%)	45/2103
1975	-/177	299/934 (32%)	232/1202 (19%)	532/2313	-/101	27/559 (5%)	32/1527 (2%)	59/2187
1980	-/156	300/887 (34%)	258/1285 (20%)	559/2328	-/83	33/508 (7%)	42/1621 (3%)	75/2212
1985	-/133	301/846 (36%)	281/1353 (21%)	581/2331	-/67	38/463 (8%)	60/1741 (3%)	98/2271
1990	-/129	312/888 (35%)	253/1283 (20%)	565/2301	-/59	44/473 (9%)	73/1729 (4%)	116/2262
1995	-/111	290/863 (34%)	266/1323 (20%)	556/2296	-/49	45/439 (10%)	93/1786 (5%)	138/2274
2000	-/85	244/779 (31%)	263/1350 (19%)	507/2214	-/39	46/397 (11%)	102/1802 (6%)	148/2238

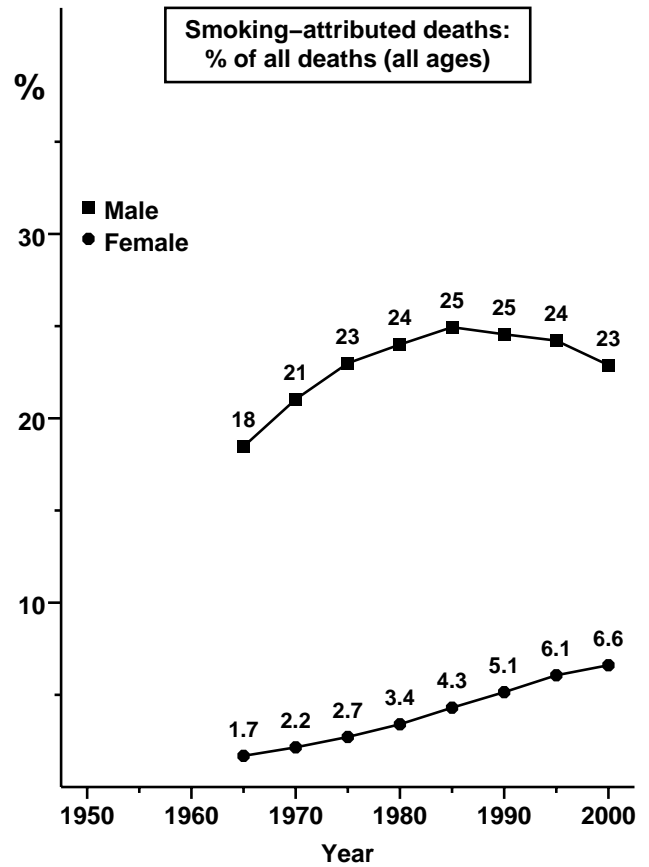
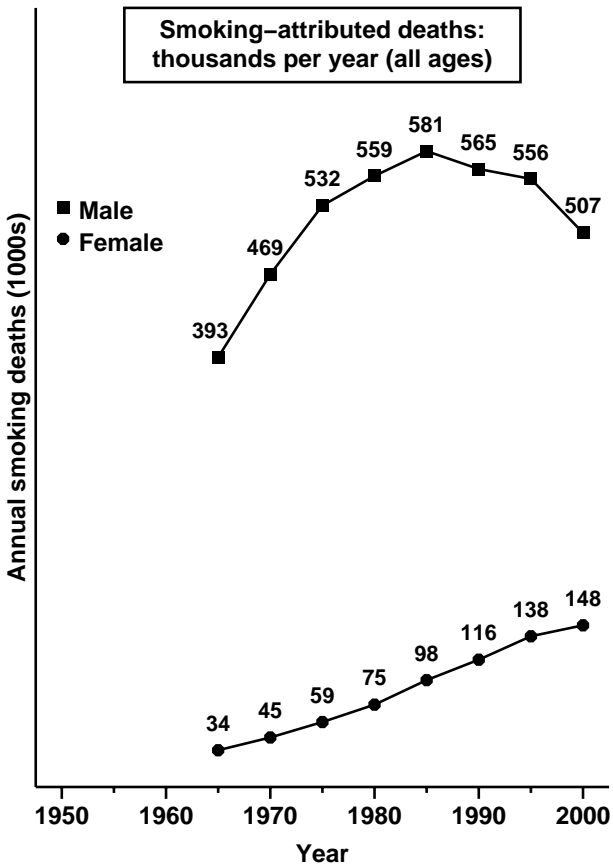
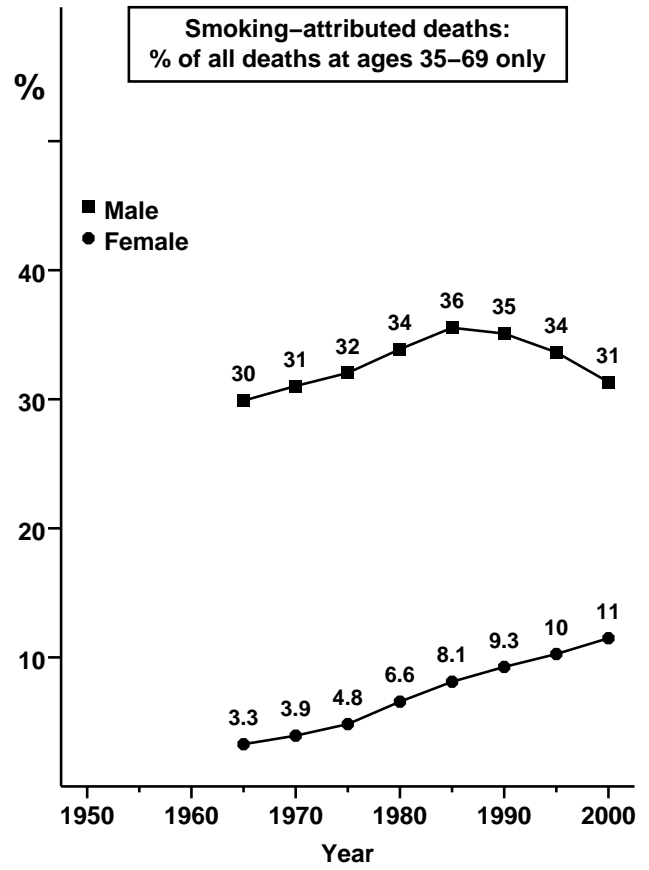
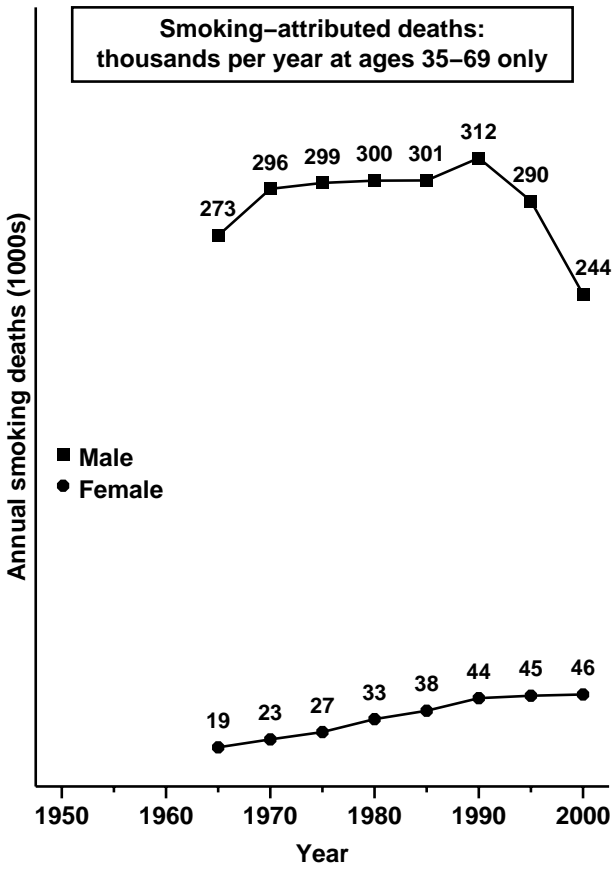
**40-year total\* (M=millions), mid-1960 to mid-2000: 24/ 178M**

**1960-2000 by age & sex:**

-/6.5M	12/36M	9.0/49M	21/91M	-/3.6M	1.3/21M	2.0/63M	3.3/87M
	(33%)	(18%)			(6%)	(3%)	

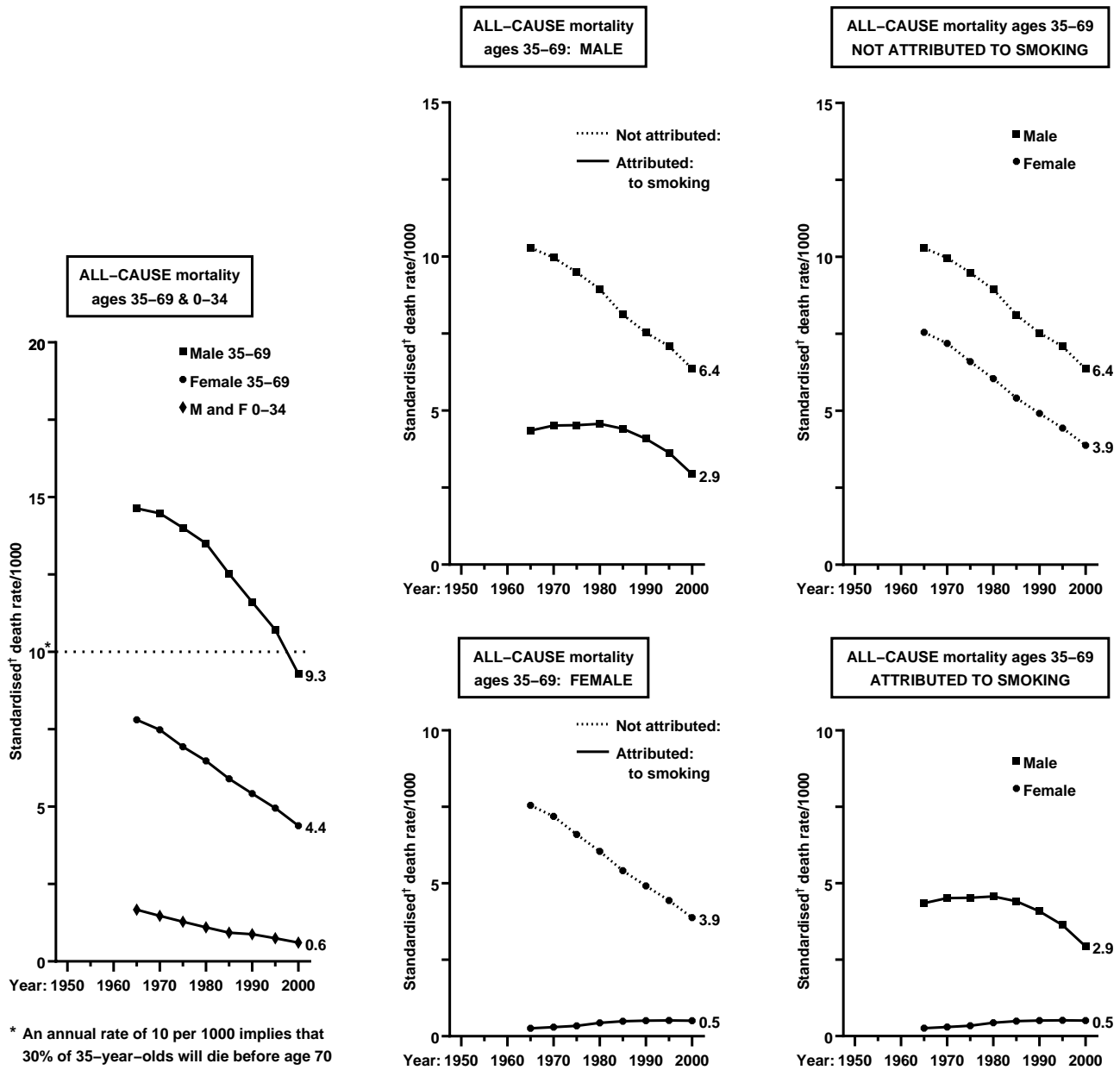
\*Estimated as 10 times the sum of the annual numbers for 1965, 1975, 1985 & 1995

1965-2000: EU25 (European Union - 25 countries)



**EU25 (European Union - 25 countries): 1965-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

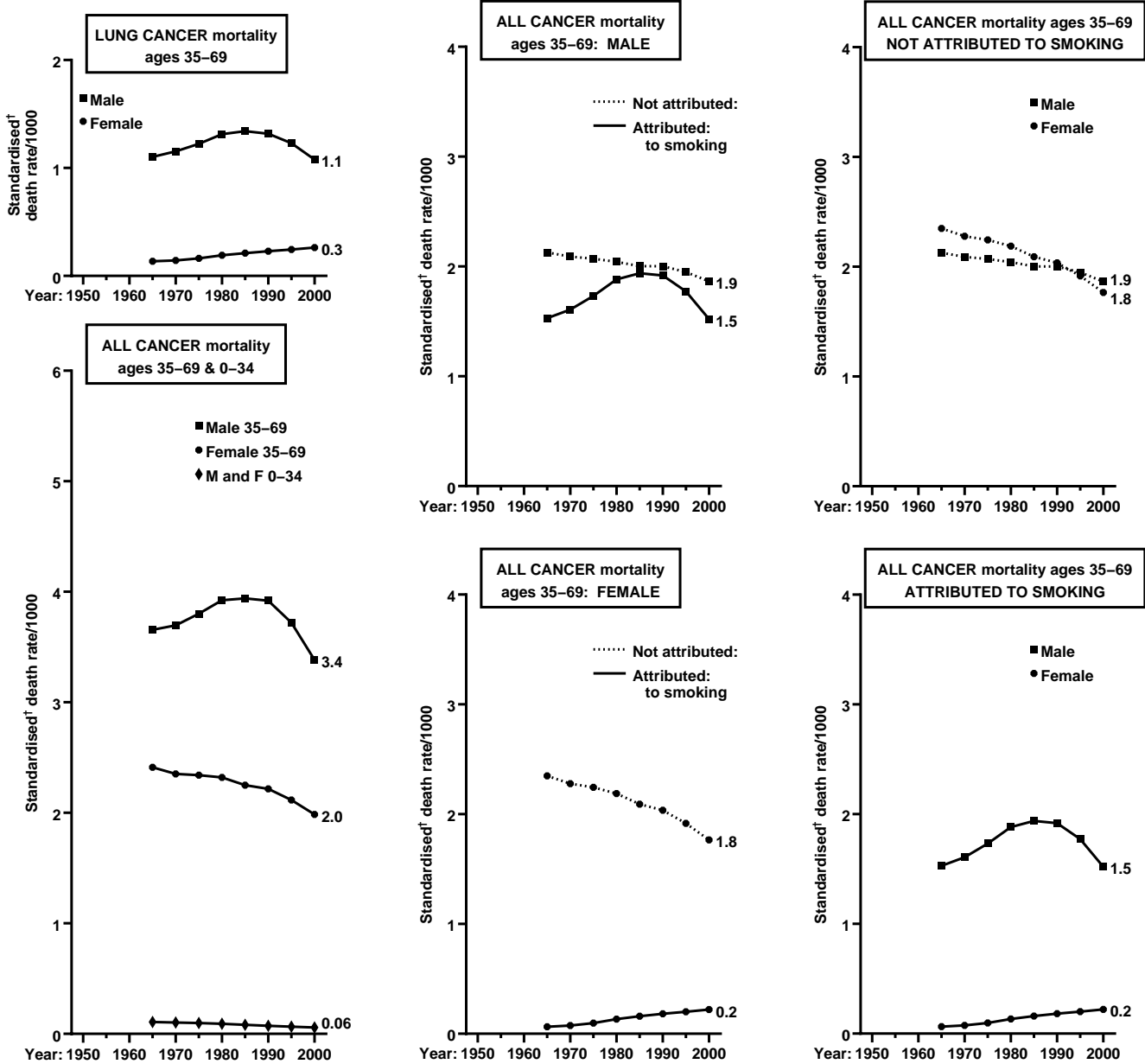
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1965	-	2.01	4.35	10.3	11.0	67.2	-	1.33	0.26	7.55	0.76	53.2	-	1.12	0.29	7.19	0.96	50.4
1970	-	1.81	4.51	9.96	14.3	64.0	-	0.96	0.34	6.59	1.21	47.3	-	0.79	0.43	6.04	1.35	41.3
1975	-	1.60	4.52	9.48	16.8	61.9	-	0.65	0.49	5.41	1.75	37.9	-	0.58	0.51	4.91	2.01	32.7
1980	-	1.41	4.57	8.94	16.0	56.2	-	0.49	0.51	4.44	2.27	29.0	-	0.49	0.51	4.44	2.27	29.0
1985	-	1.20	4.41	8.11	16.0	53.2	-	0.40	0.51	3.88	2.16	25.6	-	0.40	0.51	3.88	2.16	25.6
1990	-	1.17	4.08	7.53	13.8	46.6	-	0.40	0.51	3.88	2.16	25.6	-	0.40	0.51	3.88	2.16	25.6
1995	-	1.00	3.63	7.08	12.8	42.0	-	0.40	0.51	3.88	2.16	25.6	-	0.40	0.51	3.88	2.16	25.6
2000	-	0.81	2.93	6.36	11.2	38.2	-	0.40	0.51	3.88	2.16	25.6	-	0.40	0.51	3.88	2.16	25.6

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1965-2000: EU25 (European Union - 25 countries)

ALL CANCER mortality rates attributed and not attributed to smoking



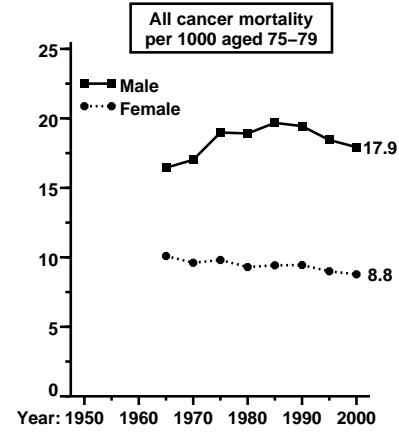
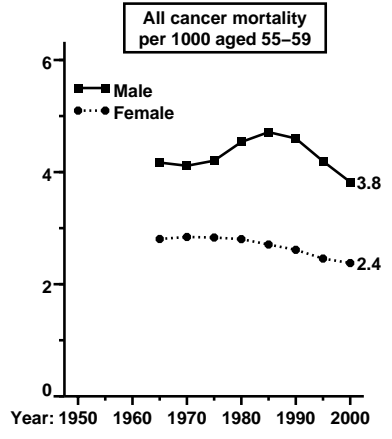
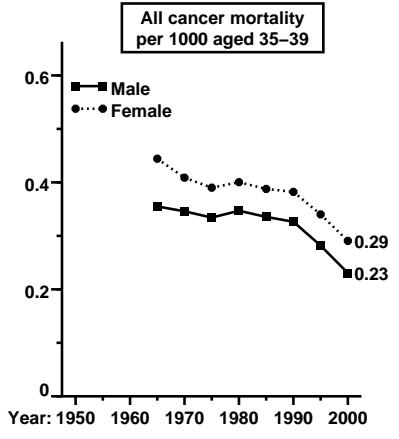
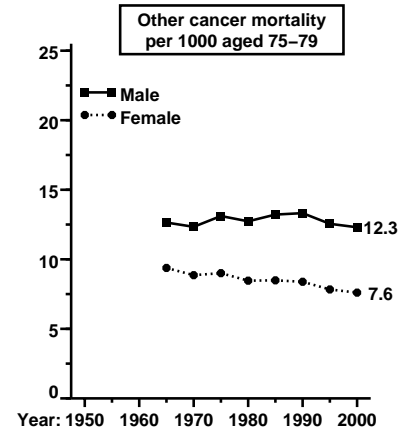
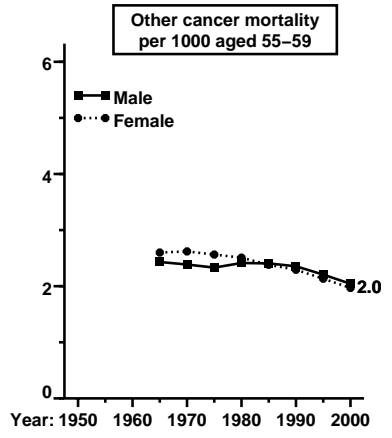
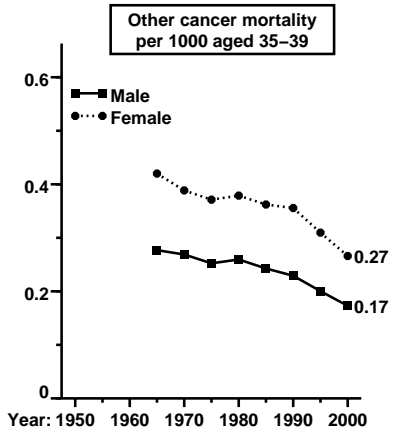
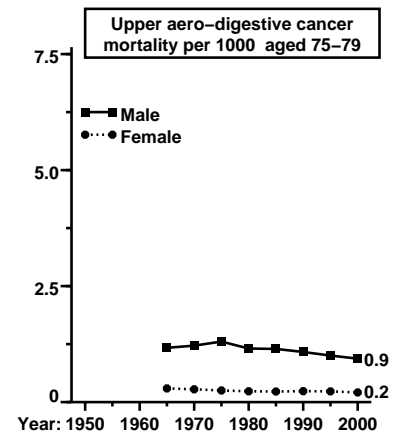
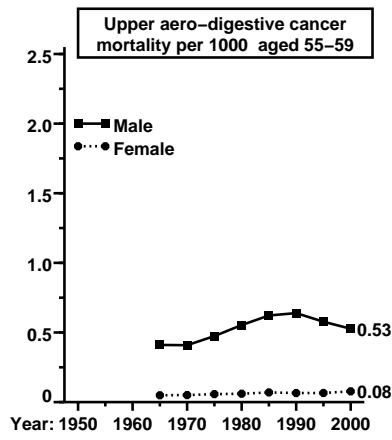
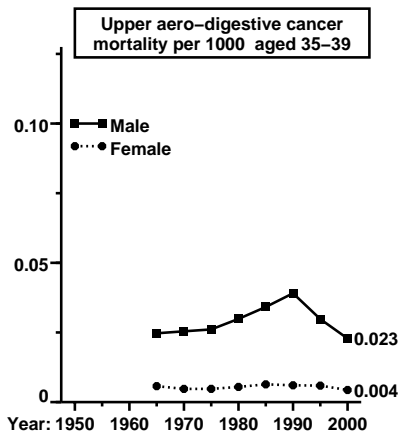
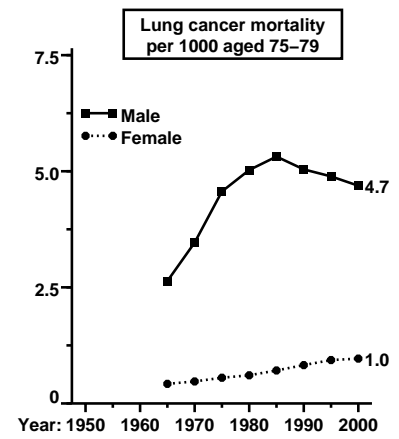
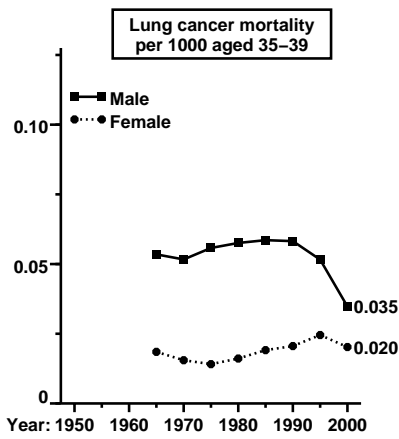
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1965	-	0.11	1.53	2.13	4.84	11.1	-	0.10	0.07	2.35	0.15	8.72	-	0.09	0.10	2.24	0.27	8.18
1970	-	0.11	1.61	2.09	6.05	10.6	-	0.09	0.10	2.24	0.27	8.18	-	0.08	0.13	2.19	0.35	7.77
1975	-	0.11	1.73	2.07	6.40	10.3	-	0.08	0.16	2.09	0.48	7.77	-	0.07	0.18	2.03	0.62	7.46
1980	-	0.10	1.88	2.04	6.63	10.5	-	0.07	0.18	2.03	0.62	7.46	-	0.07	0.20	1.92	0.74	7.19
1985	-	0.09	1.94	2.00	6.27	10.4	-	0.07	0.20	1.92	0.74	7.19	-	0.06	0.22	1.76	0.76	6.84
1990	-	0.08	1.92	2.00	6.27	10.4	-	0.07	0.22	1.76	0.76	6.84	-	0.06	0.22	1.76	0.76	6.84
1995	-	0.07	1.77	1.95	6.13	10.1	-	0.06	0.22	1.76	0.76	6.84	-	0.06	0.22	1.76	0.76	6.84
2000	-	0.06	1.52	1.86	5.70	9.88	-	0.05	0.22	1.76	0.76	6.84	-	0.05	0.22	1.76	0.76	6.84

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**EU25 (European Union - 25 countries): 1965-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

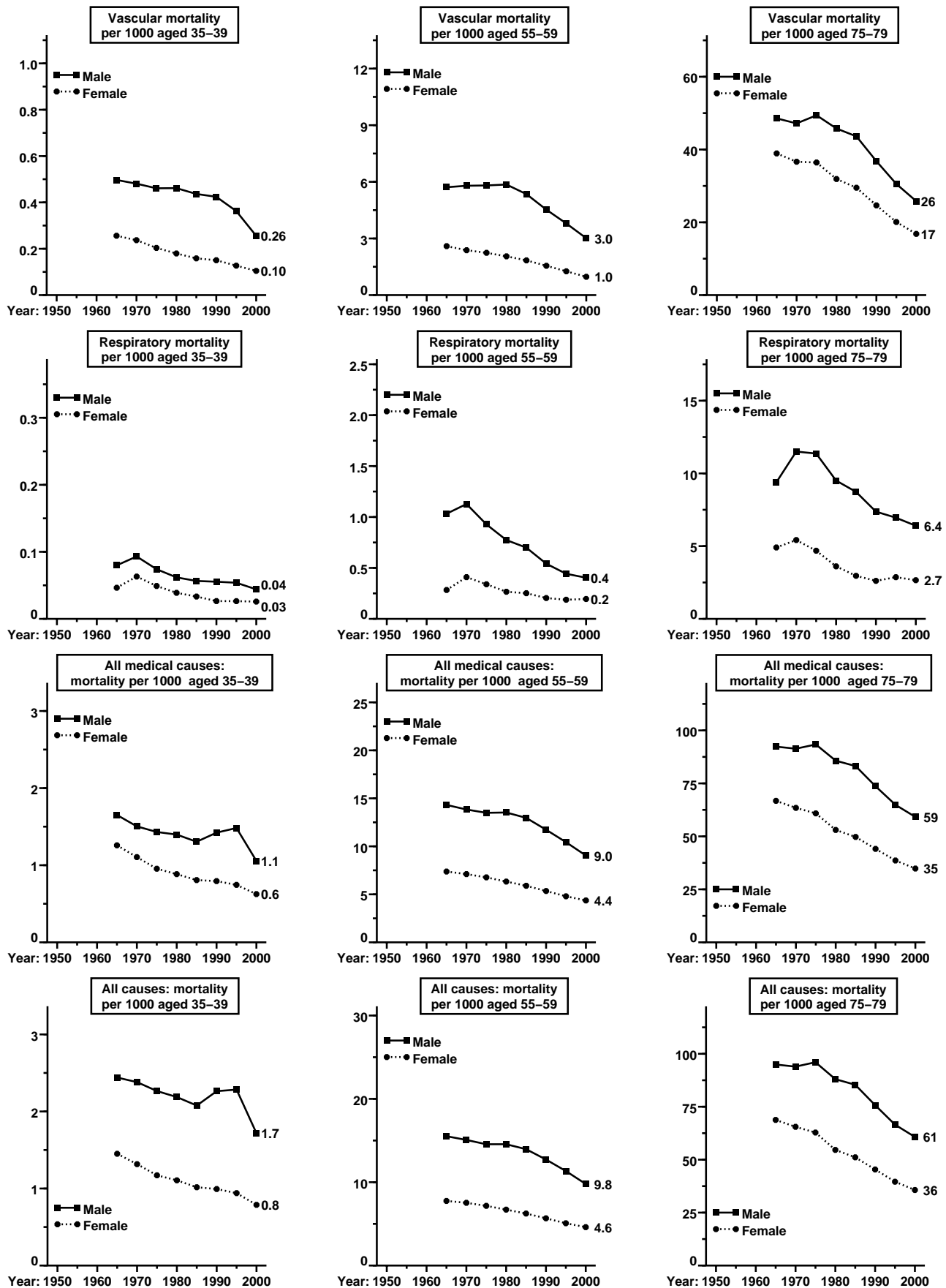


\* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000



1965-2000: EU25 (European Union - 25 countries)

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: 1965, 1970, 1975, 1980, 1985, 1990, 1995 and 2000

## AUSTRALIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	67058	4152	19691	719.4	87.4	647.3	132.0	14.1	17.8	74.0	109.2	134.8	129.9
	F	61726	2015	11474	461.6	43.2	367.3	108.6	11.3	12.1	33.2	40.2	46.8	50.5
Tuberculosis	M	33	-	8	0.4	-	0.3	-	-	-	-	-	-	-
	F	21	-	5	0.2	-	0.1	-	-	-	-	-	-	-
HIV	M	124	26	96	1.3	0.5	2.1	-	-	-	0.1	0.3	1.5	1.8
	F	10	3	6	0.1	0.1	0.1	-	-	-	-	-	-	0.4
Other infective and parasitic	M	714	42	195	7.6	0.9	6.0	2.7	0.3	0.4	0.7	0.6	0.3	1.1
	F	756	43	117	5.6	0.9	3.8	3.2	0.4	0.4	0.5	0.3	0.9	0.8
ALL CANCER	M	20279	252	7693	221.2	5.2	265.7	2.6	3.5	2.0	4.2	5.7	6.0	12.5
	F	15546	240	5821	135.6	5.0	185.1	2.1	2.4	3.3	2.9	5.4	5.7	12.9
Mouth and pharynx cancer	M	467	3	267	5.2	0.1	8.7	-	-	-	0.1	-	-	0.3
	F	203	5	85	1.8	0.1	2.6	-	-	-	0.2	0.2	0.1	0.3
Oesophagus cancer	M	683	2	316	7.5	0.0	10.7	-	-	-	-	-	-	0.3
	F	288	2	67	2.3	0.0	2.3	-	-	-	-	-	-	0.1
Stomach cancer	M	763	4	291	8.3	0.1	9.9	-	-	-	-	0.3	0.3	-
	F	426	3	128	3.5	0.1	4.0	-	-	-	-	0.3	-	0.1
Colorectal cancer	M	2569	13	1108	28.3	0.3	38.5	-	-	-	-	0.2	0.3	1.4
	F	2149	13	694	18.1	0.3	23.1	-	-	-	-	0.5	0.1	1.2
Liver cancer	M	388	9	179	4.3	0.2	6.1	-	-	0.3	0.1	0.2	0.1	0.6
	F	110	2	40	0.9	0.0	1.4	-	-	-	-	0.2	-	0.1
Pancreas cancer	M	872	2	391	9.6	0.0	13.5	-	-	-	-	-	-	0.3
	F	876	3	226	7.2	0.1	7.8	-	-	-	-	-	-	0.4
Larynx cancer	M	203	-	104	2.3	-	3.5	-	-	-	-	-	-	-
	F	36	-	18	0.3	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	4594	5	1866	50.5	0.1	67.1	-	-	-	-	-	-	0.3
	F	2317	1	943	21.1	0.0	31.6	-	-	-	-	-	-	0.1
Malignant melanoma	M	617	15	281	6.7	0.3	8.8	-	-	-	0.3	0.3	0.4	1.1
	F	354	17	164	3.2	0.3	4.6	-	-	-	-	0.6	0.6	1.2
Female breast cancer	F	2521	33	1327	23.6	0.6	38.6	-	-	-	-	0.2	0.7	3.6
Cervix cancer	F	265	14	140	2.5	0.3	4.0	-	-	-	-	0.2	0.6	1.2
Other uterine cancer	F	261	1	97	2.3	0.0	3.4	-	-	-	-	0.2	-	-
Ovarian cancer	F	787	8	349	7.2	0.2	11.2	-	0.1	0.1	-	0.2	-	0.7
Prostate cancer	M	2665	-	408	28.1	-	15.9	-	-	-	-	-	-	-
Bladder cancer	M	570	-	111	6.1	-	4.1	-	-	-	-	-	-	-
	F	249	-	33	1.8	-	1.1	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	3803	117	1580	41.6	2.4	52.3	1.5	2.3	0.7	2.2	2.3	2.5	5.5
	F	3035	86	980	25.7	1.8	31.6	1.4	1.9	2.2	1.1	2.0	1.6	2.4
Hodgkin's disease	M	37	3	15	0.4	0.1	0.4	-	-	-	-	-	-	0.4
	F	31	3	8	0.3	0.1	0.3	-	-	-	0.2	-	0.1	0.1
Myeloma and non-Hodgkin lymphomas	M	1254	24	491	13.6	0.5	16.5	-	0.1	-	0.4	0.6	0.6	1.7
	F	1069	7	353	9.1	0.1	11.6	-	-	0.1	0.2	0.2	0.3	0.3
Leukaemia	M	794	55	285	8.6	1.2	9.7	1.1	1.1	1.0	1.0	1.9	1.2	0.8
	F	569	42	169	4.8	0.9	5.4	0.6	0.3	0.7	1.4	0.8	1.4	0.9
Diabetes	M	1591	10	497	17.2	0.2	17.2	-	-	-	0.1	0.3	0.1	0.8
	F	1418	14	301	11.0	0.3	10.5	-	-	0.1	0.2	0.6	0.3	0.8
ALL VASCULAR DISEASE	M	23778	175	5548	253.4	3.6	189.5	1.5	0.7	0.9	2.6	1.9	7.1	10.7
	F	26055	105	2256	173.8	2.2	76.8	1.9	0.7	0.3	0.8	1.4	4.0	5.9
Rheumatic heart disease and fever	M	98	5	28	1.1	0.1	1.0	-	-	-	0.3	-	0.4	-
	F	161	8	43	1.3	0.2	1.4	-	-	-	-	0.2	0.6	0.4
Hypertensive disease	M	457	3	82	4.8	0.1	2.8	-	-	-	-	-	0.1	0.3
	F	750	3	63	5.0	0.1	2.2	-	0.1	-	-	0.2	-	0.1
Ischaemic heart disease	M	14069	57	3805	150.8	1.2	129.7	0.2	-	-	0.3	0.9	1.6	5.2
	F	12537	12	1140	84.6	0.2	39.7	-	-	-	0.2	-	0.3	1.2
Pulmonary embolism and other venous	M	219	6	59	2.3	0.1	1.9	-	-	-	-	-	0.4	0.4
	F	329	6	66	2.5	0.1	2.1	-	-	-	0.2	0.2	0.1	0.4
Cerebrovascular disease	M	4909	25	761	51.7	0.5	26.8	-	0.1	0.1	0.1	0.3	1.3	1.5
	F	7437	22	545	48.5	0.4	18.0	0.2	-	-	-	0.5	1.0	1.5
Other vascular disease	M	4026	79	813	42.7	1.6	27.2	1.4	0.6	0.7	1.9	0.6	3.1	3.2
	F	4841	54	399	31.9	1.1	13.4	1.7	0.6	0.3	0.5	0.5	2.0	2.3
Chronic obstructive pulmonary disease	M	3538	32	713	37.6	0.7	25.8	0.2	0.7	0.3	0.3	0.6	0.9	1.7
	F	2463	24	549	19.4	0.5	19.4	-	0.4	0.3	-	0.3	1.1	1.2
Other respiratory disease	M	2449	33	377	25.9	0.7	13.2	2.0	-	-	0.3	0.3	0.4	1.8
	F	2538	28	193	16.7	0.6	6.6	1.9	0.1	0.1	0.5	0.3	0.3	0.9
Peptic ulcer	M	234	2	60	2.5	0.0	2.0	-	-	-	-	-	-	0.3
	F	237	1	30	1.6	0.0	1.0	-	-	-	-	-	-	0.1
Liver cirrhosis	M	651	7	475	7.3	0.1	14.2	-	-	-	-	-	-	0.4
	F	261	7	154	2.6	0.1	4.3	-	-	-	-	-	-	0.6
Renal disease	M	901	6	99	9.4	0.1	3.5	-	0.1	-	-	-	-	0.3
	F	1072	7	107	7.3	0.1	3.7	-	-	-	0.2	0.2	0.3	0.4
Pregnancy, birth	F	13	7	6	0.1	0.1	0.1	-	-	-	0.2	0.2	0.4	0.3
Congenital and perinatal causes	M	687	601	61	8.1	12.9	1.7	83.3	0.4	0.7	2.2	1.4	1.5	1.0
	F	582	497	59	7.0	11.2	1.6	71.7	1.6	1.2	1.2	0.8	1.1	0.7
Ill-defined causes	M	337	139	112	3.7	3.0	3.0	14.6	0.1	0.1	1.0	1.4	1.6	1.8
	F	304	81	34	2.5	1.8	1.0	9.7	0.1	0.3	0.5	0.9	0.7	0.4
Other medical causes	M	6156	511	1472	65.2	10.7	45.7	9.2	2.1	3.3	9.8	16.1	19.5	15.2
	F	7863	245	1039	55.3	5.2	32.9	7.6	2.2	2.1	4.0	6.9	6.3	7.3
ALL NON-MEDICAL CAUSES	M	5586	2316	2285	58.7	48.6	56.2	15.9	6.1	10.1	52.5	80.6	95.1	80.1
	F	2587	713	797	22.8	15.1	20.2	10.5	3.1	3.9	22.5	22.9	25.0	17.9
Road traffic accidents	M	1284	697	455	13.5	14.7	11.4	2.4	2.3	4.6	26.0	28.9	22.3	16.3
	F	526	241	183	5.3	5.2	4.7	2.7	1.3	2.1	10.3	8.5	7.3	3.9
Fire	M	61	15	23	0.6	0.3	0.6	0.6	0.4	-	0.1	0.6	0.1	0.3
	F	37	10	12	0.4	0.2	0.3	1.0	0.1	0.1	-	-	0.1	0.1
Suicide	M	1883	743	958	19.7	15.6	23.2	-	-	1.1	13.3	27.6	33.4	33.5
	F	505	185	266	5.1	3.9	6.4	-	-	0.1	6.6	5.5	8.3	6.5
Homicide	M	189	86	95	2.0	1.8	2.3	1.4	0.6	0.4	2.2	2.0	3.2	2.8
	F	114	67	41	1.2	1.4	0.9	0.6	0.6	0.3	1.7	2.5	1.9	2.3
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				9409.7	4795.7	3922.8	662.3	707.7	703.0	684.0	647.7	680.5	710.5	
				9662.0	4699.4	3999.7	630.0	670.7	670.3	653.1	634.2	699.2	741.9	

## 2000: AUSTRALIA

Annual death rates / 100,000 (zero denoted by -)											9th ICD/10th ICD categories	
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
152.4	189.0	248.1	390.4	632.2	1071.6	1847.0	3168.0	5277.3	12036.4	M	ALL CAUSES	001-999/A00-Y89
74.6	103.2	154.4	240.1	392.2	600.3	1006.8	1720.0	2959.2	9731.1	F		
-	-	-	0.3	0.2	0.3	1.2	2.4	3.7	5.3	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.1	-	-	0.3	0.4	-	-	1.5	0.7	2.6	F		
4.0	3.8	2.8	1.0	2.1	0.8	0.6	0.7	-	-	M	HIV	279.5, 279.6/B20-B24
0.4	0.1	0.1	-	-	0.3	-	-	0.4	-	F		
1.5	4.2	2.7	4.0	4.7	12.4	12.4	24.0	57.6	150.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.3	1.2	2.0	2.7	3.2	5.7	11.2	15.8	42.2	120.8	F		
18.9	37.9	71.2	153.9	285.5	479.1	813.5	1256.2	1739.1	2638.2	M	ALL CANCER	140-208/C00-C97
25.7	46.5	82.1	139.3	225.5	316.5	460.3	661.7	879.0	1372.7	F		
0.6	1.1	4.3	7.2	11.6	14.0	22.0	27.1	25.3	34.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	0.9	1.3	2.6	2.9	3.4	6.8	8.8	7.5	17.9	F		
0.6	1.8	3.0	7.6	11.1	20.7	30.4	37.5	59.5	68.6	M	Oesophagus cancer	150/C15
0.3	0.3	0.4	1.1	3.2	4.2	6.5	10.6	17.4	38.4	F		
0.4	2.2	3.0	6.9	9.7	15.0	32.3	50.3	62.8	99.7	M	Stomach cancer	151/C16
0.7	1.5	1.3	3.9	3.6	6.5	10.9	13.4	31.2	46.3	F		
3.0	4.6	9.1	20.6	40.6	79.3	112.0	156.5	200.9	299.6	M	Colorectal cancer	153, 154/C18-C21
1.7	2.7	8.9	12.6	29.9	45.4	60.2	87.8	129.2	224.3	F		
0.1	1.1	2.7	3.7	5.6	9.3	20.5	26.0	30.0	32.2	M	Liver cancer	155.0/C22 excl C221
0.1	0.5	0.1	0.5	1.1	2.6	4.7	2.4	7.1	11.4	F		
1.1	1.4	3.3	9.2	15.3	20.0	44.4	49.3	72.6	96.0	M	Pancreas cancer	157/C25
0.1	0.8	1.8	4.5	8.6	14.0	24.7	45.9	67.4	87.0	F		
-	0.4	1.2	2.6	3.7	7.5	9.3	13.9	14.1	15.3	M	Larynx cancer	161/C32
-	0.3	-	0.3	0.4	1.3	2.1	1.8	1.1	2.6	F		
1.7	5.2	10.8	29.5	72.2	132.0	218.1	325.6	428.1	459.4	M	Lung cancer	162/C33, C34
1.6	3.5	10.1	21.0	38.1	57.6	89.0	132.7	143.4	151.2	F		
2.2	3.4	4.2	6.9	9.7	16.1	18.9	38.2	44.5	61.2	M	Malignant melanoma	172/C43
2.8	2.4	3.5	3.4	5.5	7.5	7.3	13.4	15.3	24.4	F		
8.0	17.0	27.5	41.2	51.8	61.5	63.2	89.3	99.4	166.9	F	Female breast cancer	174/C50
1.6	2.3	3.9	2.9	4.0	6.0	7.1	11.2	8.5	14.2	F	Cervix cancer	180/C53
0.1	0.4	0.4	1.3	4.0	6.2	11.5	10.0	17.0	23.3	F	Other uterine cancer	179, 182/C54, C55
1.3	2.3	4.2	8.7	14.3	21.8	25.6	35.2	45.8	52.6	F	Ovarian cancer	183/C56, C570-C574
-	-	0.9	4.0	11.8	25.1	69.2	162.8	278.7	629.2	M	Prostate cancer	185/C61
-	0.3	0.7	1.6	3.5	7.0	15.5	41.3	52.9	119.7	M	Bladder cancer	188/C67
0.3	-	0.6	0.2	1.5	1.0	4.4	9.1	13.5	42.1	F		
5.0	11.5	19.0	38.7	59.0	90.2	143.0	212.1	293.2	458.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.9	7.1	12.4	22.0	38.3	49.3	87.3	123.6	172.1	306.1	F	Hodgkin's disease	201/C81
0.7	0.3	-	0.6	0.2	0.3	0.6	2.1	2.3	4.2	M		
-	0.1	0.1	0.2	0.2	0.3	0.9	1.8	1.1	3.1	F		
1.9	3.5	5.2	10.0	19.2	28.0	47.8	68.4	109.1	163.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.7	2.2	3.5	9.9	13.3	19.2	32.3	44.9	70.3	103.2	F	Leukaemia	204-208/C91-C95
1.7	1.1	3.7	4.7	12.4	14.5	29.5	45.1	65.1	97.6	M		
1.2	2.2	1.9	3.1	4.8	8.8	16.2	19.7	31.9	57.7	F		
1.5	1.4	5.1	12.4	14.6	30.3	54.9	95.8	130.7	279.0	M	Diabetes	250/E10-E14
0.8	0.7	3.2	5.3	7.6	17.1	39.1	58.0	85.9	190.4	F		
22.1	39.0	64.5	104.6	179.0	323.8	593.2	1121.1	2052.9	5507.4	M	ALL VASCULAR DISEASE	390-459/I00-I99
9.3	14.2	23.5	35.9	69.3	126.6	258.8	586.1	1205.8	5220.6	F		
-	-	0.3	0.8	1.4	1.0	3.1	3.8	8.4	19.0	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.7	0.9	1.0	0.8	1.3	5.0	6.7	8.5	18.2	F		
0.3	0.3	1.5	1.3	2.9	4.1	9.3	26.4	32.3	119.7	M	Hypertensive disease	401-405/I10-I15
0.3	0.1	0.7	1.0	1.9	2.9	8.5	18.5	33.0	150.7	F		
13.5	25.0	44.1	75.4	124.8	228.4	396.8	710.9	1202.8	2948.8	M	Ischaemic heart disease	410-414/I20-I25
2.9	4.9	10.1	17.3	37.1	64.1	141.9	333.7	619.2	2427.8	F		
0.4	1.0	1.0	0.8	1.9	2.1	6.2	6.6	25.3	42.7	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.4	0.7	1.0	1.1	2.9	4.2	4.1	6.7	20.2	50.6	F		
3.3	4.8	7.6	11.4	21.9	43.8	94.9	213.1	441.7	1353.4	M	Cerebrovascular disease	430-438/I60-I69
2.8	5.0	6.7	9.7	15.6	30.9	55.2	140.0	320.8	1564.8	F		
4.5	8.0	9.9	14.8	26.2	44.3	82.8	160.4	342.4	1023.7	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.9	2.8	4.1	5.8	10.9	23.3	44.1	80.5	204.0	1008.5	F		
1.2	2.0	2.8	7.2	20.6	46.7	107.4	210.0	352.7	756.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.9	1.9	3.5	6.8	19.8	31.4	70.5	109.9	156.1	309.3	F		
1.4	3.2	3.4	5.2	12.4	21.0	45.9	86.4	207.5	710.4	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
0.4	1.2	2.5	2.7	6.5	10.4	22.3	45.6	95.8	539.2	F		
0.1	0.6	1.2	0.6	2.5	2.6	6.5	13.9	16.4	51.2	M	Peptic ulcer	531-533/K25-K27
-	0.4	0.6	0.5	0.6	1.3	3.5	5.5	9.2	46.0	F		
1.8	6.3	11.1	12.2	19.6	24.1	24.5	27.8	21.1	23.2	M	Liver cirrhosis	571/K70, K74
0.9	2.2	3.5	5.8	5.7	6.5	5.6	12.1	9.2	9.7	F		
0.6	0.8	1.3	1.0	1.9	4.7	14.6	22.2	94.6	279.5	M	Renal disease	580-590/N00-N19
0.3	0.5	1.0	2.1	2.9	6.0	12.9	20.0	62.1	203.8	F		
0.5	0.1	0.1	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
1.4	1.5	1.2	0.8	2.5	1.8	2.5	3.5	2.8	4.7	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
2.0	0.7	0.7	1.0	2.7	1.3	2.9	1.2	3.2	3.7	F	Ill-defined causes	780-799/R00-R99
3.2	1.5	2.4	2.9	3.9	4.1	2.8	4.9	6.1	31.1	M		
0.5	0.4	0.7	0.2	1.1	1.8	2.6	4.3	4.6	46.0	F		
19.4	19.7	21.8	33.2	39.8	70.8	115.4	223.5	488.5	1311.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
10.2	9.7	13.9	22.5	28.8	54.5	90.8	160.3	352.4	1437.7	F		
75.4	67.1	56.5	51.1	42.9	49.0	51.5	75.7	103.5	288.0	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
21.2	23.3	16.8	15.0	18.1	21.0	26.1	38.0	52.5	228.5	F		
15.7	11.7	12.0	9.2	8.3	10.4	12.4	11.8	19.2	30.1	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.5	4.5	4.4	3.7	4.2	6.0	5.9	9.1	12.8	10.2	F		
0.4	0.4	0.4	1.1	0.2	0.8	0.9	3.1	4.2	2.6	M	Fire	E890-E899/X00-X09
0.1	0.1	0.4	0.3	0.2	0.3	0.9	1.5	0.7	2.3	F		
32.4	29.9	23.8	21.9	16.7	18.1	19.5	22.9	24.4	33.8	M	Suicide	E950-E959/X60-X84
9.0	8.6	5.1	5.3	5.3	5.7	5.6	6.4	5.3	5.1	F		
2.5	3.5	3.0	1.6	1.4	2.3	1.9	1.7	0.5	1.1	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.9	1.1	1.2	0.6	0.4	0.5	0.9	0.3	1.1	0.6	F		
725.5	715.2	668.6	620.7	484.8	385.7	322.3	288.1	213.5	189.6	M	POPULATION	
753.7	741.5	684.6	619.0	475.0	385.5	340.4	329.3	281.8	351.8	F	(1000s; UN, 2004 revision)	

<b>AUSTRALIA: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4554	352	9	5	338	31	48	169	19	1692	2243
35-69	Sm.	5546	2812	1885	370	557	635	63	1426	-	610	-
	Total	21621	7888	2115	686	5087	895	314	7054	537	3010	1923
		(26%)	(36%)	(89%)	(54%)	(11%)	(71%)	(20%)	(20%)		(20%)	
70+	Sm.	8053	3396	2241	315	840	2030	115	1928	-	584	-
	Total	39979	10620	2503	564	7553	2918	1156	18624	149	5810	702
		(20%)	(32%)	(90%)	(56%)	(11%)	(70%)	(10%)	(10%)		(10%)	
Any age	Sm.	13599	6208	4126	685	1397	2665	178	3354	-	1194	-
	Total	66154	18860	4627	1255	12978	3844	1518	25847	705	10512	4868
		(21%)	(33%)	(89%)	(55%)	(11%)	(69%)	(12%)	(13%)		(11%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4152	252	5	5	242	32	33	175	7	1337	2316
35-69	Sm.	4259	2379	1610	325	444	463	62	921	-	434	-
	Total	19691	7693	1866	687	5140	713	377	5548	475	2600	2285
		(22%)	(31%)	(86%)	(47%)	(9%)	(65%)	(16%)	(17%)		(17%)	
70+	Sm.	8224	3726	2419	358	949	1921	189	1736	-	652	-
	Total	43215	12334	2723	661	8950	2793	2039	18055	169	6840	985
		(19%)	(30%)	(89%)	(54%)	(11%)	(69%)	(9%)	(10%)		(10%)	
Any age	Sm.	12483	6105	4029	683	1393	2384	251	2657	-	1086	-
	Total	67058	20279	4594	1353	14332	3538	2449	23778	651	10777	5586
		(19%)	(30%)	(88%)	(50%)	(10%)	(67%)	(10%)	(11%)		(10%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	8868.6	4755.5	3546.8	704.0	663.0	618.6	491.6	401.7	345.7	322.2	256.3	165.0	145.0
2000	9409.7	4795.7	3922.8	725.5	715.2	668.6	620.7	484.8	385.7	322.3	288.1	213.5	189.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	66154	4554	21621	1144	1276	1721	2188	3056	4685	7551	9895	9951	20133
2000	67058	4152	19691	1106	1352	1659	2423	3065	4133	5953	9127	11267	22821
<b>Lung cancer</b>													
1995	4627	9	2115	16	27	109	194	325	560	884	1004	695	804
2000	4594	5	1866	12	37	72	183	350	509	703	938	914	871
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	844.9*	95.2*	791.1*	162.5	192.5	278.2	445.1	760.8	1355.2	2343.6	3860.7	6030.9	13884.8
2000	719.4*	87.4*	647.3*	152.4	189.0	248.1	390.4	632.2	1071.6	1847.0	3168.0	5277.3	12036.4
<b>All cancer</b>													
1995	242.9*	7.3*	299.6*	21.2	43.9	84.4	165.4	300.2	559.4	922.7	1369.9	1745.5	2916.6
2000	221.2*	5.2*	265.7*	18.9	37.9	71.2	153.9	285.5	479.1	813.5	1256.2	1739.1	2638.2
<b>Lung cancer</b>													
1995	59.7*	0.2*	83.0*	2.3	4.1	17.6	39.5	80.9	162.0	274.4	391.7	421.2	554.5
2000	50.5*	0.1*	67.1*	1.7	5.2	10.8	29.5	72.2	132.0	218.1	325.6	428.1	459.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	16.2*	0.1*	25.7*	2.1	3.0	7.4	19.9	28.4	41.1	77.9	88.6	94.5	124.8
2000	15.0*	0.1*	23.0*	1.1	3.4	8.5	17.4	26.4	42.3	61.7	78.4	98.8	118.1
<b>Other cancer</b>													
1995	166.9*	7.0*	190.9*	16.8	36.8	59.3	106.0	190.9	356.4	570.5	889.6	1229.7	2237.2
2000	155.6*	5.0*	175.7*	16.1	29.4	51.9	107.0	186.9	304.9	533.7	852.1	1212.2	2060.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	49.5*	0.7*	36.5*	1.3	1.4	4.4	8.1	26.6	66.0	147.4	295.0	472.1	953.8
2000	37.6*	0.7*	26.8*	1.2	2.0	2.8	7.2	20.6	46.7	107.4	210.0	352.7	756.9
<b>Other respiratory disease</b>													
1995	19.7*	1.0*	11.7*	1.6	2.6	3.9	7.3	7.7	19.1	40.0	76.1	152.7	489.0
2000	25.9*	0.7*	13.2*	1.4	3.2	3.4	5.2	12.4	21.0	45.9	86.4	207.5	710.4
<b>Vascular disease</b>													
1995	335.9*	3.5*	268.0*	23.6	40.6	74.4	144.4	256.4	474.4	862.5	1606.7	2721.2	6907.6
2000	253.4*	3.6*	189.5*	22.1	39.0	64.5	104.6	179.0	323.8	593.2	1121.1	2052.9	5507.4
<b>Liver cirrhosis</b>													
1995	9.1*	0.4*	18.3*	4.1	6.9	10.5	15.3	24.9	33.8	32.6	26.9	28.5	22.8
2000	7.3*	0.1*	14.2*	1.8	6.3	11.1	12.2	19.6	24.1	24.5	27.8	21.1	23.2
<b>Other medical causes</b>													
1995	132.6*	35.6*	103.1*	45.6	43.3	52.7	58.4	90.4	154.5	276.8	421.8	813.3	2335.9
2000	115.4*	28.4*	81.6*	31.7	33.6	38.6	56.2	72.2	127.8	211.0	390.8	800.5	2112.3
<b>All non-medical causes</b>													
1995	55.2*	46.7*	53.9*	65.2	53.8	48.0	46.2	54.5	48.0	61.5	64.4	97.6	259.3
2000	58.7*	48.6*	56.2*	75.4	67.1	56.5	51.1	42.9	49.0	51.5	75.7	103.5	288.0

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: AUSTRALIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2161	270	3	6	261	29	47	96	10	1024	685
35-69	Sm.	1815	773	613	62	98	368	27	408	-	239	-
	Total	12025	5954	870	160	4924	622	182	2739	168	1666	694
		(15%)	(13%)	(70%)	(39%)	(2%)	(59%)	(15%)	(15%)		(14%)	
70+	Sm.	4622	1190	849	151	190	1190	85	1592	-	565	-
	Total	44766	8297	1103	328	6866	1821	1285	24015	103	8477	768
		(10%)	(14%)	(77%)	(46%)	(3%)	(65%)	(7%)	(7%)		(7%)	
Any age	Sm.	6437	1963	1462	213	288	1558	112	2000	-	804	-
	Total	58952	14521	1976	494	12051	2472	1514	26850	281	11167	2147
		(11%)	(14%)	(74%)	(43%)	(2%)	(63%)	(7%)	(7%)		(7%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2015	240	1	7	232	24	28	105	7	898	713
35-69	Sm.	1734	818	662	64	92	319	28	327	-	242	-
	Total	11474	5821	943	170	4708	549	193	2256	154	1704	797
		(15%)	(14%)	(70%)	(38%)	(2%)	(58%)	(15%)	(14%)		(14%)	
70+	Sm.	4967	1434	1058	161	215	1234	145	1524	-	630	-
	Total	48237	9485	1373	350	7762	1890	2317	23694	100	9674	1077
		(10%)	(15%)	(77%)	(46%)	(3%)	(65%)	(6%)	(6%)		(7%)	
Any age	Sm.	6701	2252	1720	225	307	1553	173	1851	-	872	-
	Total	61726	15546	2317	527	12702	2463	2538	26055	261	12276	2587
		(11%)	(14%)	(74%)	(43%)	(2%)	(63%)	(7%)	(7%)		(7%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	9072.3	4658.6	3582.9	723.8	673.2	612.5	477.7	394.7	352.6	348.4	310.8	232.9	287.1
2000	9662.0	4699.4	3999.7	753.7	741.5	684.6	619.0	475.0	385.5	340.4	329.3	281.8	351.8
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	58952	2161	12025	497	709	1040	1346	1707	2538	4188	6389	8238	30139
2000	61726	2015	11474	562	765	1057	1486	1863	2314	3427	5664	8339	34234
<b>Lung cancer</b>													
1995	1976	3	870	9	31	63	117	121	211	318	392	337	374
2000	2317	1	943	12	26	69	130	181	222	303	437	404	532
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	520.1*	46.4*	425.7*	68.7	105.3	169.8	281.8	432.5	719.8	1202.1	2055.7	3537.1	10497.7
2000	461.6*	43.2*	367.3*	74.6	103.2	154.4	240.1	392.2	600.3	1006.8	1720.0	2959.2	9731.1
<b>All cancer</b>													
1995	147.0*	5.6*	209.6*	24.2	51.7	94.0	163.3	235.6	367.3	531.0	707.9	922.7	1375.1
2000	135.6*	5.0*	185.1*	25.7	46.5	82.1	139.3	225.5	316.5	460.3	661.7	879.0	1372.7
<b>Lung cancer</b>													
1995	20.6*	0.1*	31.8*	1.2	4.6	10.3	24.5	30.7	59.8	91.3	126.1	144.7	130.3
2000	21.1*	0.0*	31.6*	1.6	3.5	10.1	21.0	38.1	57.6	89.0	132.7	143.4	151.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	4.8*	0.1*	5.9*	0.4	0.6	1.0	4.6	7.6	13.0	14.1	24.5	37.4	57.5
2000	4.4*	0.1*	5.5*	0.7	1.5	1.8	4.0	6.5	8.8	15.3	21.3	25.9	58.8
<b>Other cancer</b>													
1995	121.6*	5.4*	171.9*	22.5	46.5	82.8	134.2	197.4	294.4	425.7	557.3	740.7	1187.4
2000	110.1*	4.8*	148.1*	23.5	41.5	70.3	114.2	180.8	250.1	356.1	507.7	709.7	1162.6
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	22.9*	0.6*	23.9*	0.6	1.5	3.6	7.7	21.5	46.5	86.1	139.3	188.9	330.2
2000	19.4*	0.5*	19.4*	1.9	1.9	3.5	6.8	19.8	31.4	70.5	109.9	156.1	309.3
<b>Other respiratory disease</b>													
1995	12.4*	1.0*	6.4*	1.9	1.2	2.6	4.4	5.8	9.6	18.9	41.2	67.4	348.3
2000	16.7*	0.6*	6.6*	0.4	1.2	2.5	2.7	6.5	10.4	22.3	45.6	95.8	539.2
<b>Vascular disease</b>													
1995	216.3*	2.0*	102.2*	8.8	14.4	23.0	46.1	83.4	177.0	362.8	818.9	1678.4	6116.7
2000	173.8*	2.2*	76.8*	9.3	14.2	23.5	35.9	69.3	126.6	258.8	586.1	1205.8	5220.6
<b>Liver cirrhosis</b>													
1995	3.1*	0.2*	5.5*	1.4	2.7	2.8	6.3	8.6	6.0	10.9	11.6	14.2	11.8
2000	2.6*	0.1*	4.3*	0.9	2.2	3.5	5.8	5.7	6.5	5.6	12.1	9.2	9.7
<b>Other medical causes</b>													
1995	97.0*	22.5*	58.4*	15.5	14.6	22.7	33.7	60.0	95.9	166.8	300.8	614.0	2128.9
2000	90.6*	19.8*	54.9*	15.1	13.9	22.5	34.6	47.4	87.9	163.0	266.6	560.7	2051.2
<b>All non-medical causes</b>													
1995	21.4*	14.5*	19.7*	16.3	19.3	21.1	20.3	17.5	17.6	25.5	36.0	51.5	186.7
2000	22.8*	15.1*	20.2*	21.2	23.3	16.8	15.0	18.1	21.0	26.1	38.0	52.5	228.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>AUSTRALIA: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 4.2	– / 2.0	–
35–69	4.3 / 20	1.7 / 11	23 years
70+	8.2 / 43	5.0 / 48	8 years
<b>All ages</b>	<b>12 / 67</b>	<b>6.7 / 62</b>	<b>13 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.6/1.9	2.4/2.7	4.0/4.6	–/0.0	0.7/0.9	1.1/1.4	1.7/2.3
All Cancer	–/0.3	2.4/7.7 (31%)	3.7/12 (30%)	6.1/20	–/0.2	0.8/5.8 (14%)	1.4/9.5 (15%)	2.3/16
Vascular	–/0.2	0.9/5.5	1.7/18	2.7/24	–/0.1	0.3/2.3	1.5/24	1.9/26
Respiratory	–/0.1	0.5/1.1	2.1/4.8	2.6/6.0	–/0.1	0.3/0.7	1.4/4.2	1.7/5.0
All Other	–/3.7	0.4/5.4	0.7/8.0	1.1/17	–/1.6	0.2/2.7	0.6/11	0.9/15
<b>All Causes</b>	<b>–/4.2</b>	<b>4.3/20 (22%)</b>	<b>8.2/43 (19%)</b>	<b>12/67</b>	<b>–/2.0</b>	<b>1.7/11 (15%)</b>	<b>5.0/48 (10%)</b>	<b>6.7/62</b>

**Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	6.1 / 20 (30%)	2.3 / 16 (14%)	8.4 / 36 (23%)
All Causes	12 / 67 (19%)	6.7 / 62 (11%)	19 / 129 (15%)

1950-2000: AUSTRALIA

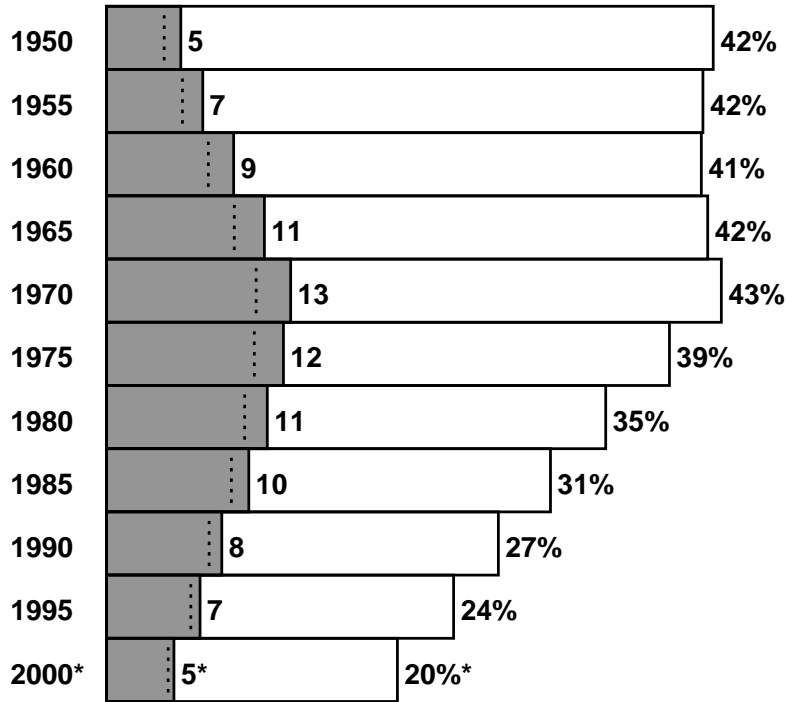
Population risk of dying at ages 0-34



Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)

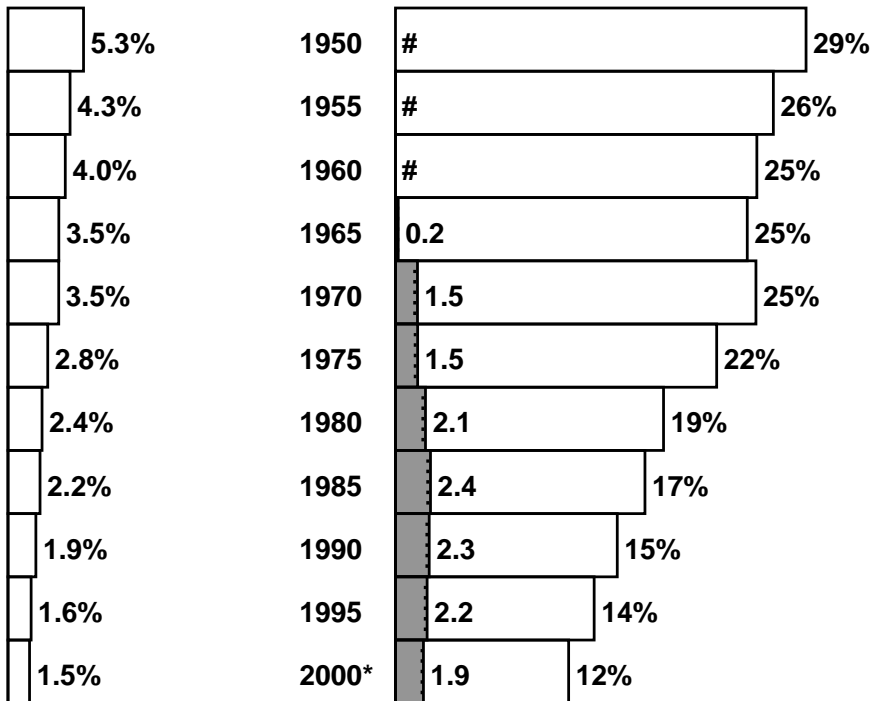
\*eg, at year 2000 male death rates, out of 100 men aged 35, 20 would die before age 70 (with 5 of these deaths attributed to smoking)

MALE



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

FEMALE



# Real risk too low to estimate reliably

<b>AUSTRALIA: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
<b>1950</b>	-/6.1	2.5/20 <b>(13%)</b>	0.3/18 <b>(2%)</b>	2.8/44	-/4.1	0.0/13	0.0/18	0.0/34
<b>1955</b>	-/6.1	3.4/21 <b>(17%)</b>	1.3/20 <b>(7%)</b>	4.7/46	-/3.7	0.0/12	0.0/20	0.0/36
<b>1960</b>	-/6.0	4.7/22 <b>(22%)</b>	1.9/22 <b>(9%)</b>	6.6/50	-/3.8	0.0/13	0.0/22	0.0/39
<b>1965</b>	-/5.9	6.5/25 <b>(26%)</b>	3.2/25 <b>(13%)</b>	9.7/56	-/3.6	0.1/14 <b>(0.8%)</b>	0.1/27 <b>(0.3%)</b>	0.2/44
<b>1970</b>	-/6.9	8.4/28 <b>(30%)</b>	4.9/28 <b>(18%)</b>	13/63	-/3.9	1.0/15 <b>(6%)</b>	0.3/31 <b>(0.8%)</b>	1.2/50
<b>1975</b>	-/6.3	8.6/28 <b>(31%)</b>	5.6/27 <b>(21%)</b>	14/61	-/3.2	1.0/15 <b>(7%)</b>	0.6/30 <b>(2%)</b>	1.6/48
<b>1980</b>	-/5.6	8.3/26 <b>(32%)</b>	6.6/29 <b>(23%)</b>	15/61	-/2.8	1.5/13 <b>(11%)</b>	1.2/32 <b>(4%)</b>	2.7/48
<b>1985</b>	-/5.6	7.7/24 <b>(32%)</b>	7.6/34 <b>(22%)</b>	15/64	-/2.8	1.8/13 <b>(14%)</b>	2.0/38 <b>(5%)</b>	3.9/54
<b>1990</b>	-/5.2	6.7/23 <b>(29%)</b>	7.3/35 <b>(21%)</b>	14/64	-/2.5	1.9/13 <b>(15%)</b>	3.1/40 <b>(8%)</b>	5.0/55
<b>1995</b>	-/4.6	5.5/22 <b>(26%)</b>	8.1/40 <b>(20%)</b>	14/66	-/2.2	1.8/12 <b>(15%)</b>	4.6/45 <b>(10%)</b>	6.4/59
<b>2000</b>	-/4.2	4.3/20 <b>(22%)</b>	8.2/43 <b>(19%)</b>	12/67	-/2.0	1.7/11 <b>(15%)</b>	5.0/48 <b>(10%)</b>	6.7/62

**50-year total\* (thousands), mid-1950 to mid-2000: 697 / 5337**

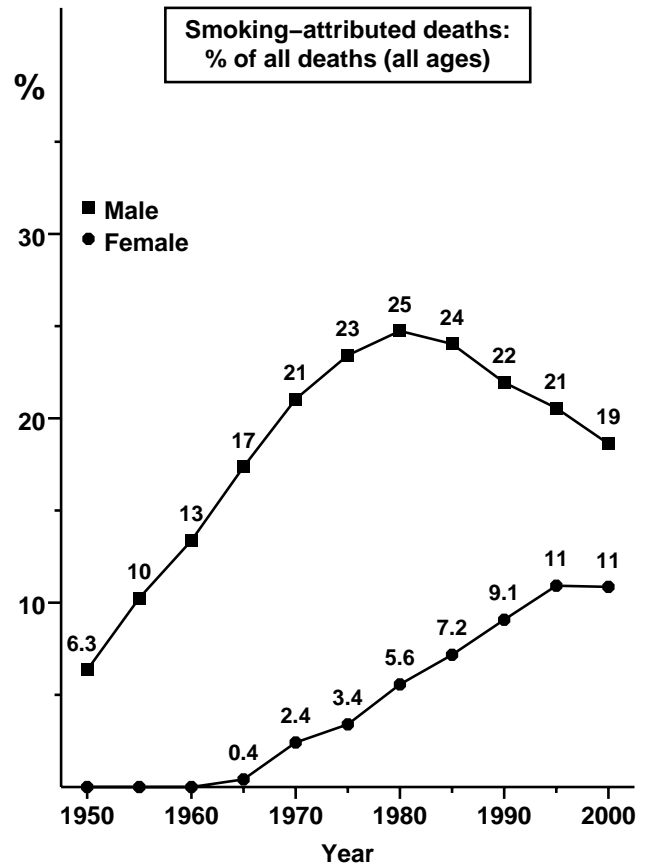
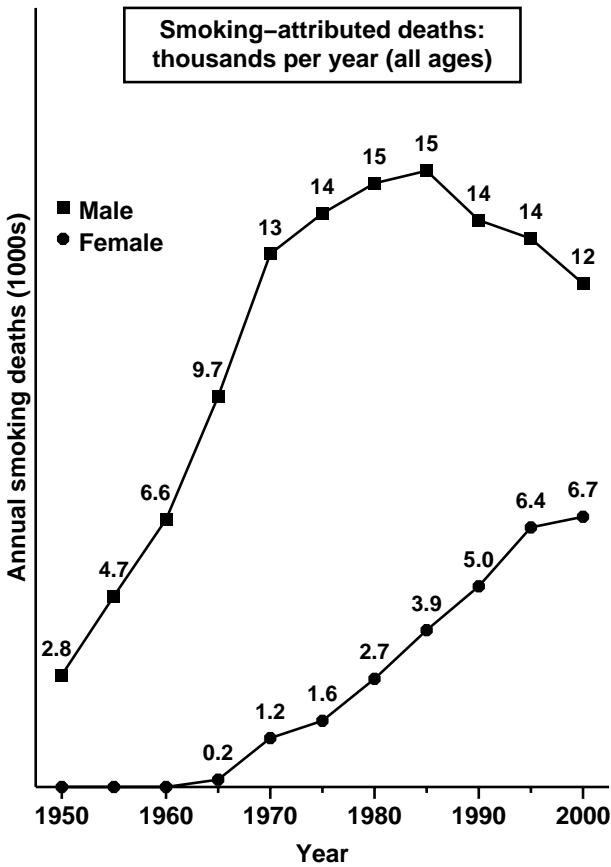
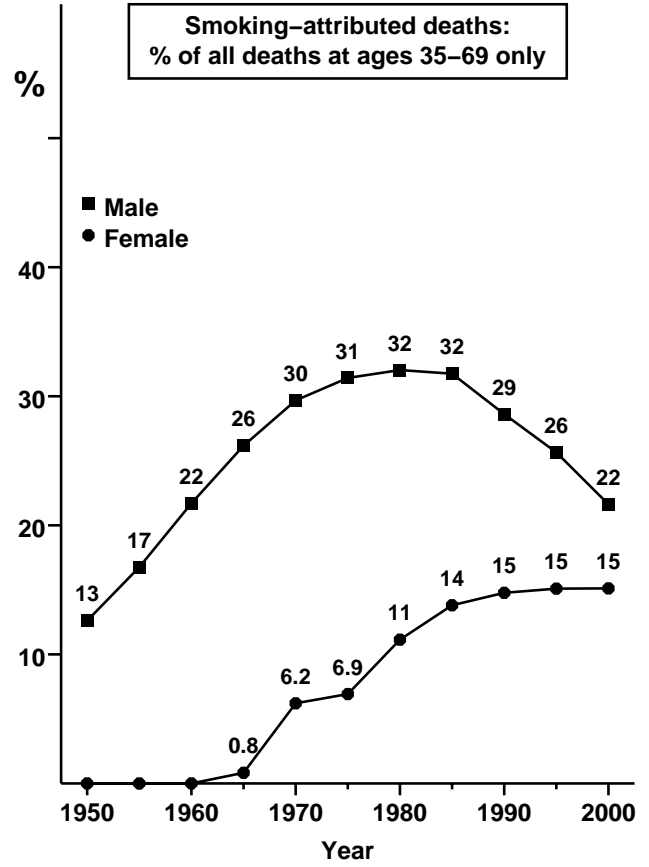
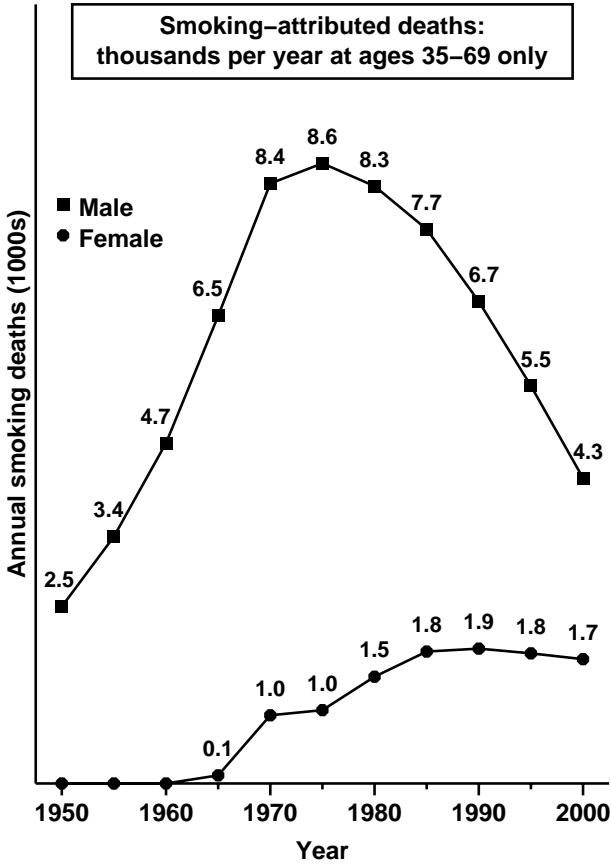
**1950-2000 by age & sex:**

-/285	319/1190 <b>(27%)</b>	256/1450 <b>(18%)</b>	575/2924	-/156	48/663 <b>(7%)</b>	74/1594 <b>(5%)</b>	121/2413
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

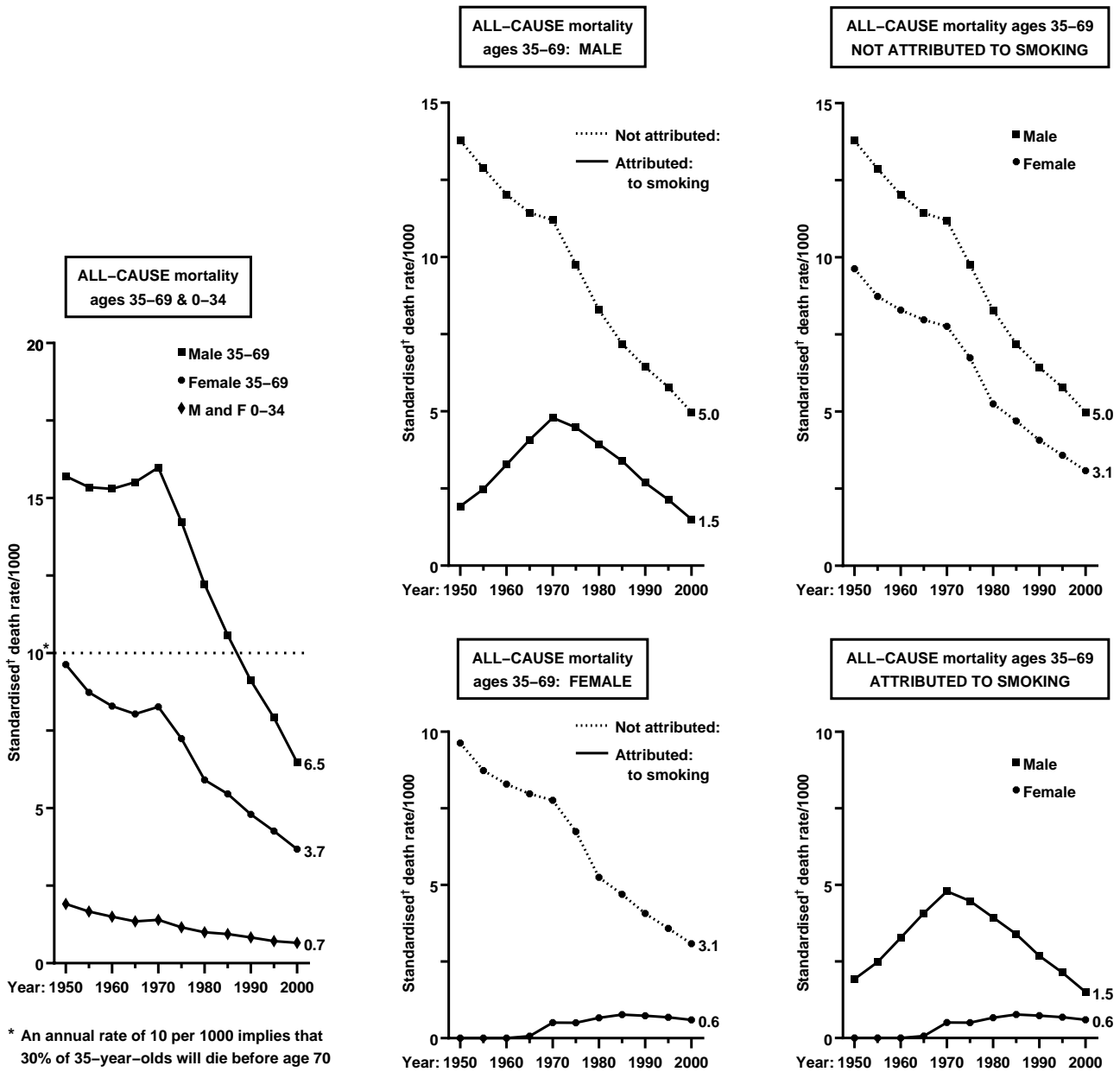


1950-2000: AUSTRALIA



**AUSTRALIA: 1950-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

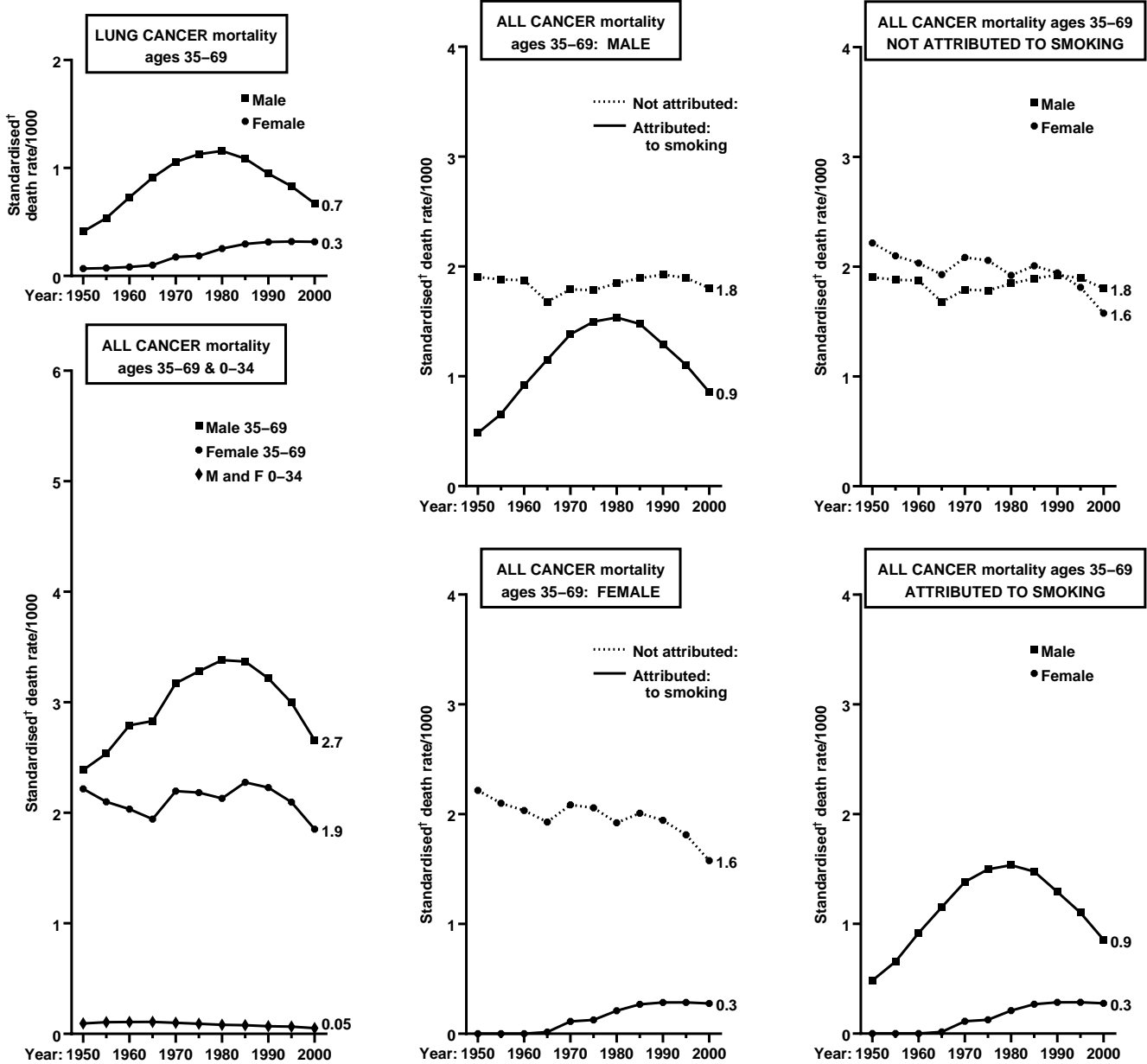
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950	-	2.27	1.92	13.8	1.64	81.0	-	1.55	0.00	9.63	0.00	57.1				
1955	-	2.06	2.48	12.9	5.89	74.0	-	1.26	0.00	8.73	0.00	53.9				
1960	-	1.83	3.27	12.0	7.63	72.6	-	1.16	0.00	8.29	0.00	49.7				
1965	-	1.66	4.07	11.4	11.5	69.9	-	1.03	0.06	7.97	0.22	49.0				
1970	-	1.76	4.79	11.2	16.6	69.0	-	1.03	0.50	7.76	0.61	49.0				
1975	-	1.51	4.47	9.76	17.0	57.3	-	0.80	0.50	6.74	1.08	41.1				
1980	-	1.30	3.93	8.28	17.0	51.1	-	0.69	0.66	5.25	1.77	34.1				
1985	-	1.23	3.39	7.18	15.5	47.7	-	0.65	0.77	4.69	2.58	32.0				
1990	-	1.09	2.68	6.43	12.4	42.0	-	0.56	0.73	4.07	3.29	27.6				
1995	-	0.95	2.13	5.78	11.4	38.0	-	0.46	0.68	3.58	3.93	24.0				
2000	-	0.87	1.50	4.97	9.32	32.9	-	0.43	0.59	3.08	3.42	20.0				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: AUSTRALIA

ALL CANCER mortality rates attributed and not attributed to smoking



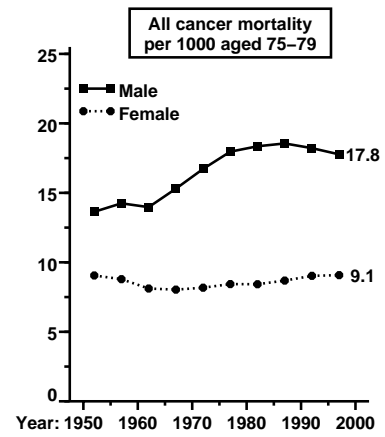
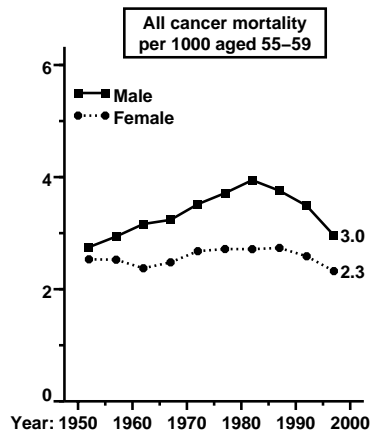
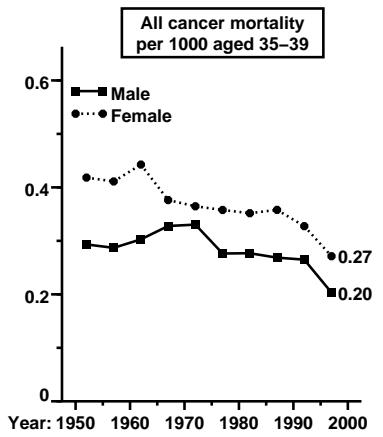
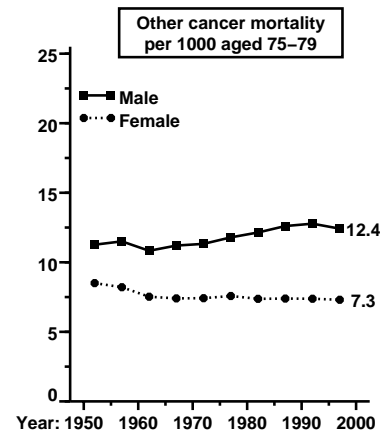
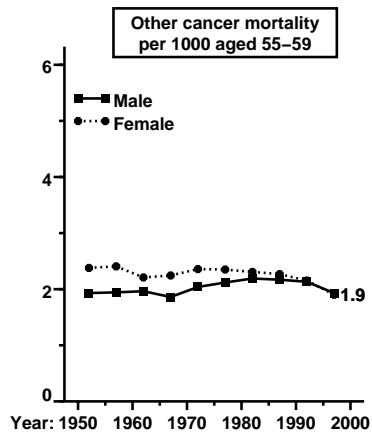
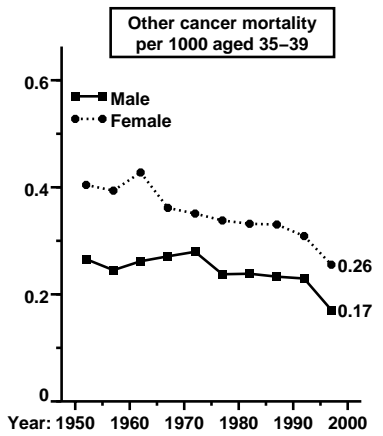
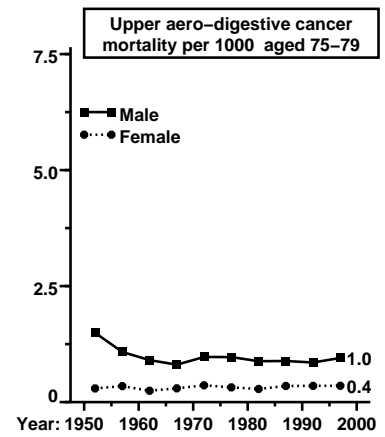
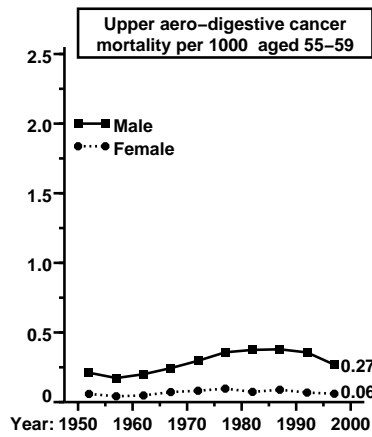
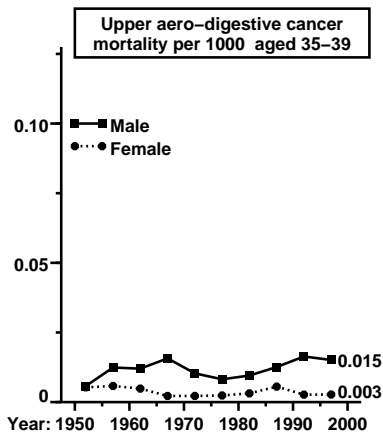
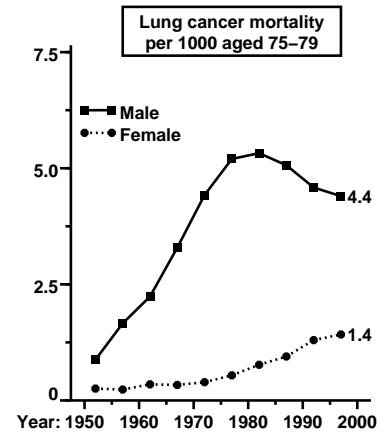
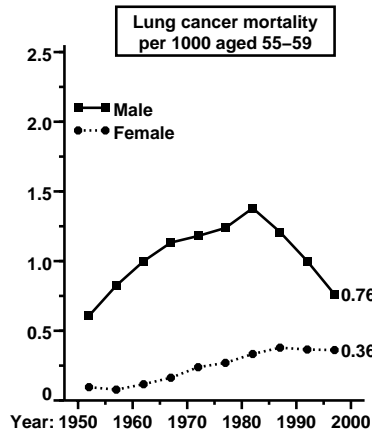
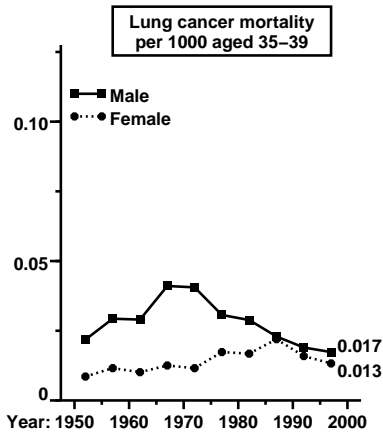
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	0.10	0.48	1.90	0.47	11.2	-	0.08	0.00	2.22	0.00	7.58		
1955	-	0.11	0.66	1.88	1.83	9.91	-	0.10	0.00	2.10	0.00	7.74		
1960	-	0.11	0.92	1.87	2.26	9.43	-	0.10	0.00	2.03	0.00	6.84		
1965	-	0.12	1.15	1.68	3.50	9.38	-	0.10	0.01	1.93	0.04	6.97		
1970	-	0.11	1.38	1.79	4.90	9.40	-	0.09	0.11	2.08	0.12	6.88		
1975	-	0.10	1.50	1.78	5.85	9.18	-	0.08	0.13	2.06	0.26	6.95		
1980	-	0.08	1.53	1.85	6.36	9.28	-	0.08	0.21	1.92	0.49	6.87		
1985	-	0.08	1.48	1.89	6.12	9.88	-	0.08	0.27	2.01	0.72	6.96		
1990	-	0.07	1.29	1.92	5.40	10.1	-	0.06	0.28	1.94	1.02	6.75		
1995	-	0.07	1.10	1.89	5.37	10.2	-	0.06	0.28	1.81	1.37	6.78		
2000	-	0.05	0.86	1.80	4.92	10.1	-	0.05	0.28	1.58	1.36	6.34		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**AUSTRALIA: 1950-2000**

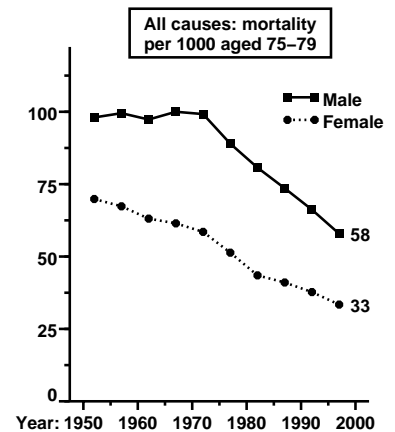
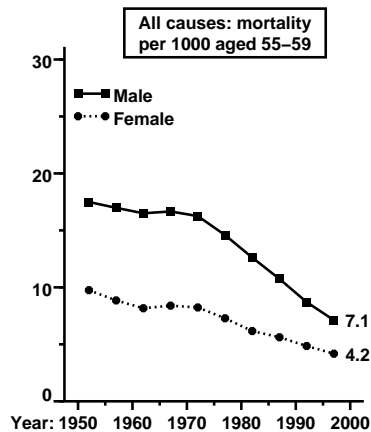
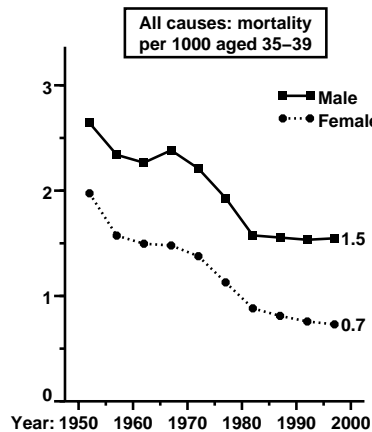
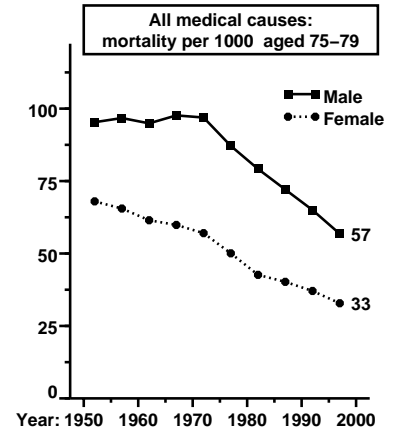
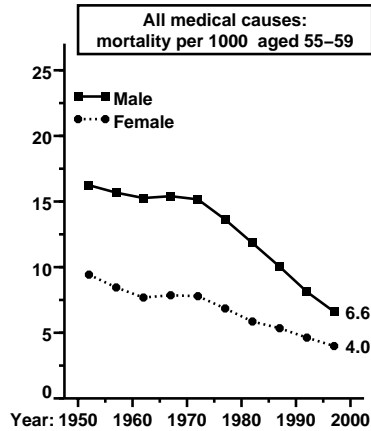
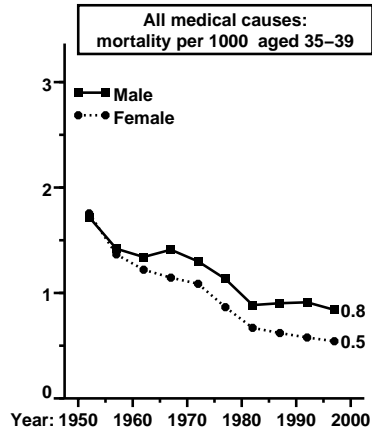
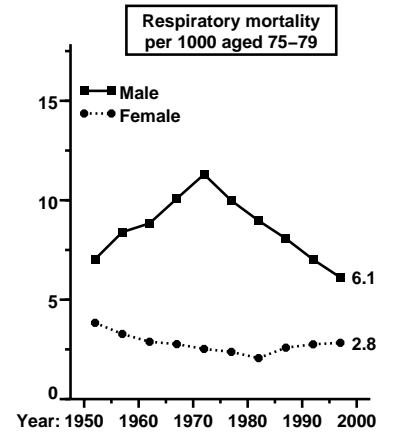
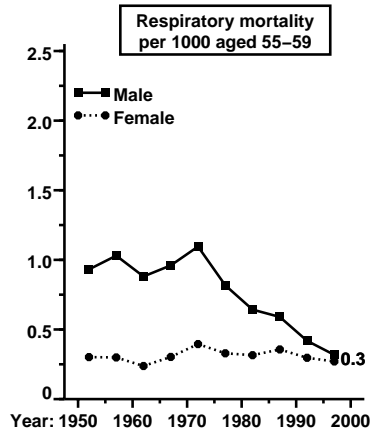
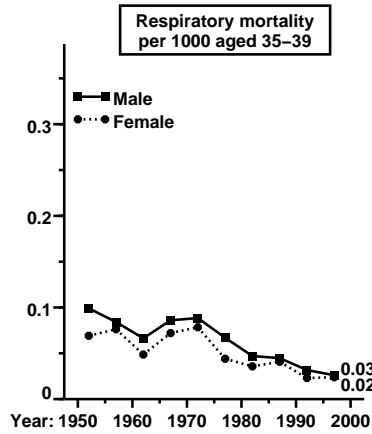
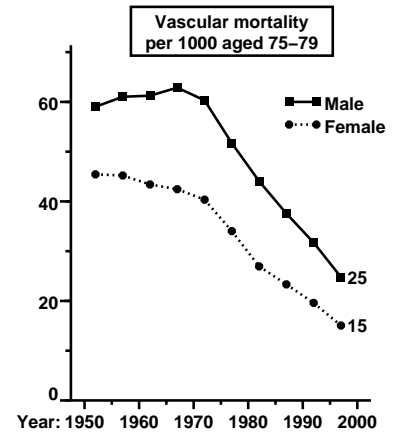
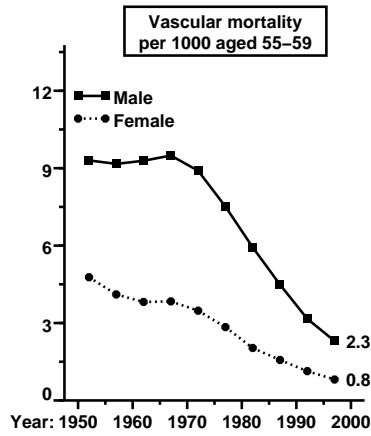
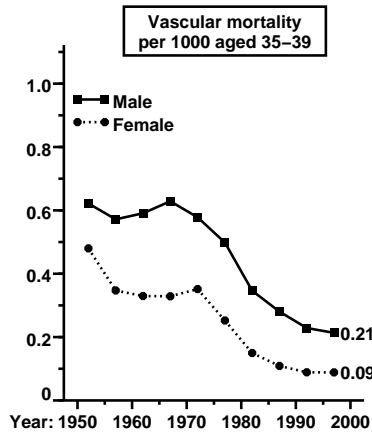
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 50-51

1950-2000: AUSTRALIA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 50-51

## AUSTRIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	35211	1434	12196	834.8	77.9	824.6	122.1	14.9	17.6	84.7	105.7	105.0	95.2
	F	41569	629	6279	530.8	37.2	395.5	100.9	10.9	12.3	30.6	34.8	32.2	38.9
Tuberculosis	M	48	1	25	1.1	0.0	1.5	-	-	-	-	-	-	0.3
	F	26	1	7	0.4	0.0	0.4	-	-	-	-	-	-	0.3
HIV	M	37	9	27	0.9	0.4	1.3	-	-	-	0.8	0.4	1.1	0.8
	F	13	4	9	0.3	0.2	0.5	-	-	-	-	-	0.4	0.9
Other infective and parasitic	M	83	5	43	2.0	0.3	2.9	1.0	0.4	-	-	0.4	0.4	-
	F	101	7	30	1.7	0.4	1.9	1.0	-	0.4	-	0.4	0.4	0.6
ALL CANCER	M	9524	101	4123	224.4	5.1	286.3	2.9	2.5	3.8	3.2	3.4	8.8	10.8
	F	9225	86	2988	141.3	4.3	187.1	1.5	1.7	3.1	3.4	1.8	6.0	12.5
Mouth and pharynx cancer	M	350	-	275	8.6	-	17.7	-	-	-	-	-	-	-
	F	129	1	60	2.2	0.0	3.8	-	-	-	-	-	-	0.3
Oesophagus cancer	M	207	2	128	5.0	0.1	8.5	-	-	-	-	-	0.4	0.3
	F	59	1	23	1.0	0.0	1.5	-	-	-	-	-	-	0.3
Stomach cancer	M	637	10	217	14.9	0.4	15.1	-	-	-	-	0.4	0.4	2.2
	F	592	2	148	8.4	0.1	9.4	-	-	-	-	-	-	0.6
Colorectal cancer	M	1240	2	443	29.0	0.1	31.9	-	-	-	-	0.4	-	0.3
	F	1296	1	296	17.8	0.0	18.7	-	-	-	-	-	-	0.3
Liver cancer	M	257	2	126	6.0	0.1	9.2	0.5	0.4	-	-	-	-	-
	F	107	-	24	1.5	-	1.6	-	-	-	-	-	-	-
Pancreas cancer	M	572	-	268	13.4	-	19.0	-	-	-	-	-	-	-
	F	692	3	195	10.0	0.1	12.7	-	-	-	-	-	0.4	0.6
Larynx cancer	M	153	-	106	3.7	-	7.2	-	-	-	-	-	-	-
	F	18	-	10	0.3	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	2285	6	1225	53.9	0.2	85.1	-	-	-	-	-	-	1.7
	F	984	5	438	16.8	0.2	27.1	-	-	-	-	-	0.7	0.9
Malignant melanoma	M	136	1	68	3.2	0.1	4.4	-	-	-	-	-	0.4	-
	F	126	7	50	2.1	0.3	3.1	-	-	-	-	0.4	1.1	0.9
Female breast cancer	F	1671	15	695	27.7	0.6	42.2	-	-	-	-	-	1.1	3.5
Cervix cancer	F	138	2	68	2.5	0.1	4.1	-	-	-	-	-	0.4	0.3
Other uterine cancer	F	368	4	119	5.6	0.2	7.6	-	-	-	0.4	-	-	0.9
Ovarian cancer	F	549	2	204	8.8	0.1	13.1	-	-	-	-	-	-	0.6
Prostate cancer	M	1229	-	191	28.6	-	14.9	-	-	-	-	-	-	-
Bladder cancer	M	320	-	82	7.5	-	6.1	-	-	-	-	-	-	-
	F	175	-	24	2.2	-	1.5	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1418	50	697	33.7	2.6	47.4	1.0	1.7	2.9	2.0	1.7	4.2	4.4
	F	1589	25	419	23.3	1.4	26.5	1.0	0.9	2.6	0.8	0.9	1.8	1.7
Hodgkin's disease	M	18	2	8	0.4	0.1	0.5	-	-	-	-	0.4	-	0.3
	F	12	2	7	0.2	0.1	0.4	-	-	-	-	-	0.4	0.3
Myeloma and non- Hodgkin lymphomas	M	383	8	160	8.9	0.4	10.8	-	-	0.4	0.4	-	1.8	0.3
	F	432	4	127	6.4	0.2	8.4	-	-	-	0.4	0.4	-	0.6
Leukaemia	M	319	18	129	7.6	1.0	8.5	1.4	0.4	0.4	0.8	0.4	1.8	1.4
	F	288	12	81	4.4	0.7	5.0	0.5	0.9	0.4	1.7	-	0.4	0.9
Diabetes	M	550	3	175	12.9	0.1	12.7	-	-	-	-	-	-	0.8
	F	838	2	109	10.2	0.1	7.4	-	-	-	-	0.4	-	0.3
ALL VASCULAR DISEASE	M	16259	77	4190	382.2	3.9	294.4	3.4	1.2	0.8	1.2	5.5	6.3	8.6
	F	23852	54	1688	268.6	2.8	110.8	1.0	0.4	0.4	3.0	3.5	5.3	5.8
Rheumatic heart disease and fever	M	35	1	15	0.8	0.1	1.2	-	-	-	0.4	-	-	-
	F	142	1	17	1.7	0.1	1.2	-	-	-	-	-	0.4	-
Hypertensive disease	M	411	-	94	9.7	-	6.7	-	-	-	-	-	-	-
	F	970	1	65	10.8	0.0	4.3	-	-	-	-	-	-	0.3
Ischaemic heart disease	M	7724	21	2446	181.4	0.9	171.3	-	-	-	-	0.8	1.1	4.4
	F	8518	6	668	97.2	0.3	44.5	-	-	-	-	0.4	0.4	1.2
Pulmonary embolism and other venous	M	340	2	108	8.0	0.1	7.5	-	-	-	-	-	0.4	0.3
	F	709	11	109	9.0	0.6	6.9	-	-	-	1.3	0.4	1.4	0.9
Cerebrovascular disease	M	3136	17	590	73.4	0.9	42.1	0.5	0.4	0.4	0.4	0.8	1.8	1.7
	F	5733	11	393	64.3	0.5	25.4	-	-	-	-	1.3	1.1	1.5
Other vascular disease	M	4613	36	937	108.9	2.0	65.6	2.9	0.8	0.4	0.4	3.8	3.2	2.2
	F	7780	24	436	85.5	1.3	28.5	1.0	0.4	0.4	1.7	1.3	2.1	2.0
Chronic obstructive pulmonary disease	M	1241	6	318	28.9	0.3	23.1	0.5	0.4	-	0.4	0.4	-	0.6
	F	954	5	118	11.7	0.3	7.7	0.5	0.4	0.9	-	-	-	0.3
Other respiratory disease	M	766	15	177	18.3	0.9	12.1	1.9	0.4	-	-	1.3	2.1	0.3
	F	1126	4	87	12.7	0.2	5.5	0.5	0.4	-	-	0.4	0.4	-
Peptic ulcer	M	110	-	35	2.6	-	2.4	-	-	-	-	-	-	-
	F	150	-	23	1.8	-	1.4	-	-	-	-	-	-	-
Liver cirrhosis	M	1241	18	901	29.9	0.8	58.2	-	-	-	0.4	-	1.4	3.6
	F	572	8	306	10.6	0.3	18.6	-	-	-	-	-	0.7	1.7
Renal disease	M	308	2	73	7.2	0.1	5.0	-	-	-	-	-	-	0.6
	F	445	2	52	5.3	0.1	3.4	-	-	-	-	-	0.7	-
Pregnancy, birth Congenital and perinatal causes	F	2	1	1	0.1	0.1	0.0	-	-	-	0.4	-	-	-
	M	208	190	16	7.6	12.8	0.9	84.8	1.2	1.3	-	0.4	1.4	0.6
	F	164	151	10	6.2	10.7	0.5	66.6	3.9	0.9	1.3	1.8	0.4	-
Ill-defined causes	M	246	23	23	6.3	1.5	1.5	10.1	-	-	-	-	0.4	0.3
	F	634	20	11	7.1	1.4	0.7	10.1	-	-	-	-	-	-
Other medical causes	M	1624	104	634	38.7	5.5	39.9	7.7	0.8	2.5	6.1	5.5	7.7	8.3
	F	2034	66	346	27.2	3.8	21.5	8.1	0.4	0.9	3.0	4.8	4.6	4.6
ALL NON- MEDICAL CAUSES	M	2966	880	1436	71.8	46.2	82.4	10.1	7.9	9.2	72.6	88.4	75.4	59.7
	F	1433	218	494	25.7	12.5	28.1	11.6	3.5	5.7	19.5	21.6	13.4	11.9
Road traffic accidents	M	653	344	239	16.2	18.5	13.1	1.9	2.1	2.9	36.1	40.8	27.8	17.5
	F	220	73	82	4.8	4.2	4.6	0.5	0.9	2.2	8.5	8.8	6.4	2.0
Fire	M	99	50	44	2.4	2.7	2.3	1.0	2.1	0.8	5.7	3.4	3.2	2.8
	F	54	20	16	1.1	1.1	0.9	0.5	0.9	1.3	1.3	2.2	0.4	1.5
Suicide	M	1156	259	648	27.6	13.2	37.0	-	-	1.7	19.5	24.4	24.7	21.9
	F	432	65	238	8.8	3.5	13.4	-	-	1.8	5.1	6.6	4.9	5.8
Homicide	M	26	12	10	0.7	0.7	0.6	1.4	0.8	-	-	1.3	0.7	0.6
	F	49	16	18	1.1	0.9	1.0	2.5	0.4	-	1.3	0.4	1.1	0.9
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				3945.5	1817.1	1810.3	208.8	241.0	238.9	246.7	237.5	283.9	360.3	
				4150.7	1744.3	1815.8	198.3	229.2	226.8	235.4	227.3	282.9	344.4	

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Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
130.3	230.2	343.5	622.9	919.6	1331.4	2193.9	3564.1	5805.9	13499.4	M	ALL CAUSES	001-999/A00-Y89
67.9	129.7	203.3	320.6	439.8	606.8	1000.5	1842.7	3486.9	11964.1	F		
0.3	1.9	0.8	2.8	1.2	1.5	1.9	7.2	3.0	11.1	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	0.3	0.4	0.8	-	0.9	0.5	1.0	2.6	5.4	F		
2.4	2.5	1.5	1.2	0.4	-	1.2	0.7	-	-	M	HIV	279.5, 279.6/B20-B24
0.6	0.7	0.8	0.8	-	-	0.5	-	-	-	F		
0.8	0.6	2.3	1.6	2.1	4.9	8.0	8.6	10.2	16.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.6	0.3	0.8	2.8	0.4	3.2	5.3	8.8	9.8	13.8	F		
17.3	44.6	95.0	206.8	341.4	499.0	799.9	1178.7	1606.7	2574.8	M	ALL CANCER	140-208/C00-C97
22.1	61.0	103.0	164.1	228.1	318.9	412.4	652.1	914.2	1532.2	F		
1.6	6.3	11.7	19.5	24.3	27.3	33.4	25.9	14.2	30.9	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.7	1.9	4.0	3.6	8.7	7.9	5.7	11.3	17.2	F		
0.3	0.6	4.5	10.3	13.2	14.1	16.1	24.5	21.3	27.2	M	Oesophagus cancer	150/C15
-	-	0.4	2.4	1.2	2.3	4.2	3.6	8.7	5.4	F		
1.4	1.6	5.3	11.9	17.7	23.4	44.5	76.4	132.1	215.1	M	Stomach cancer	151/C16
1.4	2.7	5.8	6.8	10.4	14.1	24.3	40.5	61.6	120.0	F		
0.3	3.2	6.4	19.9	33.4	56.5	103.8	167.9	244.9	396.8	M	Colorectal cancer	153, 154/C18-C21
2.9	5.0	5.4	15.7	22.7	36.5	42.7	84.6	125.8	290.7	F		
0.5	0.6	0.8	3.6	10.3	17.1	31.5	33.1	55.9	34.6	M	Liver cancer	155.0/C22 excl C221
-	-	1.2	1.6	1.6	2.3	4.2	10.9	19.5	11.8	F		
0.5	1.6	6.8	11.1	20.6	36.5	55.6	84.3	92.5	118.7	M	Pancreas cancer	157/C25
1.2	2.3	5.0	8.0	11.2	24.6	36.4	45.7	81.2	122.0	F		
-	2.5	1.5	6.4	7.8	15.6	16.7	18.0	14.2	9.9	M	Larynx cancer	161/C32
-	-	0.4	1.2	1.2	1.4	-	1.0	2.6	0.5	F		
2.7	9.8	28.4	62.5	110.1	152.0	230.4	315.6	351.6	333.7	M	Lung cancer	162/C33, C34
2.3	8.0	17.8	28.2	39.9	40.1	53.8	75.3	95.5	103.3	F		
0.8	1.6	1.1	4.4	7.8	6.3	8.6	15.1	18.3	34.6	M	Malignant melanoma	172/C43
-	1.0	3.9	2.8	3.6	4.6	5.8	4.2	13.9	16.7	F		
7.5	20.9	29.4	38.2	58.6	71.6	69.1	107.5	132.0	244.5	F	Female breast cancer	174/C50
0.6	2.0	5.4	4.8	4.8	5.0	5.8	10.9	9.8	13.8	F	Cervix cancer	180/C53
0.3	2.3	2.7	6.0	10.8	11.9	19.0	26.5	37.5	59.5	F	Other uterine cancer	179, 182/C54, C55
0.6	3.0	5.0	10.9	14.8	24.6	32.7	48.8	44.2	80.2	F	Ovarian cancer	183/C56, C570-C574
-	0.3	0.8	2.4	9.9	25.3	65.5	128.2	273.4	730.5	M	Prostate cancer	185/C61
-	0.3	0.4	4.0	5.4	9.3	23.5	35.3	73.2	144.6	M	Bladder cancer	188/C67
0.3	0.3	0.8	-	2.0	4.1	3.2	10.4	16.9	48.2	F		
5.4	10.4	20.1	37.4	53.2	83.3	121.7	162.8	193.1	315.2	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
3.7	8.3	11.6	23.3	29.1	44.3	64.9	123.6	173.1	280.4	F		
0.3	0.6	-	-	0.4	0.5	1.9	0.7	2.0	6.2	M	Hodgkin's disease	201/C81
-	0.7	-	-	0.4	0.9	1.1	-	1.0	0.5	F		
1.9	2.5	3.8	7.6	14.8	17.1	27.8	52.6	75.2	84.1	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	0.7	2.7	5.6	9.2	15.5	24.8	33.7	52.9	65.4	F		
1.6	2.5	3.4	6.0	12.4	14.6	19.1	38.2	44.7	92.7	M	Leukaemia	204-208/C91-C95
1.4	3.3	3.5	4.4	3.2	6.4	12.7	19.2	26.7	52.1	F		
0.8	1.6	3.0	6.4	12.4	19.0	45.7	68.4	104.7	215.1	M	Diabetes	250/E10-E14
0.3	0.7	2.3	3.2	4.8	12.3	28.0	44.7	88.9	230.2	F		
19.5	55.7	100.3	190.5	309.3	473.7	911.7	1682.3	3057.9	8217.6	M	ALL VASCULAR DISEASE	390-459/I00-I99
10.9	21.2	39.1	68.0	102.5	158.3	375.5	839.0	1917.8	8244.0	F		
-	-	0.4	0.4	0.8	1.0	5.6	2.2	5.1	13.6	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	0.8	0.4	-	1.8	5.3	8.3	12.8	40.8	F		
0.3	0.6	3.4	4.0	7.0	8.3	23.5	33.9	82.3	233.6	M	Hypertensive disease	401-405/I10-I15
7.3	0.3	1.2	3.6	3.6	8.7	12.1	31.2	77.6	340.9	F		
7.6	31.0	63.6	117.3	181.4	287.0	511.4	890.5	1427.8	3233.6	M	Ischaemic heart disease	410-414/I20-I25
2.0	5.3	11.6	24.9	44.3	62.0	161.4	358.8	774.5	2776.7	F		
1.4	1.9	2.3	5.2	7.4	10.7	23.5	40.3	62.0	139.7	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.2	1.7	3.5	4.8	9.6	9.6	17.9	31.7	71.9	190.9	F		
3.8	8.9	12.9	22.7	40.0	60.4	145.8	299.0	665.7	1803.5	M	Cerebrovascular disease	430-438/I60-I69
3.2	8.6	12.4	14.9	20.7	37.0	81.2	191.1	481.3	1979.3	F		
6.5	13.3	17.8	41.0	72.6	106.2	202.0	416.4	815.0	2793.6	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
4.3	5.3	9.7	19.3	24.3	39.2	97.6	218.1	499.7	2915.4	F		
0.3	2.5	7.2	6.8	26.8	38.0	80.3	148.4	264.2	557.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	0.7	3.5	4.4	9.2	12.8	23.2	51.4	97.1	267.1	F		
2.4	3.5	4.2	8.8	10.3	21.0	34.6	63.4	108.7	468.5	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.2	2.0	2.3	3.2	8.0	6.4	15.3	28.6	73.4	411.7	F		
0.3	-	0.8	2.0	3.3	4.9	5.6	15.9	13.2	49.4	M	Peptic ulcer	531-533/K25-K27
0.6	1.0	-	0.4	2.0	2.7	3.2	5.7	13.9	43.8	F		
8.7	19.3	33.7	66.0	72.2	96.5	111.2	104.5	122.0	70.5	M	Liver cirrhosis	571/K70, K74
2.6	8.6	12.4	24.5	25.9	23.3	32.7	39.5	43.7	47.7	F		
0.5	1.9	1.5	2.0	4.5	12.7	11.7	20.9	62.0	176.8	M	Renal disease	580-590/N00-N19
-	1.3	1.5	1.2	2.0	5.9	12.1	18.7	28.2	147.6	F		
-	0.3	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
1.4	0.3	0.4	0.8	0.4	-	-	-	1.0	0.5	M	Ill-defined causes	780-799/R00-R99
0.3	1.3	1.5	0.8	0.8	1.9	3.7	7.2	17.3	213.8	M		
0.6	-	0.4	-	1.6	0.5	1.6	6.2	19.5	272.0	F		
7.0	21.5	31.8	41.8	43.3	66.8	67.3	134.7	263.2	543.9	M	Other medical causes	Rest of 001-799/ rest of A00-R99
5.8	8.6	12.4	18.1	21.5	30.6	53.8	96.6	192.1	522.4	F		
69.1	72.2	59.8	84.3	89.1	91.6	110.6	122.5	171.7	384.4	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
21.0	22.6	24.0	28.2	33.5	31.0	36.4	50.4	84.7	225.8	F		
17.3	9.5	11.0	14.3	11.1	15.1	13.6	17.3	19.3	33.4	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.3	5.0	4.3	4.4	3.6	4.6	5.8	10.9	9.8	12.3	F		
3.5	3.5	1.1	2.0	2.1	1.5	2.5	0.7	2.0	2.5	M	Fire	E890-E899/X00-X09
0.3	1.0	0.8	2.0	0.8	1.4	-	-	4.6	4.4	F		
29.0	34.2	27.6	37.8	43.7	43.9	42.6	55.5	73.2	123.6	M	Suicide	E950-E959/X60-X84
10.6	12.3	10.5	12.5	17.9	14.1	15.8	19.2	20.0	26.1	F		
0.3	0.3	1.9	0.4	-	0.5	0.6	0.7	2.0	1.2	M	Homicide	E960-E969/ X85-X99, Y00-Y09
2.0	-	1.2	0.8	0.8	0.5	1.6	2.1	2.1	3.4	F		
369.2	315.8	264.3	251.4	242.5	205.2	161.9	138.8	98.4	80.9	M	POPULATION	
347.8	301.5	258.3	248.6	250.8	219.2	189.6	192.6	194.7	203.3	F	(1000s; UN, 2004 revision)	

<b>AUSTRIA: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1912	102	2	3	97	6	17	114	22	479	1172
35-69	Sm.	3658	1829	1177	322	330	241	35	1233	-	320	-
	Total	13750 (27%)	4335 (42%)	1294 (91%)	539 (60%)	2502 (13%)	325 (74%)	139 (25%)	5091 (24%)	1096	1226 (26%)	1538
70+	Sm.	3481	1425	912	98	415	624	40	1213	-	179	-
	Total	21978 (16%)	5187 (27%)	1027 (89%)	183 (54%)	3977 (10%)	913 (68%)	449 (9%)	12616 (10%)	338	1838 (10%)	637
Any age	Sm.	7139	3254	2089	420	745	865	75	2446	-	499	-
	Total	37640 (19%)	9624 (34%)	2323 (90%)	725 (58%)	6576 (11%)	1244 (70%)	605 (12%)	17821 (14%)	1456	3543 (14%)	3347
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1434	101	6	2	93	6	15	77	18	337	880
35-69	Sm.	3142	1671	1101	290	280	226	40	948	-	257	-
	Total	12196 (26%)	4123 (41%)	1225 (90%)	509 (57%)	2389 (12%)	318 (71%)	177 (23%)	4190 (23%)	901	1051 (24%)	1436
70+	Sm.	3190	1392	920	101	371	595	45	1003	-	155	-
	Total	21581 (15%)	5300 (26%)	1054 (87%)	199 (51%)	4047 (9%)	917 (65%)	574 (8%)	11992 (8%)	322	1826 (8%)	650
Any age	Sm.	6332	3063	2021	391	651	821	85	1951	-	412	-
	Total	35211 (18%)	9524 (32%)	2285 (88%)	710 (55%)	6529 (10%)	1241 (66%)	766 (11%)	16259 (12%)	1241	3214 (13%)	2966

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	3902.2	1972.5	1651.9	318.5	268.2	258.1	253.1	214.9	175.7	163.4	126.2	62.9	88.7
2000	3945.5	1817.1	1810.3	369.2	315.8	264.3	251.4	242.5	205.2	161.9	138.8	98.4	80.9
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	37640	1912	13750	557	743	1109	1767	2161	3104	4309	5186	4033	12759
2000	35211	1434	12196	481	727	908	1566	2230	2732	3552	4947	5713	10921
<b>Lung cancer</b>													
1995	2323	2	1294	10	30	80	188	206	321	459	427	260	340
2000	2285	6	1225	10	31	75	157	267	312	373	438	346	270
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	950.7*	92.6*	998.4*	174.9	277.0	429.7	698.1	1005.6	1766.6	2637.1	4109.4	6411.8	14384.4
2000	834.8*	77.9*	824.6*	130.3	230.2	343.5	622.9	919.6	1331.4	2193.9	3564.1	5805.9	13499.4
<b>All cancer</b>													
1995	246.9*	4.7*	323.2*	19.8	51.1	108.1	239.8	316.4	602.2	924.7	1266.2	1769.5	2791.4
2000	224.4*	5.1*	286.3*	17.3	44.6	95.0	206.8	341.4	499.0	799.9	1178.7	1606.7	2574.8
<b>Lung cancer</b>													
1995	60.6*	0.1*	97.0*	3.1	11.2	31.0	74.3	95.9	182.7	280.9	338.4	413.4	383.3
2000	53.9*	0.2*	85.1*	2.7	9.8	28.4	62.5	110.1	152.0	230.4	315.6	351.6	333.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	19.2*	0.1*	37.7*	2.5	7.8	21.3	45.0	51.2	67.2	69.2	62.6	55.6	77.8
2000	17.2*	0.1*	33.4*	1.9	9.5	17.8	36.2	45.4	57.0	66.1	68.4	49.8	68.0
<b>Other cancer</b>													
1995	167.2*	4.5*	188.4*	14.1	32.1	55.8	120.5	169.4	352.3	574.7	865.3	1300.5	2330.3
2000	153.2*	4.7*	167.8*	12.7	25.3	48.8	108.2	186.0	290.0	503.4	794.7	1205.3	2173.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	31.2*	0.3*	25.6*	0.3	3.0	4.6	11.1	17.7	42.1	100.4	176.7	290.9	571.6
2000	28.9*	0.3*	23.1*	0.3	2.5	7.2	6.8	26.8	38.0	80.3	148.4	264.2	557.5
<b>Other respiratory disease</b>													
1995	14.9*	0.8*	9.9*	1.3	3.4	3.9	9.9	10.2	20.5	20.2	47.5	85.9	377.7
2000	18.3*	0.9*	12.1*	2.4	3.5	4.2	8.8	10.3	21.0	34.6	63.4	108.7	468.5
<b>Vascular disease</b>													
1995	445.2*	5.0*	385.6*	27.6	62.6	124.8	196.0	365.8	726.2	1196.5	2019.8	3480.1	8881.6
2000	382.2*	3.9*	294.4*	19.5	55.7	100.3	190.5	309.3	473.7	911.7	1682.3	3057.9	8217.6
<b>Liver cirrhosis</b>													
1995	38.4*	0.9*	74.0*	20.7	31.3	52.7	77.0	95.9	132.6	107.7	133.1	120.8	106.0
2000	29.9*	0.8*	58.2*	8.7	19.3	33.7	66.0	72.2	96.5	111.2	104.5	122.0	70.5
<b>Other medical causes</b>													
1995	91.0*	25.6*	84.6*	25.4	42.9	46.9	69.9	95.9	138.3	173.2	322.5	478.5	1274.0
2000	79.2*	20.8*	68.1*	13.0	32.3	43.5	59.7	70.5	111.6	145.8	264.4	474.6	1226.2
<b>All non-medical causes</b>													
1995	83.2*	55.3*	95.5*	79.7	82.8	88.7	94.4	103.8	104.7	114.4	143.4	186.0	382.2
2000	71.8*	46.2*	82.4*	69.1	72.2	59.8	84.3	89.1	91.6	110.6	122.5	171.7	384.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994



## 1995, 2000: AUSTRIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	779	114	6	1	107	4	16	53	9	313	270
35-69	Sm.	551	247	195	19	33	55	6	184	-	59	-
	Total	7094	3225	335	66	2824	128	60	2165	366	682	468
		(8%)	(8%)	(58%)	(29%)	(1%)	(43%)	(10%)	(8%)		(9%)	
70+	Sm.	1492	373	285	22	66	312	19	680	-	108	-
	Total	35658	6191	492	80	5619	709	656	23408	270	3613	811
		(4%)	(6%)	(58%)	(28%)	(1%)	(44%)	(3%)	(3%)		(3%)	
Any age	Sm.	2043	620	480	41	99	367	25	864	-	167	-
	Total	43531	9530	833	147	8550	841	732	25626	645	4608	1549
		(5%)	(7%)	(58%)	(28%)	(1%)	(44%)	(3%)	(3%)		(4%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	629	86	5	2	79	5	4	54	8	254	218
35-69	Sm.	726	373	296	32	45	62	10	204	-	77	-
	Total	6279	2988	438	93	2457	118	87	1688	306	598	494
		(12%)	(12%)	(68%)	(34%)	(2%)	(53%)	(11%)	(12%)		(13%)	
70+	Sm.	1827	459	344	34	81	417	37	784	-	130	-
	Total	34661	6151	541	111	5499	831	1035	22110	258	3555	721
		(5%)	(7%)	(64%)	(31%)	(1%)	(50%)	(4%)	(4%)		(4%)	
Any age	Sm.	2553	832	640	66	126	479	47	988	-	207	-
	Total	41569	9225	984	206	8035	954	1126	23852	572	4407	1433
		(6%)	(9%)	(65%)	(32%)	(2%)	(50%)	(4%)	(4%)		(5%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	4144.1	1879.4	1695.5	302.4	260.0	251.6	256.1	222.6	195.0	207.8	223.8	123.8	221.6
2000	4150.7	1744.3	1815.8	347.8	301.5	258.3	248.6	250.8	219.2	189.6	192.6	194.7	203.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	43531	779	7094	240	356	579	893	987	1468	2571	4904	4715	26039
2000	41569	629	6279	236	391	525	797	1103	1330	1897	3549	6789	24323
<b>Lung cancer</b>													
1995	833	6	335	8	18	40	59	40	66	104	148	102	242
2000	984	5	438	8	24	46	70	100	88	102	145	186	210
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	567.7*	41.3*	461.2*	79.4	136.9	230.1	348.7	443.4	752.8	1237.2	2191.2	3808.6	11750.5
2000	530.8*	37.2*	395.5*	67.9	129.7	203.3	320.6	439.8	606.8	1000.5	1842.7	3486.9	11964.1
<b>All cancer</b>													
1995	152.1*	5.4*	208.7*	30.4	61.9	117.2	180.8	234.1	348.7	487.5	705.1	945.9	1553.2
2000	141.3*	4.3*	187.1*	22.1	61.0	103.0	164.1	228.1	318.9	412.4	652.1	914.2	1532.2
<b>Lung cancer</b>													
1995	14.1*	0.3*	21.5*	2.6	6.9	15.9	23.0	18.0	33.8	50.0	66.1	82.4	109.2
2000	16.8*	0.2*	27.1*	2.3	8.0	17.8	28.2	39.9	40.1	53.8	75.3	95.5	103.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.6*	0.0*	4.2*	0.7	0.8	3.6	5.5	4.5	6.7	7.7	7.6	14.5	20.3
2000	3.5*	0.1*	5.9*	-	0.7	2.7	7.6	6.0	12.3	12.1	10.4	22.6	23.1
<b>Other cancer</b>													
1995	135.4*	5.1*	183.0*	27.1	54.2	97.8	152.3	211.6	308.2	429.7	631.4	848.9	1423.7
2000	120.9*	4.0*	154.0*	19.8	52.4	82.5	128.3	182.2	266.4	346.5	566.5	796.1	1405.8
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	10.8*	0.2*	8.5*	0.3	0.8	3.2	7.8	5.4	13.8	27.9	49.6	92.9	218.0
2000	11.7*	0.3*	7.7*	0.3	0.7	3.5	4.4	9.2	12.8	23.2	51.4	97.1	267.1
<b>Other respiratory disease</b>													
1995	8.5*	0.9*	3.9*	0.3	2.7	1.2	3.5	2.2	4.6	12.5	21.4	54.9	243.7
2000	12.7*	0.2*	5.5*	1.2	2.0	2.3	3.2	8.0	6.4	15.3	28.6	73.4	411.7
<b>Vascular disease</b>													
1995	292.2*	2.4*	144.5*	11.9	25.4	47.7	68.3	108.3	245.6	504.3	1096.5	2185.0	8235.1
2000	268.6*	2.8*	110.8*	10.9	21.2	39.1	68.0	102.5	158.3	375.5	839.0	1917.8	8244.0
<b>Liver cirrhosis</b>													
1995	12.7*	0.4*	23.0*	4.3	10.4	17.9	26.6	30.5	30.3	41.4	47.4	46.8	47.8
2000	10.6*	0.3*	18.6*	2.6	8.6	12.4	24.5	25.9	23.3	32.7	39.5	43.7	47.7
<b>Other medical causes</b>													
1995	64.3*	18.4*	44.4*	9.9	14.6	21.9	26.9	38.6	76.4	122.7	213.6	394.2	1194.5
2000	60.3*	16.8*	37.8*	9.8	13.6	19.0	28.2	32.7	56.1	105.0	181.7	355.9	1235.6
<b>All non-medical causes</b>													
1995	27.1*	13.6*	28.2*	22.2	21.2	21.1	34.8	24.3	33.3	40.9	57.6	88.9	258.1
2000	25.7*	12.5*	28.1*	21.0	22.6	24.0	28.2	33.5	31.0	36.4	50.4	84.7	225.8

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## AUSTRIA: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.4	– / 0.6	–
35–69	3.1 / 12	0.7 / 6.3	23 years
70+	3.2 / 22	1.8 / 35	8 years
All ages	6.3 / 35	2.6 / 42	15 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

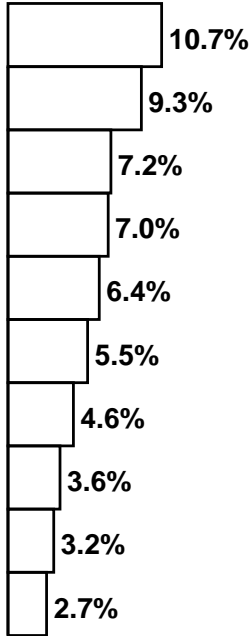
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.1/1.2	0.9/1.1	2.0/2.3	–/0.0	0.3/0.4	0.3/0.5	0.6/1.0
All Cancer	–/0.1	1.7/4.1 (41%)	1.4/5.3 (26%)	3.1/9.5	–/0.1	0.4/3.0 (12%)	0.5/6.2 (7%)	0.8/9.2
Vascular	–/0.1	0.9/4.2	1.0/12	2.0/16	–/0.1	0.2/1.7	0.8/22	1.0/24
Respiratory	–/0.0	0.3/0.5	0.6/1.5	0.9/2.0	–/0.0	0.1/0.2	0.5/1.9	0.5/2.1
All Other	–/1.2	0.3/3.4	0.2/2.8	0.4/7.4	–/0.5	0.1/1.4	0.1/4.5	0.2/6.4
All Causes	–/1.4	3.1/12 (26%)	3.2/22 (15%)	6.3/35	–/0.6	0.7/6.3 (12%)	1.8/35 (5%)	2.6/42

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	3.1 / 9.5 (32%)	0.8 / 9.2 (9%)	3.9 / 19 (21%)
All Causes	6.3 / 35 (18%)	2.6 / 42 (6%)	8.9 / 77 (12%)

1955-2000: AUSTRIA

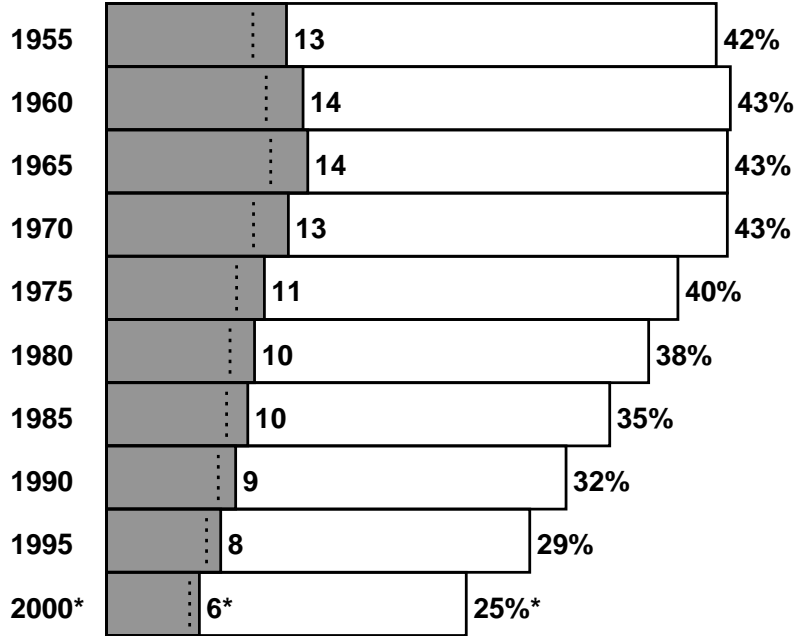
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

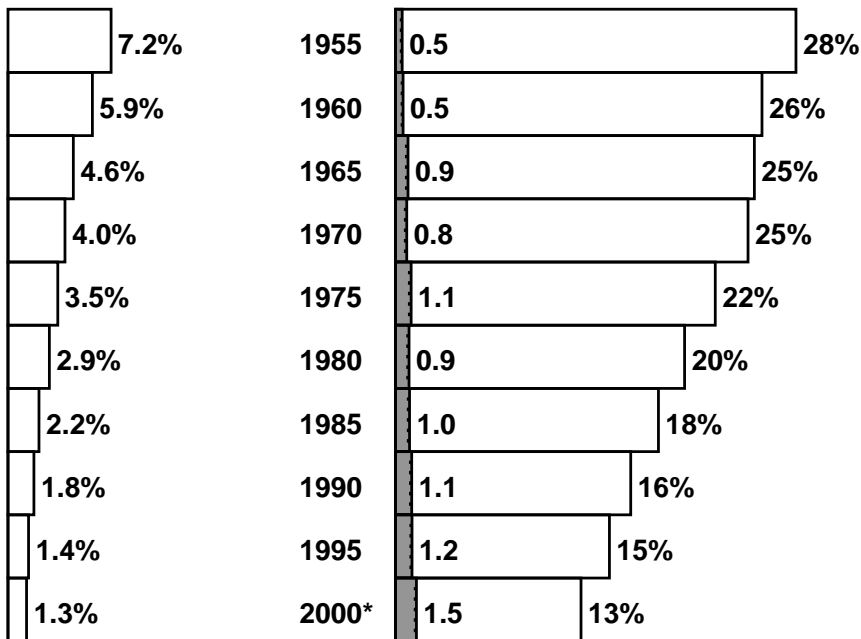
\*eg, at year 2000 male death rates, out of 100 men aged 35, 25 would die before age 70 (with 6 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## AUSTRIA: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/5.5	5.6/18 (31%)	2.1/20 (11%)	7.7/44	-/3.6	0.2/14 (2%)	0.2/24 (0.7%)	0.4/41
1960	-/5.3	6.3/20 (32%)	2.8/21 (13%)	9.0/46	-/3.2	0.3/14 (2%)	0.4/27 (2%)	0.7/43
1965	-/4.3	6.6/20 (32%)	3.9/23 (17%)	11/47	-/2.7	0.5/14 (3%)	0.4/30 (1%)	0.8/47
1970	-/4.1	5.9/20 (29%)	4.6/25 (18%)	10/49	-/2.3	0.4/14 (3%)	0.7/34 (2%)	1.1/50
1975	-/3.5	4.7/17 (27%)	5.2/26 (20%)	9.9/47	-/1.8	0.6/12 (5%)	0.8/36 (2%)	1.4/49
1980	-/3.0	4.2/15 (27%)	5.1/26 (20%)	9.3/44	-/1.4	0.5/9.9 (5%)	1.4/37 (4%)	1.9/48
1985	-/2.6	3.9/14 (28%)	4.7/25 (18%)	8.6/42	-/1.1	0.5/8.4 (5%)	1.5/38 (4%)	2.0/48
1990	-/2.1	4.0/14 (28%)	3.6/22 (16%)	7.6/38	-/0.9	0.6/8.3 (7%)	1.5/35 (4%)	2.0/45
1995	-/1.9	3.7/14 (27%)	3.5/22 (16%)	7.1/38	-/0.8	0.6/7.1 (8%)	1.5/36 (4%)	2.0/44
2000	-/1.4	3.1/12 (26%)	3.2/22 (15%)	6.3/35	-/0.6	0.7/6.3 (12%)	1.8/35 (5%)	2.6/42

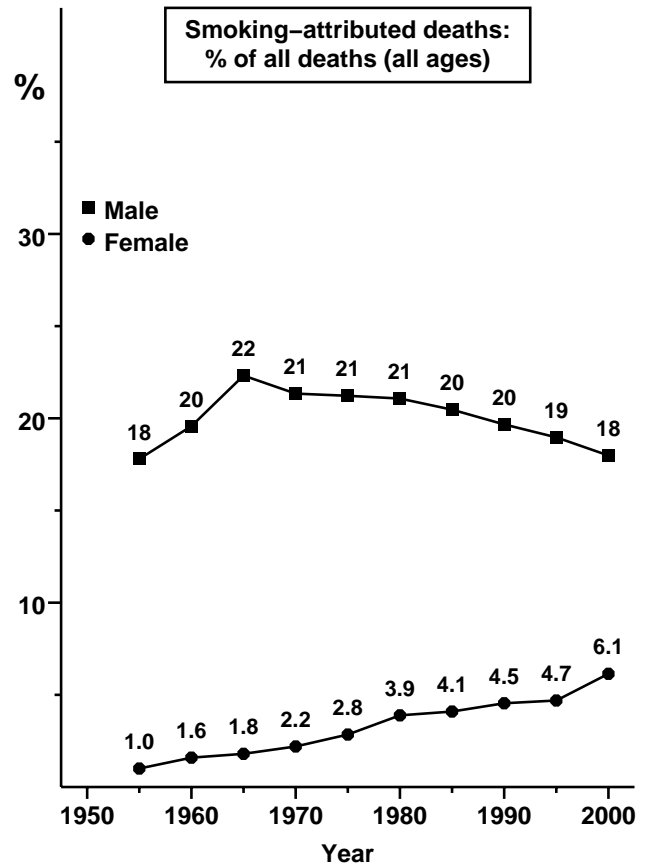
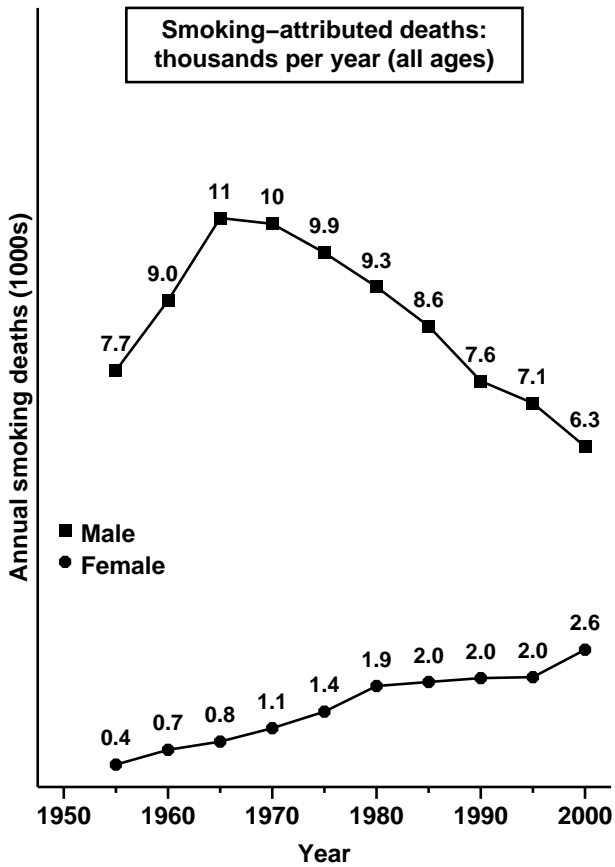
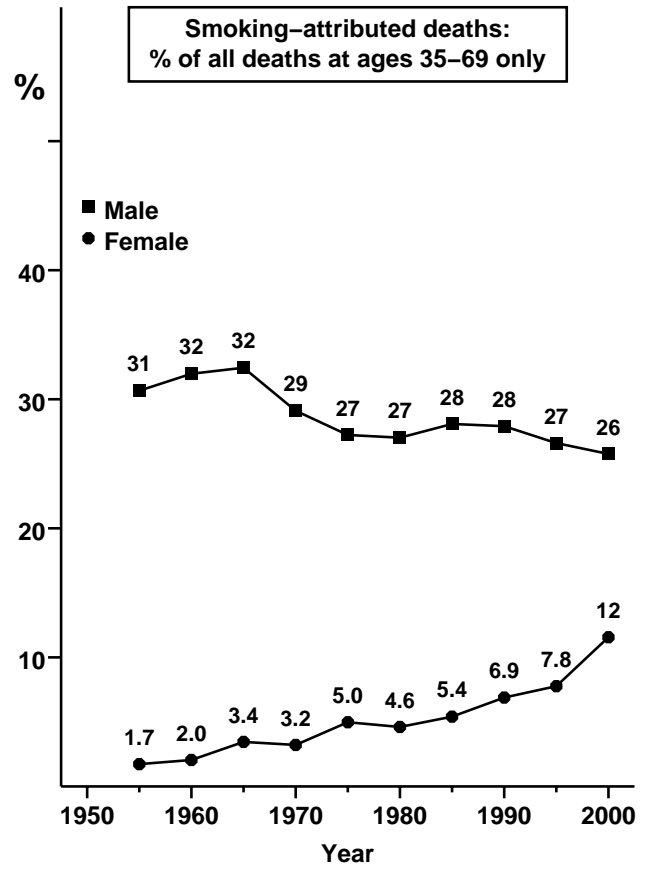
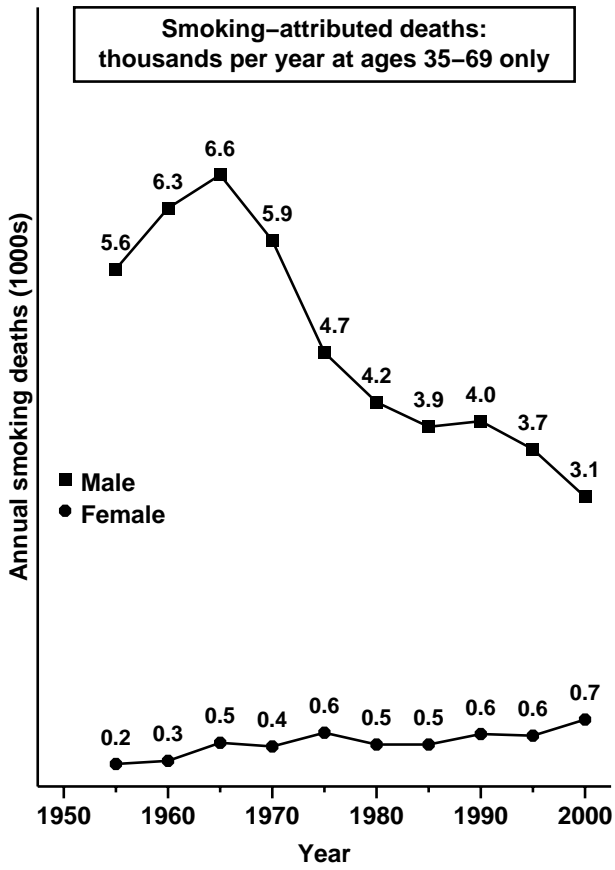
50-year total\* (thousands), mid-1950 to mid-2000: 506 / 4461

1950-2000 by age & sex:

-/178	245/837 (29%)	195/1158 (17%)	440/2173	-/100	23/551 (4%)	44/1637 (3%)	67/2288
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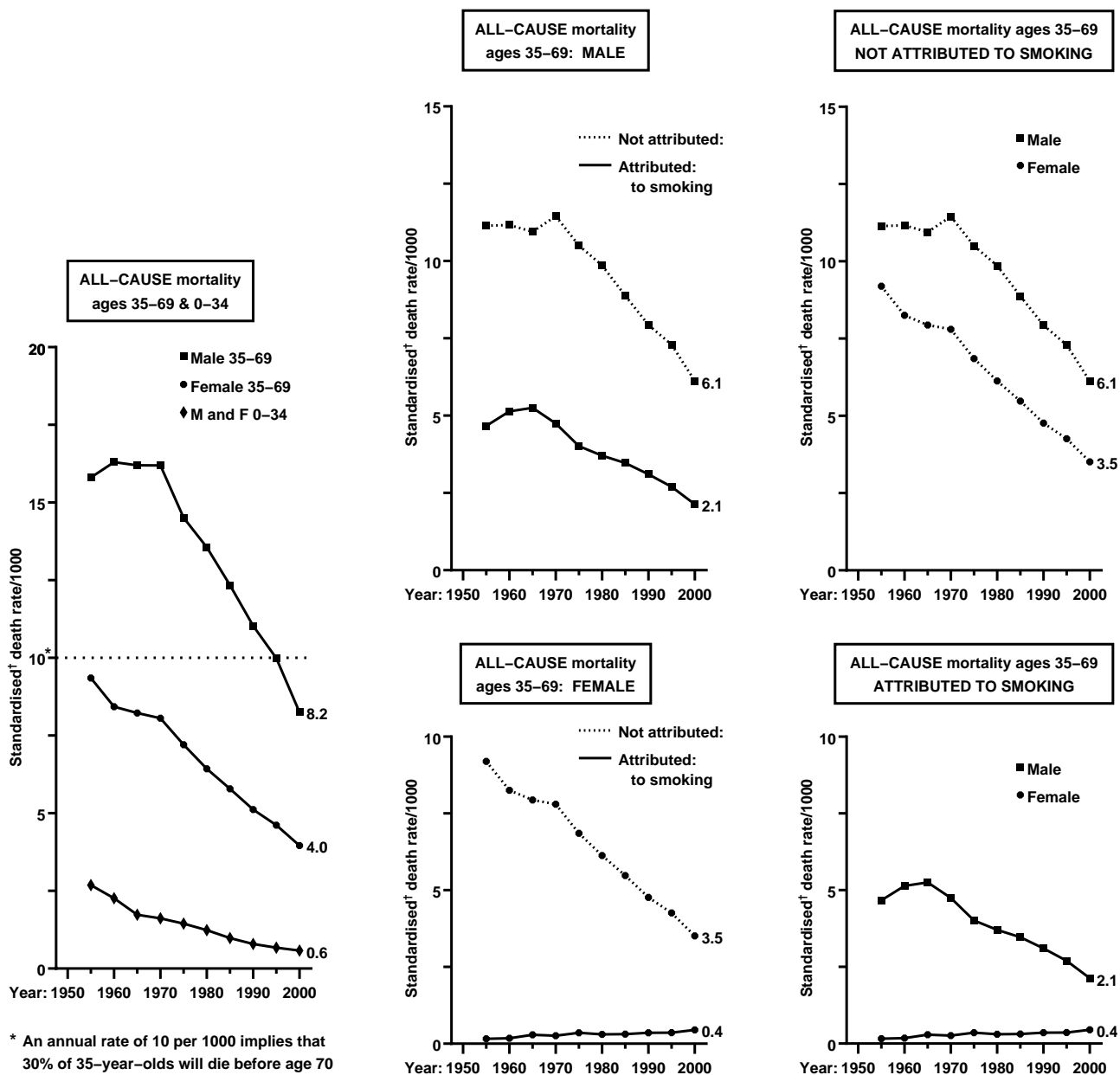
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: AUSTRIA



**AUSTRIA: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**

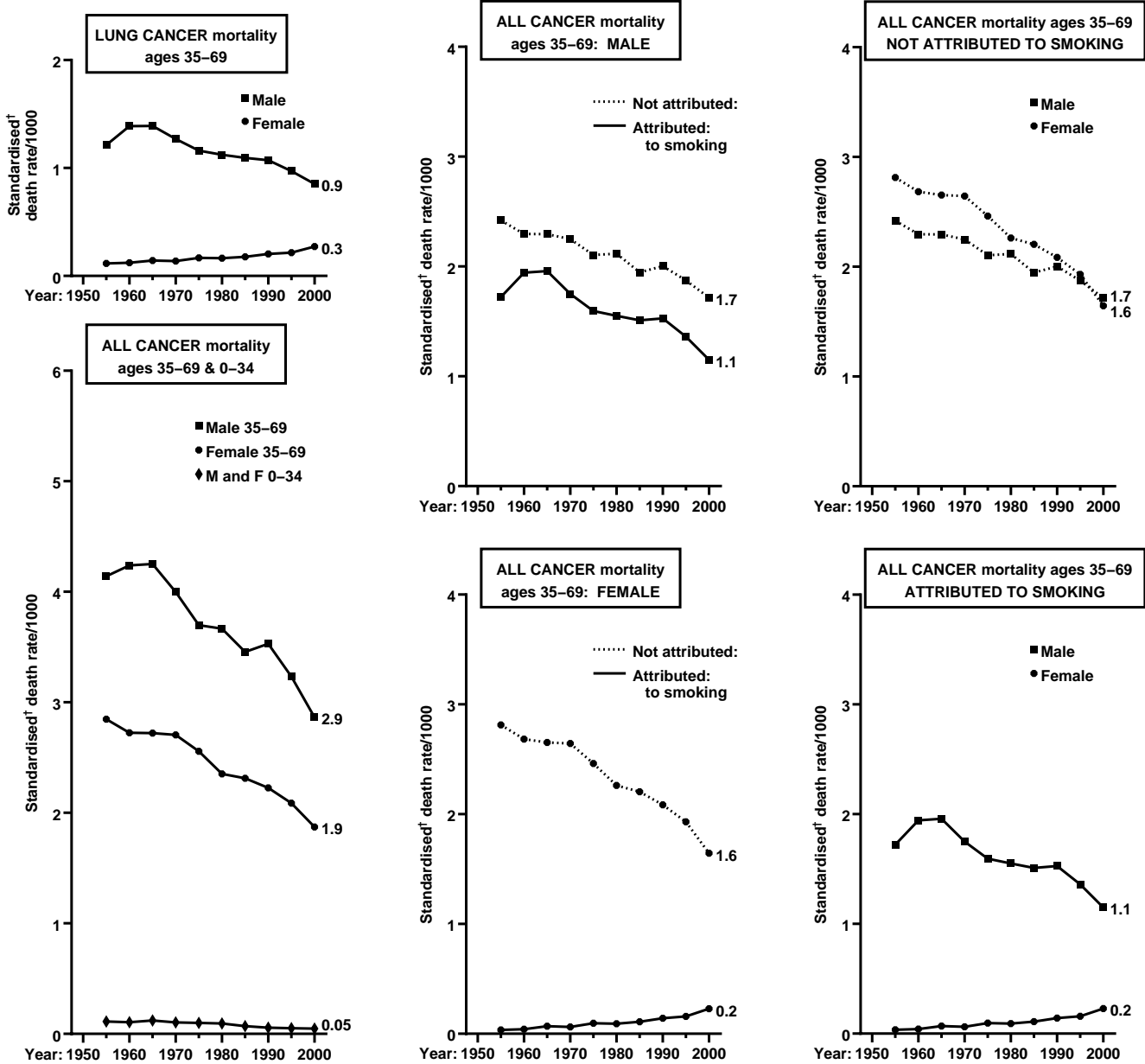


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	3.24	4.67	11.1	9.94	74.5	-	2.13	0.16	9.19	0.55	63.3	-	2.13	0.16	9.19	0.55	63.3
1960	-	2.79	5.14	11.2	12.4	74.2	-	1.73	0.17	8.25	0.93	58.8	-	1.73	0.17	8.25	0.93	58.8
1965	-	2.13	5.25	10.9	16.2	70.4	-	1.33	0.29	7.93	0.87	56.0	-	1.33	0.29	7.93	0.87	56.0
1970	-	2.07	4.74	11.4	18.2	70.9	-	1.16	0.26	7.80	1.26	55.9	-	1.16	0.26	7.80	1.26	55.9
1975	-	1.88	4.01	10.5	18.4	66.2	-	1.01	0.35	6.85	1.43	49.3	-	1.01	0.35	6.85	1.43	49.3
1980	-	1.63	3.70	9.85	16.6	60.1	-	0.84	0.30	6.13	1.94	44.0	-	0.84	0.30	6.13	1.94	44.0
1985	-	1.33	3.46	8.87	13.7	55.5	-	0.62	0.31	5.47	1.76	39.6	-	0.62	0.31	5.47	1.76	39.6
1990	-	1.05	3.10	7.93	10.9	48.2	-	0.52	0.35	4.76	1.54	32.2	-	0.52	0.35	4.76	1.54	32.2
1995	-	0.93	2.69	7.29	9.86	42.7	-	0.41	0.36	4.26	1.59	28.4	-	0.41	0.36	4.26	1.59	28.4
2000	-	0.78	2.13	6.12	8.19	38.7	-	0.37	0.45	3.51	1.83	24.8	-	0.37	0.45	3.51	1.83	24.8

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: AUSTRIA

ALL CANCER mortality rates attributed and not attributed to smoking



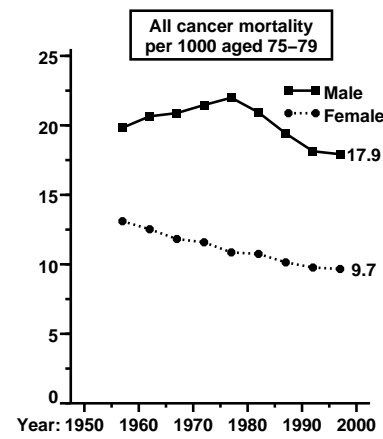
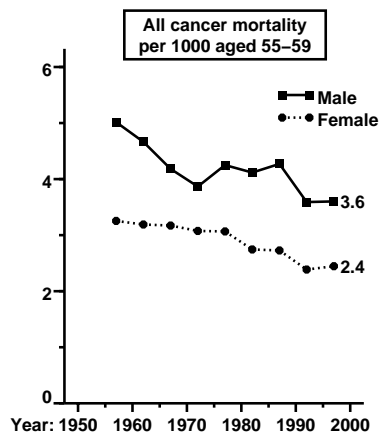
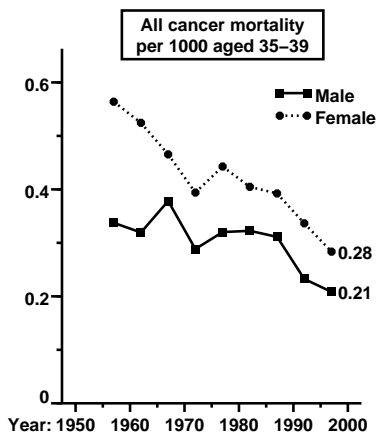
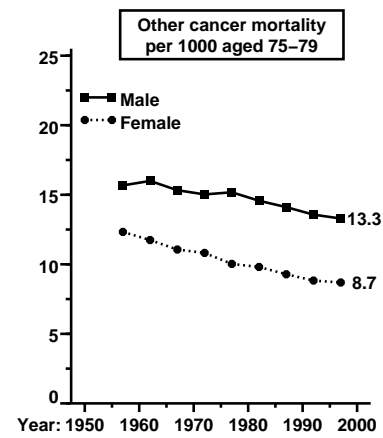
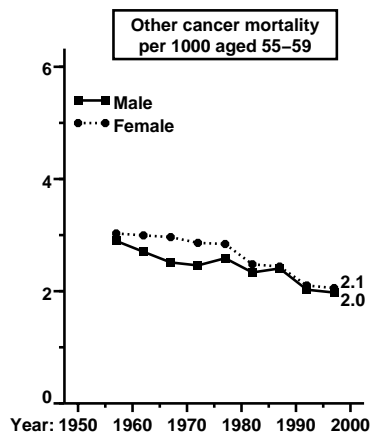
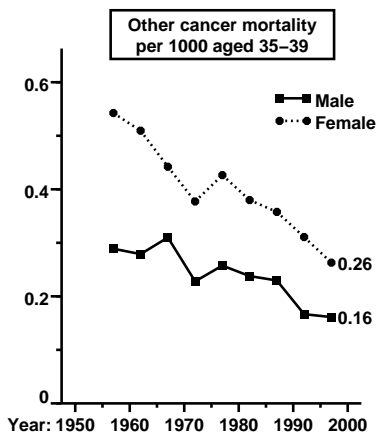
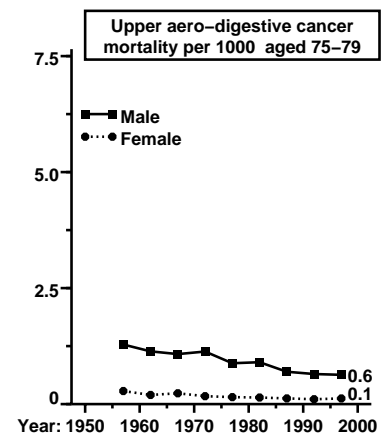
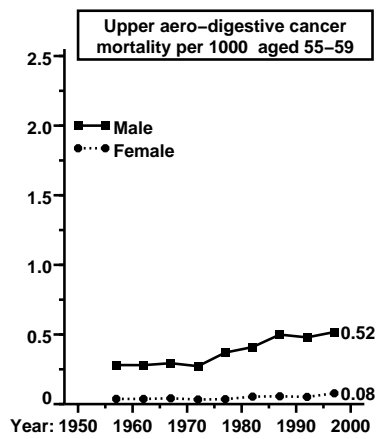
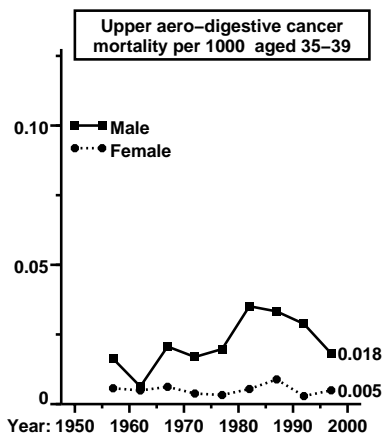
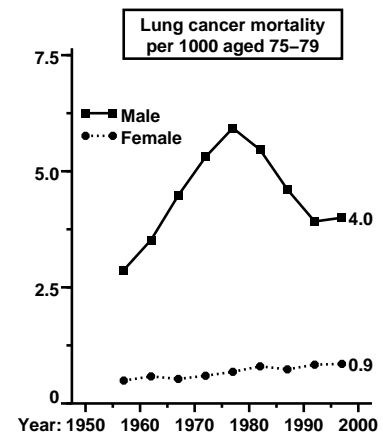
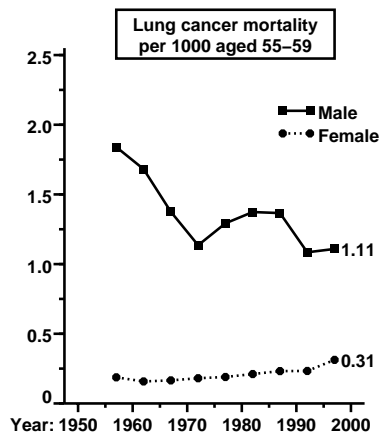
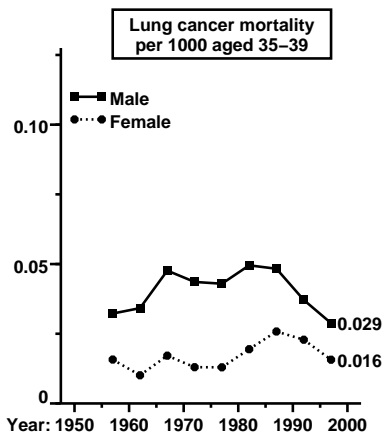
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950	...	...	...	...	...	...	...	...	...	...	...	...	...			
1955	-	0.11	1.72	2.42	3.90	12.9	-	0.12	0.03	2.81	0.10	10.9				
1960	-	0.10	1.94	2.30	4.98	13.2	-	0.11	0.04	2.68	0.21	10.7				
1965	-	0.12	1.96	2.29	6.25	12.8	-	0.12	0.07	2.65	0.18	10.3				
1970	-	0.12	1.75	2.25	6.78	12.5	-	0.09	0.06	2.64	0.25	10.0				
1975	-	0.11	1.59	2.10	7.46	11.7	-	0.09	0.10	2.46	0.33	9.17				
1980	-	0.10	1.55	2.12	7.18	11.5	-	0.09	0.09	2.26	0.53	8.95				
1985	-	0.07	1.51	1.95	5.81	11.1	-	0.07	0.11	2.20	0.47	8.51				
1990	-	0.06	1.53	2.00	5.20	11.0	-	0.06	0.14	2.08	0.51	8.06				
1995	-	0.05	1.36	1.87	4.80	10.4	-	0.05	0.16	1.93	0.55	7.70				
2000	-	0.05	1.15	1.71	4.15	9.78	-	0.04	0.23	1.64	0.70	7.14				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**AUSTRIA: 1955-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

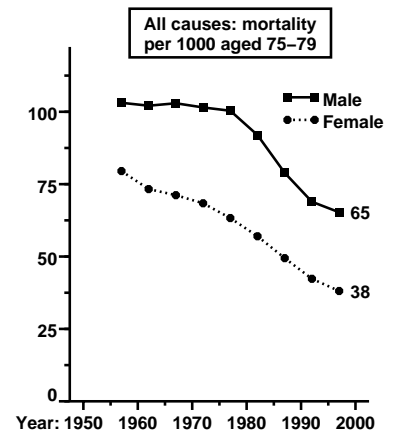
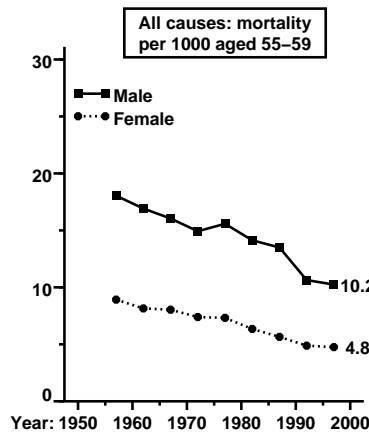
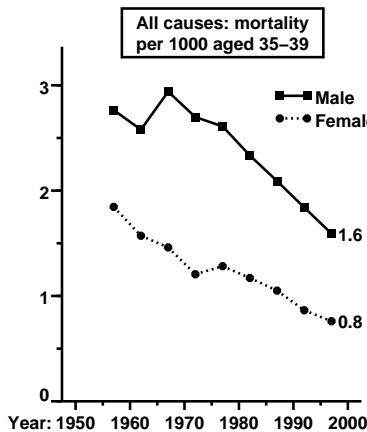
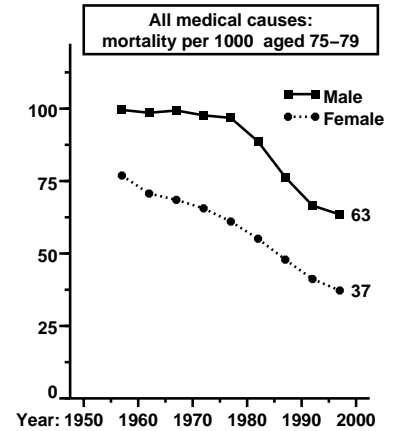
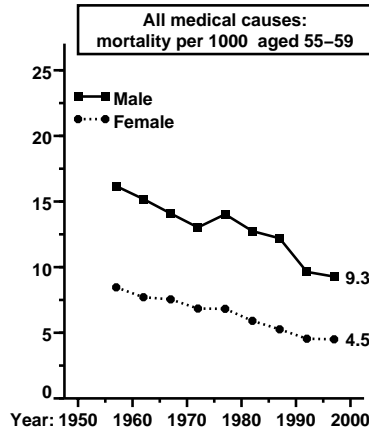
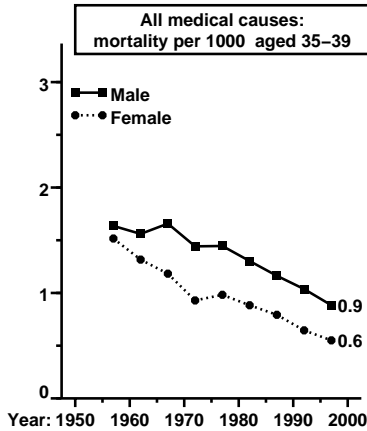
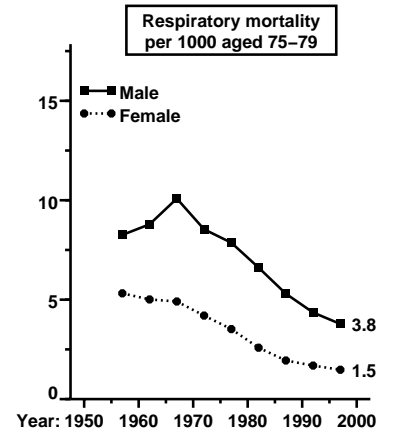
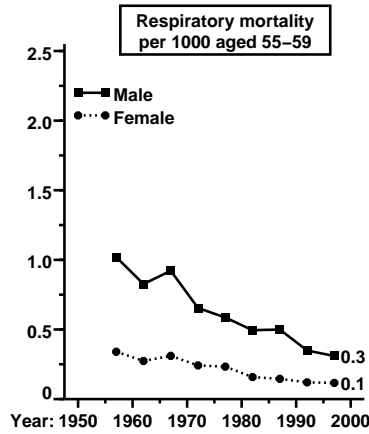
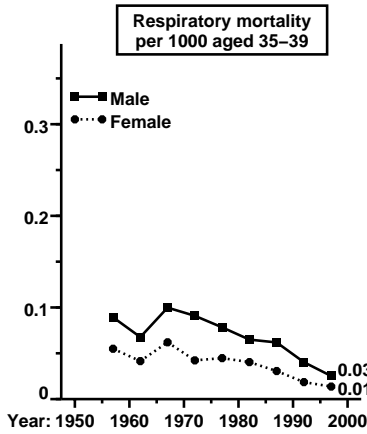
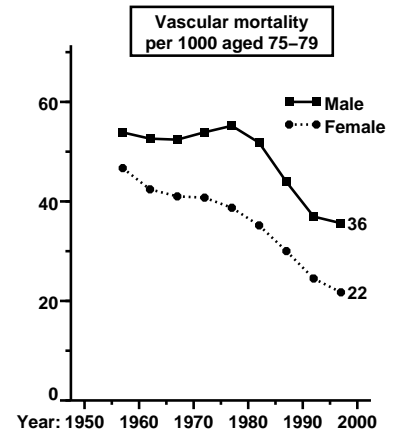
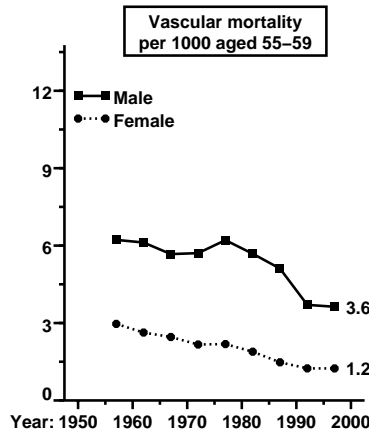
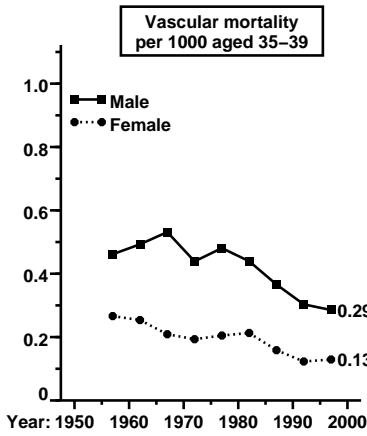


\* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 62-63



1955-2000: AUSTRIA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 62-63

<b>BELARUS: 2000</b>
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		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	70202	5257	39126	1807.2	229.1	2361.4	291.4	28.9	36.5	104.4	277.2	355.8	509.2
	F	64665	1764	18020	904.0	84.3	855.0	224.8	19.5	21.5	48.2	67.7	85.2	123.4
Tuberculosis	M	626	79	501	14.0	3.3	25.6	-	-	-	-	3.6	6.3	13.5
	F	100	18	47	1.6	0.8	2.0	0.9	-	-	-	0.9	1.7	2.1
HIV	M	231	83	147	4.7	3.5	6.2	1.3	-	-	1.0	3.0	7.1	12.3
	F	20	11	9	0.4	0.5	0.3	0.9	-	-	0.3	0.6	0.9	0.9
Other infective and parasitic	M	41	31	...	1.7	2.1	0.4	17.1	0.6	0.5	1.2	...	...	...
	F	92	39	35	2.2	2.4	1.6	15.8	-	0.2	0.8	0.6	-	...
ALL CANCER	M	11567	214	7530	281.0	9.0	486.2	5.3	3.2	3.5	5.2	8.3	15.9	21.2
	F	7857	196	4240	118.1	8.2	198.8	4.2	2.1	4.2	6.3	6.5	10.6	23.8
Mouth and pharynx cancer	M	578	3	463	14.3	0.1	28.5	-	-	-	-	-	-	0.9
	F	63	2	31	0.9	0.1	1.4	-	-	-	0.3	-	0.3	-
Oesophagus cancer	M	290	-	211	7.3	-	13.6	-	-	-	-	-	-	-
	F	42	1	15	0.6	0.0	0.6	-	-	-	-	-	-	0.3
Stomach cancer	M	1863	15	1208	45.3	0.6	78.7	-	-	-	0.2	-	0.6	3.7
	F	1265	17	585	18.0	0.7	27.6	-	-	-	-	0.9	2.0	2.1
Colorectal cancer	M	1125	11	618	28.4	0.5	40.6	-	-	-	-	-	1.4	1.8
	F	1116	5	502	15.6	0.2	23.9	-	-	-	0.3	-	0.3	0.9
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	481	1	372	11.4	0.0	23.3	-	-	-	-	-	0.3	-
	F	13	-	9	0.2	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	3319	10	2312	79.3	0.4	152.0	-	-	-	-	0.8	0.9	1.2
	F	388	4	184	5.5	0.2	8.7	-	-	-	-	0.3	0.6	0.3
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	1291	16	871	21.2	0.7	40.5	-	-	-	-	0.3	0.9	3.6
Cervix cancer	F	349	12	222	5.7	0.5	9.9	-	-	-	-	0.6	0.6	2.4
Other uterine cancer	F	366	5	214	5.5	0.2	10.2	-	-	-	-	0.3	0.3	0.9
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	570	1	225	14.7	0.0	15.7	-	-	-	-	-	-	0.3
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	2702	94	1752	65.6	4.0	111.5	3.1	1.3	2.3	1.9	2.8	6.8	9.5
	F	2382	84	1290	36.0	3.6	60.7	2.8	1.4	2.2	3.8	1.7	3.7	9.3
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	325	42	200	7.3	1.8	11.9	1.3	0.6	0.5	1.0	2.8	4.0	2.2
	F	294	20	166	4.5	0.8	7.8	-	-	-	0.5	1.1	0.9	3.3
Leukaemia	M	314	37	169	7.3	1.5	10.4	0.9	1.3	0.7	2.1	1.9	2.0	1.5
	F	288	30	151	4.4	1.2	7.0	1.4	0.7	2.0	1.5	1.4	1.1	0.6
Diabetes	M	248	16	173	5.9	0.7	10.4	-	-	-	-	0.6	1.4	2.8
	F	425	23	214	6.2	0.9	10.3	-	-	0.2	0.3	1.1	2.6	2.4
ALL VASCULAR DISEASE	M	33595	418	17248	887.4	17.6	1100.2	0.9	0.3	1.2	3.3	14.3	35.0	68.0
	F	38806	131	9296	508.3	5.6	451.3	2.3	-	1.0	2.3	5.1	8.6	19.6
Rheumatic heart disease and fever	M	270	13	232	6.3	0.5	13.3	-	0.3	-	0.2	0.3	0.9	2.2
	F	314	7	230	5.2	0.3	10.9	-	-	-	-	0.3	0.9	0.9
Hypertensive disease	M	343	6	257	8.3	0.3	15.7	-	-	-	-	-	0.6	1.2
	F	387	1	200	5.7	0.0	9.8	-	-	-	-	-	-	0.3
Ischaemic heart disease	M	22718	173	11190	607.5	7.3	716.3	-	-	-	-	5.0	15.1	31.4
	F	24776	40	5043	319.6	1.7	246.0	-	-	-	0.3	0.3	3.2	8.1
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	7848	74	4094	204.7	3.1	267.4	-	-	0.2	0.7	3.6	4.6	12.6
	F	11479	40	3210	151.5	1.7	156.0	-	-	0.5	0.5	2.8	2.3	5.4
Other vascular disease, incl. venous	M	2416	152	1475	60.5	6.3	87.5	0.9	-	0.9	2.4	5.5	13.9	20.6
	F	1850	43	613	26.3	1.9	28.6	2.3	-	0.5	1.5	1.7	2.3	4.8
Chronic obstructive pulmonary disease	M	3341	14	1528	89.8	0.6	103.8	0.4	-	-	-	0.6	2.0	1.2
	F	1697	7	369	22.1	0.3	17.7	-	-	-	0.5	0.3	0.6	0.6
Other respiratory disease	M	1073	86	706	27.3	4.8	41.1	25.5	-	0.7	0.5	1.4	0.9	4.6
	F	432	67	147	7.3	3.9	6.8	20.9	1.0	-	1.3	0.9	1.1	2.1
Peptic ulcer	M	268	7	194	6.6	0.3	11.4	-	-	-	0.2	-	0.6	1.2
	F	104	1	38	1.4	0.0	1.9	-	-	-	-	0.3	-	-
Liver cirrhosis & some other digestive	M	903	42	748	20.8	1.8	42.0	0.4	-	0.2	-	1.1	3.4	7.4
	F	592	17	451	10.4	0.7	21.1	-	-	0.5	-	0.3	1.7	2.4
Renal disease	M	440	30	300	10.8	1.2	17.6	0.9	-	0.2	1.0	2.5	1.4	2.8
	F	460	26	259	7.3	1.1	12.4	-	-	0.2	0.3	1.7	2.9	2.4
Pregnancy, birth	F	20	14	6	0.4	0.6	0.2	-	-	-	0.3	0.9	1.4	1.5
Congenital and perinatal causes	M	443	414	26	14.4	24.8	1.4	160.4	2.3	1.9	2.1	2.8	2.3	2.2
	F	298	276	20	10.1	17.5	0.8	114.0	1.7	1.7	1.8	1.4	0.9	1.2
Ill-defined causes	M	3174	140	705	125.9	6.4	38.5	13.2	1.0	0.2	1.7	6.1	11.1	11.7
	F	9024	52	219	124.8	2.7	10.3	9.8	0.3	1.2	0.5	1.1	2.3	3.3
Other medical causes	M	1831	293	1140	42.5	11.9	63.0	14.9	6.8	6.1	8.1	8.3	15.4	23.7
	F	1346	154	675	22.0	7.2	31.1	16.8	4.1	2.4	4.5	3.4	8.3	10.8
ALL NON-MEDICAL CAUSES	M	12421	3390	8180	273.6	140.3	412.8	51.0	14.6	22.0	80.1	224.8	253.1	336.6
	F	3392	732	1995	61.4	31.9	88.5	39.1	10.3	9.8	29.3	42.6	41.6	50.3
Road traffic accidents	M	1282	553	646	26.7	22.2	31.3	3.1	2.6	5.4	18.6	45.2	42.7	37.8
	F	449	161	216	8.1	6.7	9.5	4.2	3.4	2.2	10.6	10.0	9.2	7.2
Fire	M	499	94	358	11.4	4.2	18.9	6.2	2.3	0.2	1.2	3.6	6.5	9.5
	F	152	25	74	2.6	1.2	3.4	3.7	1.7	1.2	-	0.3	0.9	0.9
Suicide	M	2985	834	1928	64.8	33.8	97.3	-	-	4.7	20.7	60.4	68.0	82.8
	F	506	96	293	8.6	3.9	12.7	-	-	1.5	3.3	6.5	5.7	10.2
Homicide	M	755	257	450	16.2	10.5	21.4	1.3	-	0.5	6.2	17.4	20.8	27.7
	F	384	101	229	7.0	4.3	9.8	3.3	0.3	1.2	3.3	7.7	8.0	6.0
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				4706.1	2421.4	2015.8	227.5	307.8	427.3	419.7	362.5	351.6	325.0	
				5322.5	2344.0	2350.7	214.9	292.1	408.4	396.2	351.7	348.5	332.2	

## 2000: BELARUS

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
615.1	883.1	1199.8	2052.6	2770.6	3954.3	5054.2	6956.9	9455.7	19777.8	M	ALL CAUSES	001-999/A00-Y89
159.2	250.0	369.1	667.4	919.2	1381.7	2238.4	3516.4	6164.9	15834.6	F		
14.8	25.3	27.5	35.2	28.0	30.3	17.7	16.7	12.5	26.6	M	Tuberculosis	010-018/A15-A19
1.9	1.6	2.6	1.1	2.5	3.3	0.7	4.7	7.0	5.5	F		
11.4	10.2	8.1	7.2	3.7	1.7	1.1	0.6	-	-	M	HIV	279.5, 279.6/B20-B24
0.7	0.7	0.5	0.4	-	-	-	-	-	-	F		
...	...	...	1.7	1.1	3.8	1.6	3.2	8.3	9.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.2	0.7	1.8	1.5	2.5	2.4	2.1	3.7	3.2	0.7	F		
37.0	73.9	164.9	403.1	626.3	932.1	1166.2	1433.4	1477.8	1280.2	M	ALL CANCER	140-208/C00-C97
42.5	74.8	114.9	191.8	222.5	319.9	425.0	531.9	588.6	515.5	F		
1.5	6.2	16.3	42.9	44.4	52.1	35.9	39.9	51.2	31.4	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	0.5	0.8	2.3	0.4	3.0	2.5	4.7	5.4	4.1	F		
-	0.5	7.3	18.2	16.9	22.6	29.5	30.3	23.5	36.2	M	Oesophagus cancer	150/C15
-	-	1.3	0.4	-	1.8	1.1	2.7	5.9	4.8	F		
6.1	13.4	22.2	60.7	93.6	142.2	212.9	231.8	263.2	217.4	M	Stomach cancer	151/C16
4.1	9.6	13.0	24.6	26.6	44.2	71.3	99.5	118.7	101.3	F		
2.4	5.7	9.8	28.0	40.7	81.6	115.8	158.4	205.0	246.4	M	Colorectal cancer	153, 154/C18-C21
2.6	6.8	9.0	15.5	27.9	46.0	59.3	90.4	107.9	96.5	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
1.9	3.5	11.0	25.0	27.0	51.2	43.4	46.4	34.6	26.6	M	Larynx cancer	161/C32
-	-	0.3	0.8	0.8	0.3	1.1	1.0	0.5	-	F		
4.1	15.6	45.0	107.3	220.9	313.4	357.6	428.2	338.0	212.6	M	Lung cancer	162/C33, C34
1.0	1.9	5.6	5.3	10.2	13.6	23.6	27.0	38.1	33.8	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
10.0	18.1	33.0	54.1	50.3	57.9	60.0	70.2	63.4	53.8	F	Female breast cancer	174/C50
4.8	6.3	12.3	9.8	12.3	10.6	13.1	15.9	20.9	20.0	F	Cervix cancer	180/C53
1.4	1.9	3.3	11.0	9.7	20.0	24.3	23.9	24.7	20.7	F	Other uterine cancer	179, 182/C54, C55
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
0.5	-	0.3	6.4	15.3	31.2	56.3	111.4	142.7	164.3	M	Prostate cancer	185/C61
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
12.2	22.1	44.1	98.4	141.1	197.3	265.4	307.1	350.4	304.3	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
12.2	23.0	31.2	53.7	70.6	99.7	134.4	158.9	162.2	162.0	F	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
3.4	4.7	6.5	8.5	15.9	22.2	22.5	38.6	24.9	12.1	M	Myeloma and all lymphomas	200-203 incl 201/C81-C90, C96
2.1	4.2	2.3	7.9	7.6	11.8	18.3	18.5	19.9	11.0	F	Leukaemia	204-208/C91-C95
4.9	2.2	2.5	7.6	10.6	18.4	26.8	41.2	44.3	29.0	M		
3.8	2.6	2.8	6.4	5.9	10.9	16.2	19.2	20.9	7.6	F		
3.4	2.5	5.6	12.3	9.0	16.2	24.1	21.2	22.2	24.2	M	Diabetes	250/E10-E14
1.0	2.1	2.0	8.3	9.7	20.9	27.9	31.7	37.1	17.2	F		
131.0	234.5	405.7	803.1	1236.8	2026.9	2863.3	4314.2	6504.2	10949.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
27.2	56.1	102.6	252.7	437.8	790.7	1491.7	2595.6	4829.8	8745.7	F		
3.2	7.4	9.6	16.1	22.7	21.8	12.3	12.2	5.5	4.8	M	Rheumatic heart disease and fever	390-398/I00-I09
0.7	3.0	7.4	10.2	15.2	20.6	19.0	16.5	11.3	4.8	F		
2.9	5.5	6.5	18.7	24.8	26.0	25.7	29.6	33.2	24.2	M	Hypertensive disease	401-405/I10-I15
0.5	2.3	3.3	6.4	14.8	14.5	26.5	17.2	36.5	46.2	F		
79.0	146.2	259.1	511.7	777.0	1326.2	1915.3	2976.2	4696.7	8072.5	M	Ischaemic heart disease	410-414/I20-I25
7.9	20.6	38.6	108.6	222.9	441.7	881.5	1642.2	3154.7	6168.2	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
20.2	38.7	82.3	177.8	292.3	502.6	757.6	1075.3	1441.8	2340.6	M	Cerebrovascular disease	430-438/I60-I69
8.4	19.9	38.6	100.3	152.7	266.0	506.2	826.6	1446.8	2125.4	F		
25.8	36.7	48.3	78.9	120.0	150.3	152.3	220.9	326.9	507.2	M	Other vascular disease, incl. venous	Rest of 390-459/rest of I00-I99
9.8	10.1	14.6	27.2	32.1	47.9	58.6	93.1	180.5	401.1	F		
3.2	8.4	14.3	45.0	100.4	205.0	350.7	504.2	669.0	1287.4	M	Chronic obstructive pulmonary disease	490-493/J40-J46
1.0	1.6	4.9	8.7	11.8	33.3	62.8	98.1	215.4	433.5	F		
9.7	17.6	31.5	45.0	56.6	67.5	60.1	83.1	106.6	181.2	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
4.1	3.0	3.1	7.9	6.3	9.4	13.4	23.3	37.6	54.4	F		
3.4	6.2	6.5	10.6	15.9	15.4	22.0	21.2	19.4	48.3	M	Peptic ulcer	531-533/K25-K27
-	0.2	0.3	0.8	3.0	3.6	5.3	6.7	10.2	17.9	F		
16.0	24.3	29.5	49.6	51.3	73.9	49.3	47.0	37.4	31.4	M	Liver cirrhosis & some other digestive	570-3, 575.2-579.9/K70-K77, K82-K92
4.1	11.7	16.9	27.6	33.4	26.4	27.9	18.2	25.8	15.2	F		
3.9	8.2	12.9	18.2	25.9	26.5	27.3	27.7	56.8	62.8	M	Renal disease	580-590/N00-N19
2.9	4.9	6.1	9.8	22.0	18.2	22.6	28.3	27.4	27.6	F		
1.2	0.2	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34, O00-O99
0.2	1.7	1.1	2.5	1.6	0.9	1.6	1.9	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.0	1.6	0.3	1.1	0.4	0.9	0.4	0.7	-	-	F	Ill-defined causes	780-799/R00-R99
19.2	22.6	36.0	41.2	42.8	59.8	47.7	72.1	164.8	5067.6	M		
3.1	4.0	7.9	11.7	17.8	15.8	11.6	32.4	190.1	5722.3	F		
27.2	38.5	47.8	59.0	72.4	90.1	106.2	124.3	134.3	248.8	M	Other medical causes	Rest of 001-799/rest of A00-R99
10.3	18.1	20.2	38.2	32.1	40.6	58.2	63.7	87.5	113.7	F		
334.5	409.2	408.3	518.9	498.9	404.4	315.3	285.9	242.4	560.4	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
58.2	68.5	85.2	105.6	117.2	96.3	88.9	77.2	105.3	165.4	F		
31.9	40.0	31.8	31.4	34.9	20.1	29.0	32.2	29.1	29.0	M	Road traffic accidents	E810-E819, E826-E829/part of V01-V99, Y850
9.1	5.9	7.7	11.0	8.9	10.3	13.8	8.8	12.4	15.9	F		
12.6	16.9	13.5	22.5	19.6	25.6	21.4	14.8	18.0	26.6	M	Fire	E890-E899/X00-X09
1.7	1.2	2.0	3.8	3.8	5.8	5.6	5.7	12.4	9.0	F		
82.7	94.5	96.7	114.1	119.5	91.4	82.6	81.8	67.9	113.5	M	Suicide	E950-E959/X60-X84
8.8	11.7	12.0	13.6	12.7	15.1	15.2	16.5	16.1	26.2	F		
25.5	23.8	24.7	23.3	21.7	17.1	13.4	15.5	9.7	41.1	M	Homicide	E960-E969/X85-X99, Y00-Y09
8.1	8.2	12.5	11.4	10.2	9.7	8.8	7.1	8.1	12.4	F		
411.3	403.0	355.9	235.7	189.2	234.2	186.5	155.3	72.2	41.4	M	POPULATION	
419.1	426.4	390.9	264.3	236.4	330.1	283.5	296.5	186.2	145.1	F	(1000s; UN, 2004 revision)	

**BELARUS: 1995, 2000****Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5838	241	14	8	219	18	210	492	37	1333	3507
35-69	Sm.	14652	4556	2675	858	1023	1354	337	7005	-	1400	-
	Total	40483	8557	2816	1150	4591	1621	801	17944	565	3260	7735
		(36%)	(53%)	(95%)	(75%)	(22%)	(84%)	(42%)	(39%)		(43%)	
70+	Sm.	3872	964	632	123	209	1044	30	1380	-	454	-
	Total	22459	2764	705	218	1841	1504	254	12350	64	4984	539
		(17%)	(35%)	(90%)	(56%)	(11%)	(69%)	(12%)	(11%)		(9%)	
Any age	Sm.	18524	5520	3307	981	1232	2398	367	8385	-	1854	-
	Total	68780	11562	3535	1376	6651	3143	1265	30786	666	9577	11781
		(27%)	(48%)	(94%)	(71%)	(19%)	(76%)	(29%)	(27%)		(19%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5257	214	10	4	200	14	86	418	42	1093	3390
35-69	Sm.	12779	3785	2184	755	846	1250	279	6184	-	1281	-
	Total	39126	7530	2312	1046	4172	1528	706	17248	748	3186	8180
		(33%)	(50%)	(94%)	(72%)	(20%)	(82%)	(40%)	(36%)		(40%)	
70+	Sm.	4729	1346	893	168	285	1224	34	1869	-	256	-
	Total	25819	3823	997	299	2527	1799	281	15929	113	3023	851
		(18%)	(35%)	(90%)	(56%)	(11%)	(68%)	(12%)	(12%)		(8%)	
Any age	Sm.	17508	5131	3077	923	1131	2474	313	8053	-	1537	-
	Total	70202	11567	3319	1349	6899	3341	1073	33595	903	7302	12421
		(25%)	(44%)	(93%)	(68%)	(16%)	(74%)	(29%)	(24%)		(21%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	4816.0	2613.1	1997.7	426.0	372.7	257.6	216.1	276.2	237.9	211.2	106.3	40.5	58.4
2000	4706.1	2421.4	2015.8	411.3	403.0	355.9	235.7	189.2	234.2	186.5	155.3	72.2	41.4
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	68780	5838	40483	2677	3304	3886	4387	7581	8561	10087	7043	4474	10942
2000	70202	5257	39126	2530	3559	4270	4838	5242	9261	9426	10804	6827	8188
<b>Lung cancer</b>													
1995	3535	14	2816	23	72	146	316	641	800	818	419	164	122
2000	3319	10	2312	17	63	160	253	418	734	667	665	244	88
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1800.6*	231.4*	2310.4*	628.4	886.5	1508.5	2030.1	2744.8	3598.6	4776.0	6625.6	11046.9	18736.3
2000	1807.2*	229.1*	2361.4*	615.1	883.1	1199.8	2052.6	2770.6	3954.3	5054.2	6956.9	9455.7	19777.8
<b>All cancer</b>													
1995	289.3*	9.3*	508.3*	46.0	89.9	229.0	426.7	653.9	920.6	1192.2	1352.8	1681.5	1104.5
2000	281.0*	9.0*	486.2*	37.0	73.9	164.9	403.1	626.3	932.1	1166.2	1433.4	1477.8	1280.2
<b>Lung cancer</b>													
1995	86.5*	0.5*	169.0*	5.4	19.3	56.7	146.2	232.1	336.3	387.3	394.2	404.9	208.9
2000	79.3*	0.4*	152.0*	4.1	15.6	45.0	107.3	220.9	313.4	357.6	428.2	338.0	212.6
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	34.0*	0.3*	67.1*	5.9	16.4	50.5	85.1	99.2	100.5	112.2	119.5	101.2	85.6
2000	33.0*	0.2*	65.3*	3.4	10.2	34.6	86.1	88.3	126.0	108.8	116.5	109.4	94.2
<b>Other cancer</b>													
1995	168.8*	8.5*	272.2*	34.7	54.2	121.9	195.3	322.6	483.8	692.7	839.1	1175.3	809.9
2000	168.6*	8.4*	268.9*	29.4	48.1	85.4	209.6	317.1	492.7	699.7	888.6	1030.5	973.4
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	87.7*	0.7*	98.6*	3.1	9.4	25.6	44.0	116.2	192.1	300.2	508.9	780.2	1107.9
2000	89.8*	0.6*	103.8*	3.2	8.4	14.3	45.0	100.4	205.0	350.7	504.2	669.0	1287.4
<b>Other respiratory disease</b>													
1995	31.7*	9.0*	45.3*	13.4	18.0	33.8	49.5	56.8	71.5	73.9	95.0	123.5	176.4
2000	27.3*	4.8*	41.1*	9.7	17.6	31.5	45.0	56.6	67.5	60.1	83.1	106.6	181.2
<b>Vascular disease</b>													
1995	840.7*	18.5*	1057.7*	140.4	267.2	536.1	802.9	1233.2	1813.8	2610.3	3879.6	6879.0	9315.1
2000	887.4*	17.6*	1100.2*	131.0	234.5	405.7	803.1	1236.8	2026.9	2863.3	4314.2	6504.2	10949.3
<b>Liver cirrhosis and some other digestive</b>													
1995	15.6*	1.4*	31.5*	10.1	17.2	28.0	34.7	37.7	41.6	51.1	31.0	42.0	24.0
2000	20.8*	1.8*	42.0*	16.0	24.3	29.5	49.6	51.3	73.9	49.3	47.0	37.4	31.4
<b>Other medical causes</b>													
1995	278.0*	56.7*	179.1*	76.8	104.4	170.4	196.7	204.2	215.2	286.0	523.0	1251.9	6714.0
2000	227.3*	55.0*	175.2*	83.6	115.1	145.5	188.0	200.3	244.7	249.3	289.1	418.3	5487.9
<b>All non-medical causes</b>													
1995	257.6*	135.8*	389.9*	338.7	380.5	485.6	475.7	442.8	343.8	262.3	235.2	288.9	294.5
2000	273.6*	140.3*	412.8*	334.5	409.2	408.3	518.9	498.9	404.4	315.3	285.9	242.4	560.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

## 1995, 2000: BELARUS

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2065	260	4	3	253	12	101	126	11	809	746
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	19500 (0%)	4592 (0%)	222 (0%)	72 (0%)	4298 (0%)	441 (0%)	202 (0%)	10099 (0%)	309 (0%)	1882 (0%)	1975
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	43430 (0%)	3018 (0%)	213 (0%)	76 (0%)	2729 (0%)	1314 (0%)	298 (0%)	24936 (0%)	103 (0%)	13197 (0%)	564
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	64995 (0%)	7870 (0%)	439 (0%)	151 (0%)	7280 (0%)	1767 (0%)	601 (0%)	35161 (0%)	423 (0%)	15888 (0%)	3285
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1764	196	4	3	189	7	67	131	17	614	732
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	18020 (0%)	4240 (0%)	184 (0%)	55 (0%)	4001 (0%)	369 (0%)	147 (0%)	9296 (0%)	451 (0%)	1522 (0%)	1995
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	44881 (0%)	3421 (0%)	200 (0%)	60 (0%)	3161 (0%)	1321 (0%)	218 (0%)	29379 (0%)	124 (0%)	9753 (0%)	665
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	64665 (0%)	7857 (0%)	388 (0%)	118 (0%)	7351 (0%)	1697 (0%)	432 (0%)	38806 (0%)	592 (0%)	11889 (0%)	3392

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	5433.0	2551.1	2350.5	434.4	387.8	272.0	245.6	346.4	318.2	346.1	236.7	110.6	184.1
2000	5322.5	2344.0	2350.7	419.1	426.4	390.9	264.3	236.4	330.1	283.5	296.5	186.2	145.1
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	64995	2065	19500	715	937	1295	1616	3353	4496	7088	8618	7254	27558
2000	64665	1764	18020	667	1066	1443	1764	2173	4561	6346	10426	11479	22976
<b>Lung cancer</b>													
1995	439	4	222	2	6	8	13	44	56	93	94	56	63
2000	388	4	184	4	8	22	14	24	45	67	80	71	49
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	903.1*	86.5*	852.7*	164.6	241.6	476.1	658.0	968.0	1412.9	2048.0	3640.9	6558.8	14969.0
2000	904.0*	84.3*	855.0*	159.2	250.0	369.1	667.4	919.2	1381.7	2238.4	3516.4	6164.9	15834.6
<b>All cancer</b>													
1995	123.9*	9.9*	202.4*	36.1	69.1	140.8	177.9	266.5	318.4	407.7	567.4	733.3	469.3
2000	118.1*	8.2*	198.8*	42.5	74.8	114.9	191.8	222.5	319.9	425.0	531.9	588.6	515.5
<b>Lung cancer</b>													
1995	6.4*	0.2*	9.6*	0.5	1.5	2.9	5.3	12.7	17.6	26.9	39.7	50.6	34.2
2000	5.5*	0.2*	8.7*	1.0	1.9	5.6	5.3	10.2	13.6	23.6	27.0	38.1	33.8
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.3*	0.1*	3.2*	0.5	1.3	1.1	3.3	3.2	6.0	6.9	10.6	17.2	17.4
2000	1.7*	0.1*	2.5*	0.5	0.5	2.3	3.4	1.3	5.1	4.6	8.4	11.8	9.0
<b>Other cancer</b>													
1995	115.2*	9.6*	189.6*	35.2	66.3	136.8	169.4	250.6	294.8	373.9	517.1	665.5	417.7
2000	110.9*	8.0*	187.5*	41.0	72.5	106.9	183.1	211.1	301.1	396.8	496.5	538.7	472.8
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	23.4*	0.4*	19.3*	0.7	1.5	7.4	12.6	15.9	36.5	60.7	122.9	208.0	430.7
2000	22.1*	0.3*	17.7*	1.0	1.6	4.9	8.7	11.8	33.3	62.8	98.1	215.4	433.5
<b>Other respiratory disease</b>													
1995	9.9*	4.8*	8.9*	3.5	3.9	4.8	9.8	6.4	13.8	19.9	29.6	60.6	87.5
2000	7.3*	3.9*	6.8*	4.1	3.0	3.1	7.9	6.3	9.4	13.4	23.3	37.6	54.4
<b>Vascular disease</b>													
1995	474.8*	4.9*	439.8*	29.9	54.9	143.4	274.0	459.9	805.5	1310.9	2508.7	4418.6	7664.9
2000	508.3*	5.6*	451.3*	27.2	56.1	102.6	252.7	437.8	790.7	1491.7	2595.6	4829.8	8745.7
<b>Liver cirrhosis and some other digestive</b>													
1995	7.1*	0.4*	13.6*	5.3	6.7	8.5	15.1	22.2	19.8	17.3	19.4	24.4	16.3
2000	10.4*	0.7*	21.1*	4.1	11.7	16.9	27.6	33.4	26.4	27.9	18.2	25.8	15.2
<b>Other medical causes</b>													
1995	204.6*	36.2*	82.5*	32.5	33.8	70.6	69.6	89.8	130.1	150.8	311.8	1016.3	6157.0
2000	176.5*	33.8*	70.8*	22.2	34.2	41.7	73.0	90.1	105.7	128.7	172.0	362.5	5904.9
<b>All non-medical causes</b>													
1995	59.4*	29.9*	86.4*	56.6	71.7	100.7	98.9	107.4	88.9	80.6	81.1	97.6	143.4
2000	61.4*	31.9*	88.5*	58.2	68.5	85.2	105.6	117.2	96.3	88.9	77.2	105.3	165.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>BELARUS: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 5.3	– / 1.8	–
35–69	13 / 39	0.0 / 18	19 years
70+	4.7 / 26	0.0 / 45	9 years
<b>All ages</b>	<b>18 / 70</b>	<b>0.0 / 65</b>	<b>16 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

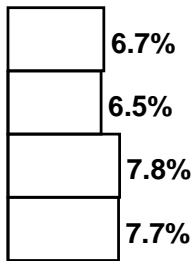
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.2/2.3	0.9/1.0	3.1/3.3	–/0.0	0.0/0.2	0.0/0.2	0.0/0.4
All Cancer	–/0.2	3.8/7.5 (50%)	1.3/3.8 (35%)	5.1/12	–/0.2	0.0/4.2 (0%)	0.0/3.4 (0%)	0.0/7.9
Vascular	–/0.4	6.2/17	1.9/16	8.1/34	–/0.1	0.0/9.3	0.0/29	0.0/39
Respiratory	–/0.1	1.5/2.2	1.3/2.1	2.8/4.4	–/0.1	0.0/0.5	0.0/1.5	0.0/2.1
All Other	–/4.5	1.3/12	0.3/4.0	1.5/21	–/1.4	0.0/4.0	0.0/11	0.0/16
<b>All Causes</b>	<b>–/5.3</b>	<b>13/39 (33%)</b>	<b>4.7/26 (18%)</b>	<b>18/70</b>	<b>–/1.8</b>	<b>0.0/18 (0%)</b>	<b>0.0/45 (0%)</b>	<b>0.0/65</b>

**Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	5.1 / 12 (44%)	0.0 / 7.9 (0%)	5.1 / 19 (26%)
All Causes	18 / 70 (25%)	0.0 / 65 (0%)	18 / 135 (13%)

1985-2000: BELARUS

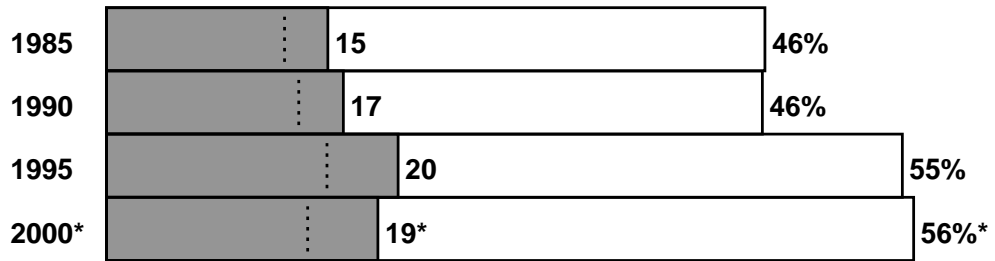
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

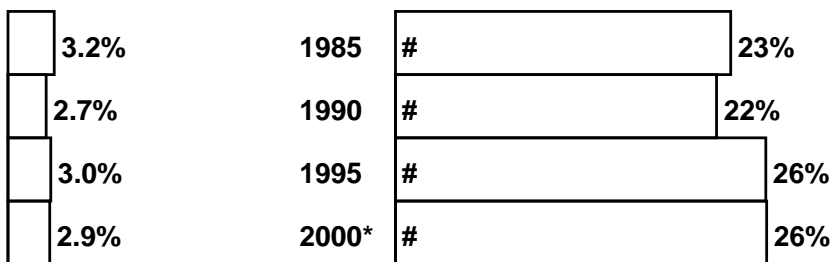
\*eg, at year 2000 male death rates, out of 100 men aged 35, 56 would die before age 70 (with 19 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

<b>BELARUS: 1980-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/5.6	8.5/24 <b>(36%)</b>	2.4/22 <b>(11%)</b>	11/51	-/2.6	0.0/14	0.0/38	0.0/55
1990	-/5.4	11/29 <b>(37%)</b>	2.8/20 <b>(14%)</b>	13/53	-/2.1	0.2/16	0.1/38	0.3/56
1995	-/5.8	15/40 <b>(36%)</b>	3.9/22 <b>(17%)</b>	19/69	-/2.1	0.0/20	0.0/43	0.0/65
2000	-/5.3	13/39 <b>(33%)</b>	4.7/26 <b>(18%)</b>	18/70	-/1.8	0.0/18	0.0/45	0.0/65

**20-year total\* (thousands), mid-1980 to mid-2000: 294 / 2395**

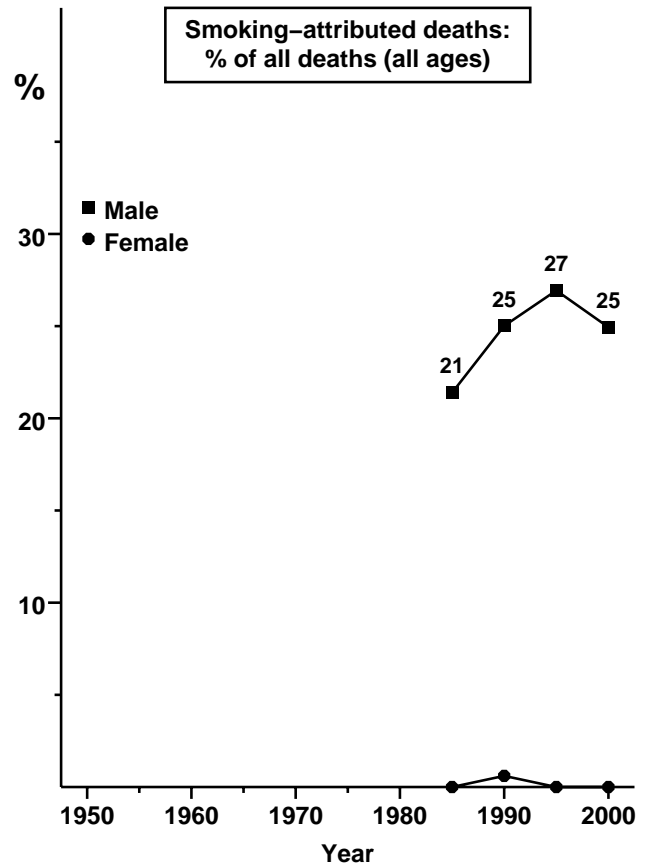
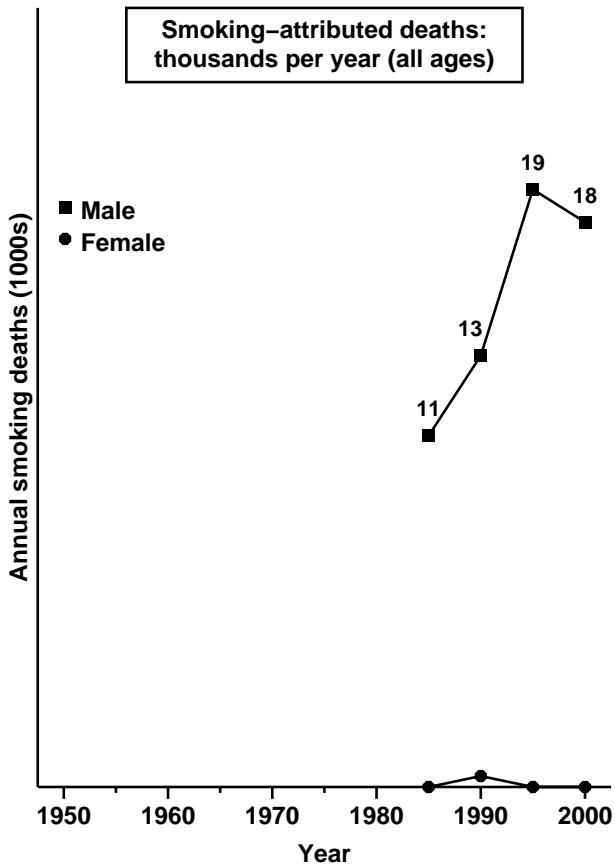
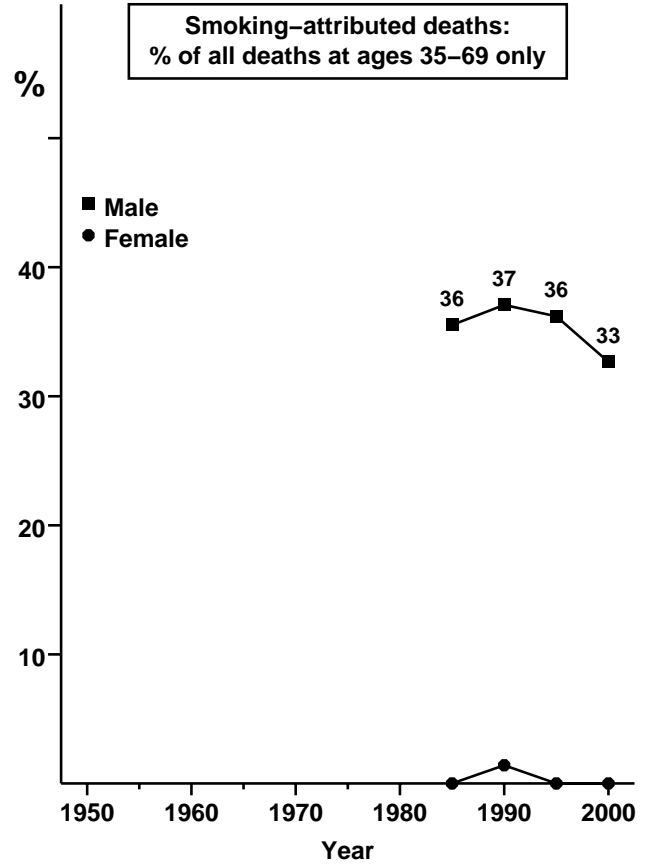
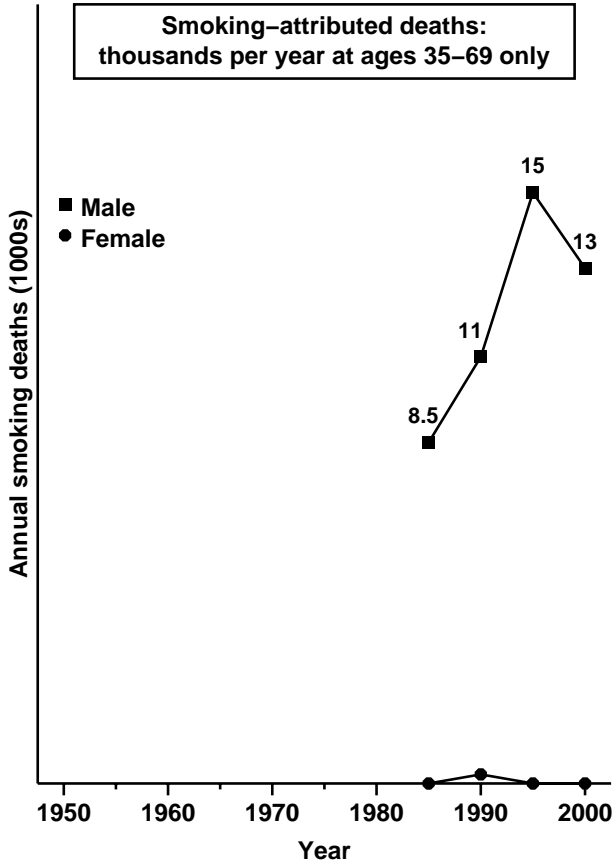
**1980-2000 by age & sex:**

-/114	231/643 <b>(36%)</b>	63/440 <b>(14%)</b>	294/1197	-/46	0.0/337 <b>( 0%)</b>	0.0/814 <b>( 0%)</b>	0.0/1198
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\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

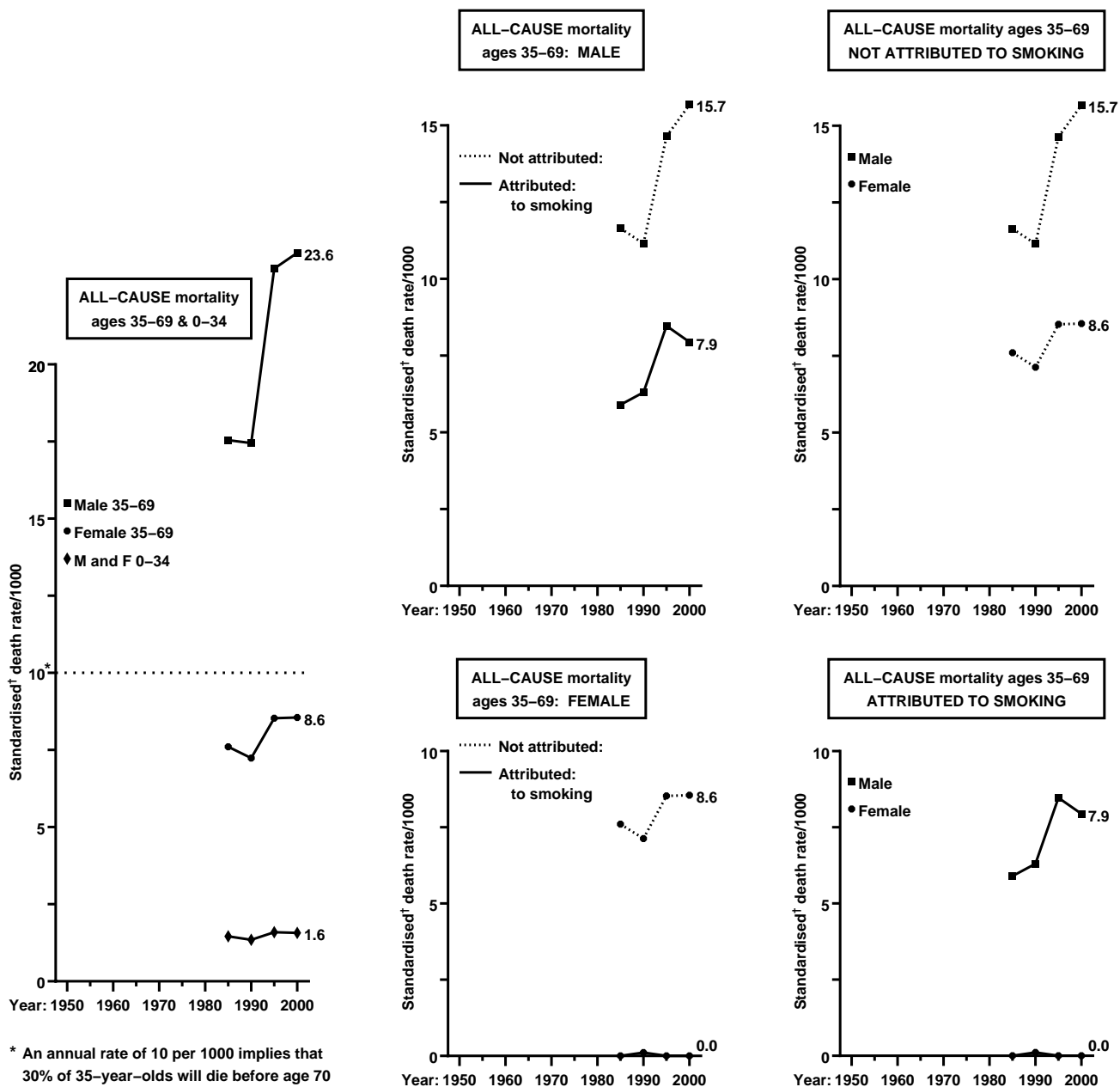


1985-2000: BELARUS



**BELARUS: 1985-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**

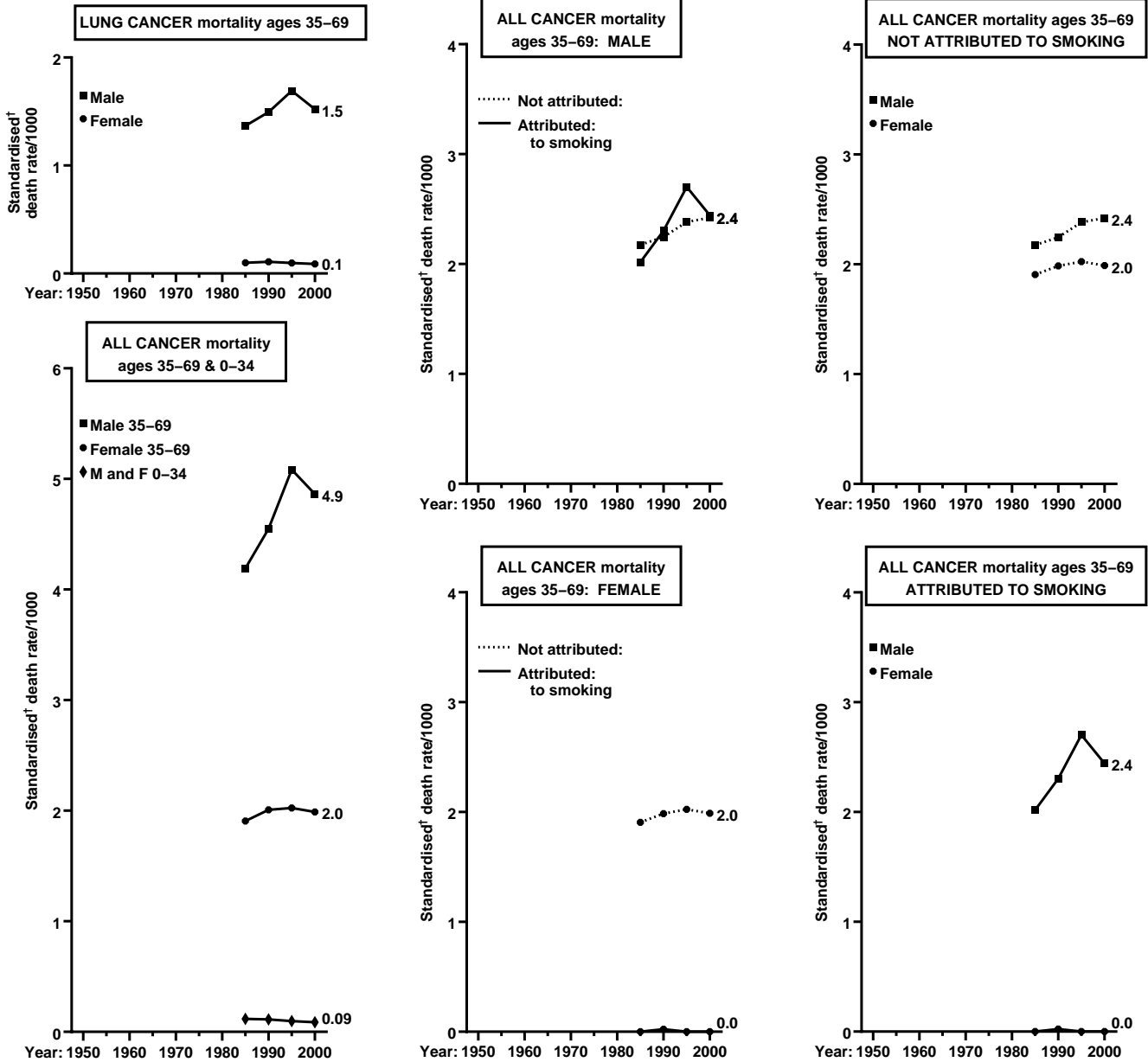


Year	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	
1965	...	...	...	...	...	...	...	...	...	...	...	
1970	...	...	...	...	...	...	...	...	...	...	...	
1975	...	...	...	...	...	...	...	...	...	...	...	
1980	...	...	...	...	...	...	...	...	...	...	...	
1985	-	1.97	5.90	11.6	10.4	67.1	-	0.94	0.00	7.60	0.00	46.6
1990	-	1.92	6.30	11.1	14.2	59.9	-	0.77	0.11	7.13	0.40	44.8
1995	-	2.31	8.47	14.6	17.1	71.3	-	0.86	0.00	8.53	0.00	51.0
2000	-	2.29	7.94	15.7	15.8	66.3	-	0.84	0.00	8.55	0.00	48.4

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: BELARUS

ALL CANCER mortality rates attributed and not attributed to smoking



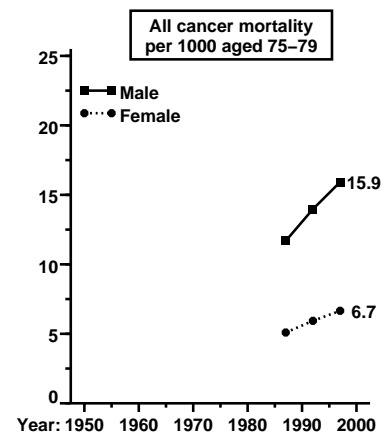
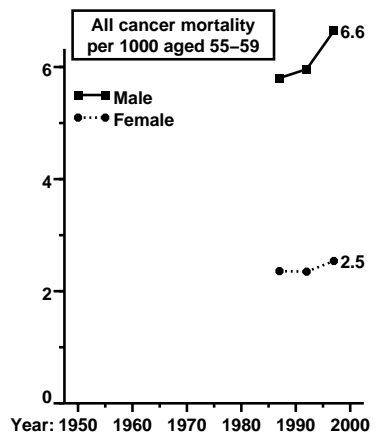
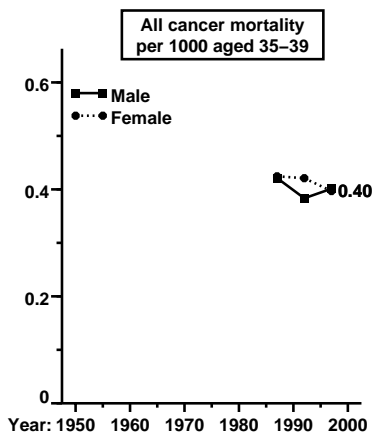
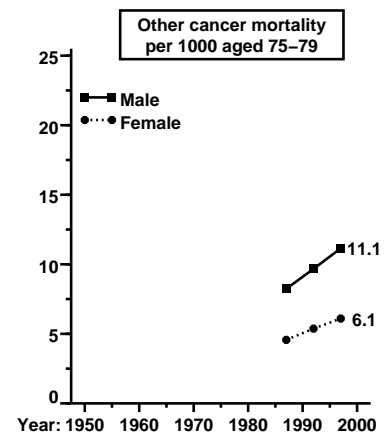
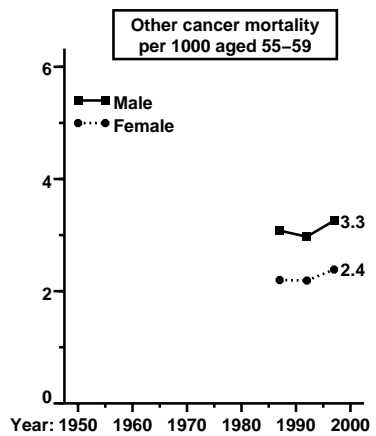
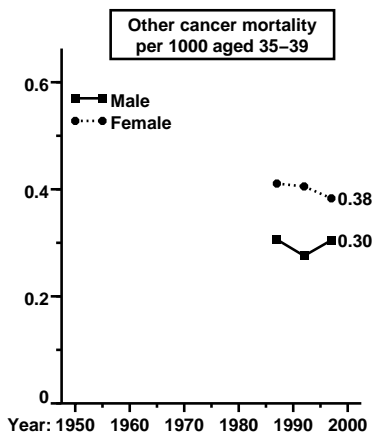
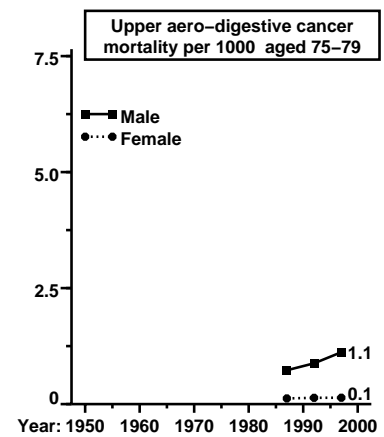
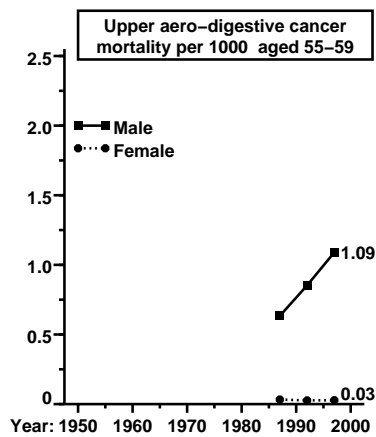
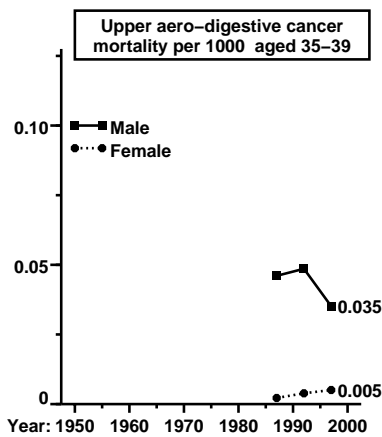
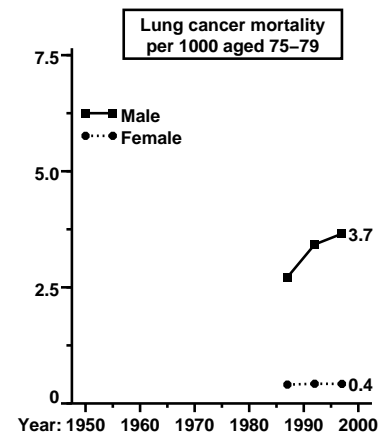
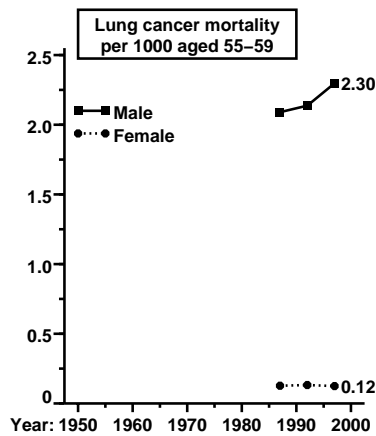
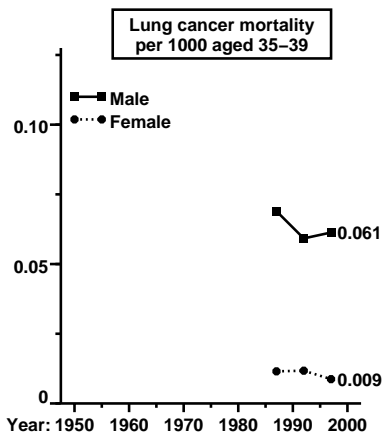
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	0.12	2.02	2.17	3.07	7.79	-	0.11	0.00	1.91	0.00	4.82	-	0.10	0.02	1.98
1990	-	0.12	2.30	2.25	4.65	8.90	-	0.10	0.00	1.98	0.00	5.76	-	0.10	0.00	6.50
1995	-	0.09	2.70	2.38	5.33	9.85	-	0.10	0.00	2.02	0.00	6.50	-	0.10	0.00	5.60
2000	-	0.09	2.44	2.42	5.07	9.49	-	0.08	0.00	1.99	0.00	5.60	-	0.08	0.00	5.60

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**BELARUS: 1985-2000**

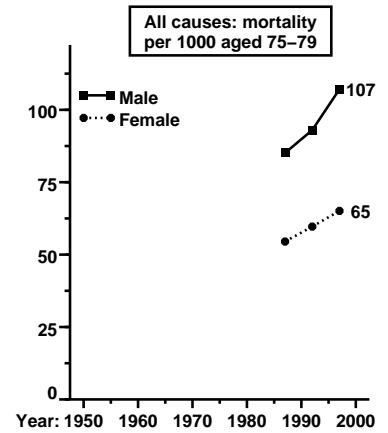
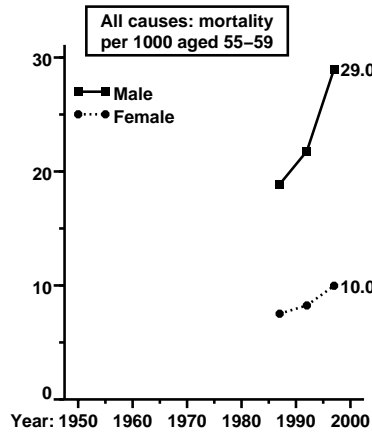
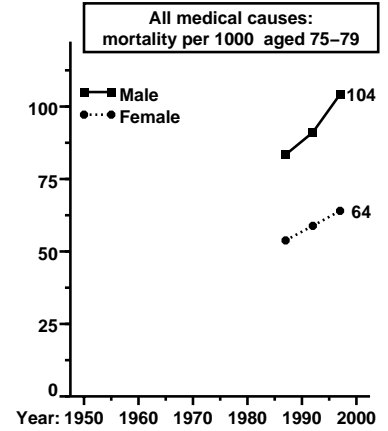
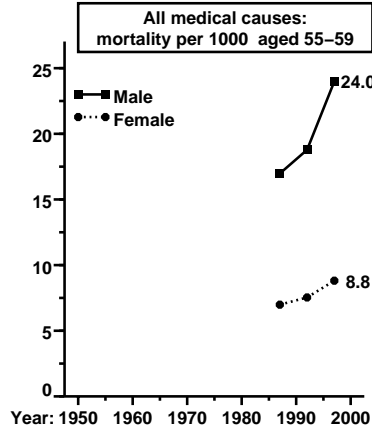
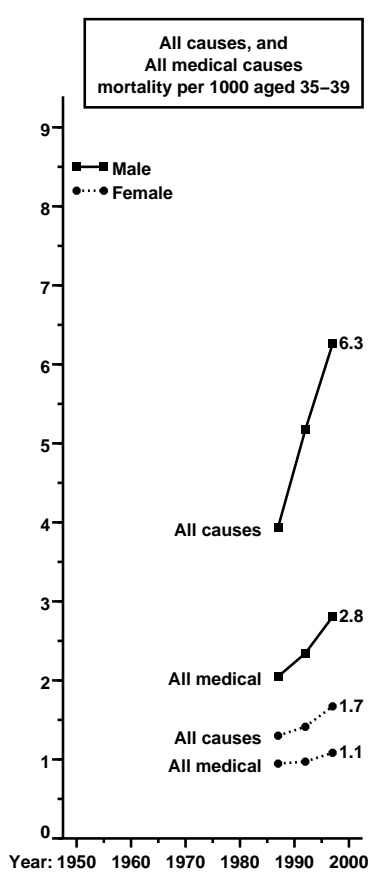
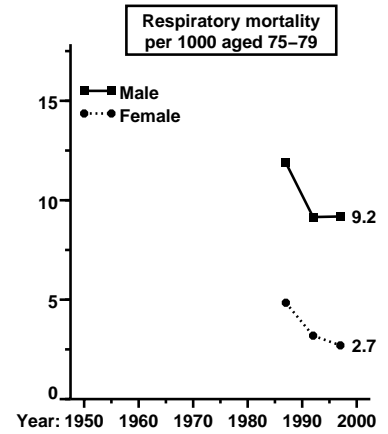
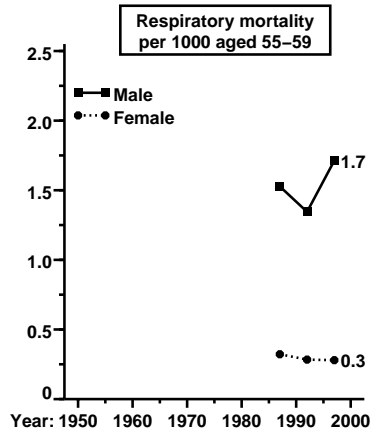
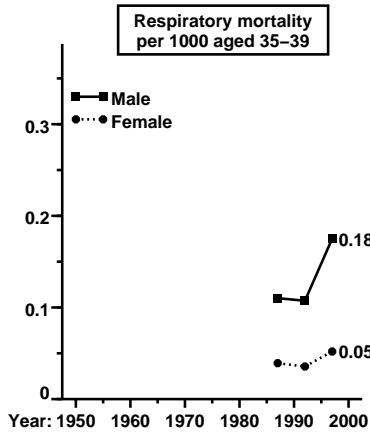
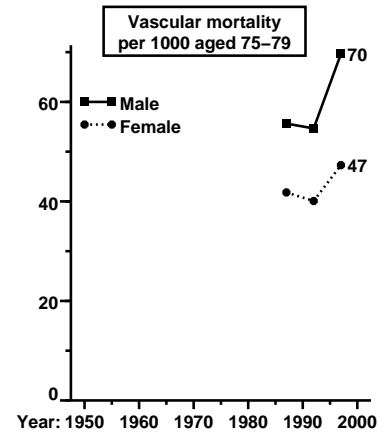
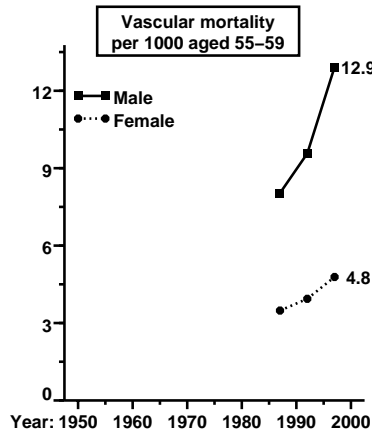
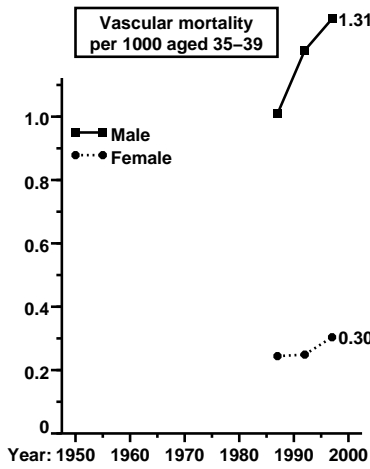
**Mortality\* trends at selected ages: 35–39, 55–59 & 75–79**



\* Annual mortality per 1000: averages of years available in 1985–89, ..., 1995–99; year 2000 on pages 74–75

1985-2000: BELARUS

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 74-75

**BELGIUM: 2000<sup>†</sup>**

<sup>†</sup>1997 rates applied  
to 2000 population

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
<b>ALL CAUSES</b>	M	52330	2024	16578	886.4	86.7	855.1	133.4	11.5	17.6	74.9	129.4	113.5	126.3
	F	52573	955	8783	534.6	43.5	425.8	108.4	8.7	15.5	32.0	43.7	39.2	57.3
<b>Tuberculosis</b>	M	83	-	25	1.4	-	1.3	-	-	-	-	-	-	-
	F	32	-	10	0.3	-	0.5	-	-	-	-	-	-	-
<b>HIV</b>	M	66	13	47	1.2	0.5	2.0	0.3	0.3	-	-	-	-	2.8
	F	23	12	11	0.5	0.5	0.4	0.7	-	0.3	-	0.3	1.2	1.1
<b>Other infective and parasitic</b>	M	506	14	144	8.5	0.6	7.5	2.1	0.3	-	1.3	-	0.6	0.3
	F	730	21	90	7.2	1.0	4.4	3.6	-	0.3	1.3	0.6	0.6	0.5
<b>ALL CANCER</b>	M	16150	158	6536	272.1	6.7	346.5	7.2	2.6	4.2	5.4	8.4	6.5	12.6
	F	11800	138	4041	143.8	5.9	196.7	3.9	3.0	3.7	4.3	5.5	5.6	15.5
<b>Mouth and pharynx cancer</b>	M	456	4	320	8.4	0.2	15.5	-	-	-	0.3	0.3	-	0.5
	F	122	-	73	1.8	-	-	-	-	-	-	-	-	-
<b>Oesophagus cancer</b>	M	443	1	260	7.8	0.0	13.3	-	-	-	-	-	-	0.3
	F	134	-	42	1.5	-	2.0	-	-	-	-	-	-	-
<b>Stomach cancer</b>	M	650	3	234	10.8	0.1	12.4	-	-	-	-	-	-	0.8
	F	504	3	78	5.1	0.1	3.9	-	-	-	-	-	0.6	0.3
<b>Colorectal cancer</b>	M	1539	4	550	25.7	0.2	29.4	-	-	-	-	0.3	0.9	-
	F	1644	6	367	17.7	0.3	18.2	-	-	-	0.3	0.3	0.3	0.8
<b>Liver cancer</b>	M	269	3	123	4.5	0.1	6.6	1.0	-	-	-	-	-	-
	F	174	1	46	1.9	0.1	2.3	0.4	-	-	-	-	-	-
<b>Pancreas cancer</b>	M	625	2	279	10.5	0.1	15.1	-	-	-	0.3	-	-	0.3
	F	649	-	172	7.3	-	8.5	-	-	-	-	-	-	-
<b>Larynx cancer</b>	M	312	1	190	5.5	0.0	9.5	-	-	-	-	-	-	0.3
	F	57	-	28	0.8	-	1.4	-	-	-	-	-	-	-
<b>Lung cancer</b>	M	5721	8	2636	96.2	0.3	141.8	-	-	-	-	0.3	0.3	1.5
	F	1080	4	504	14.5	0.2	24.8	-	-	-	-	-	0.6	0.5
<b>Malignant melanoma</b>	M	117	4	71	2.1	0.2	3.3	-	-	-	-	0.3	0.3	0.5
	F	117	6	47	1.6	0.2	2.3	-	-	-	-	-	0.3	1.3
<b>Female breast cancer</b>	F	2399	23	1203	33.5	0.9	57.7	-	0.3	-	-	-	1.2	4.8
<b>Cervix cancer</b>	F	220	5	121	3.2	0.2	5.5	-	-	-	-	-	0.3	1.1
<b>Other uterine cancer</b>	F	375	2	106	4.3	0.1	5.2	-	-	-	-	-	-	0.5
<b>Ovarian cancer</b>	F	810	11	340	10.5	0.5	16.7	-	-	-	-	1.3	0.3	1.6
<b>Prostate cancer</b>	M	1957	-	275	31.6	-	15.7	-	-	-	-	-	-	-
<b>Bladder cancer</b>	M	619	-	184	10.1	-	10.1	-	-	-	-	-	-	-
	F	241	-	40	2.3	-	2.0	-	-	-	-	-	-	-
<b>Other and ill-defined cancer sites</b>	M	2308	73	994	39.7	3.1	51.6	4.4	1.6	2.2	2.2	3.7	2.6	5.1
	F	2272	56	617	26.2	2.5	30.2	2.1	2.3	3.0	2.0	2.9	2.0	3.2
<b>Hodgkin's disease</b>	M	38	-	21	0.7	-	1.1	-	-	-	-	-	-	-
	F	26	2	12	0.3	0.1	0.6	-	-	-	0.3	-	-	0.3
<b>Myeloma and non- Hodgkin lymphomas</b>	M	582	8	245	9.8	0.3	13.1	-	-	-	0.6	0.3	0.6	0.8
	F	557	3	142	6.3	0.1	7.1	-	-	-	-	0.3	-	0.5
<b>Leukaemia</b>	M	514	47	154	8.7	2.0	7.9	1.7	1.0	1.9	1.9	3.1	2.0	2.6
	F	419	16	103	4.8	0.8	5.1	1.4	0.3	0.7	1.7	0.6	-	0.5
<b>Diabetes</b>	M	592	5	178	9.8	0.2	9.2	-	-	-	-	-	0.6	0.8
	F	1121	3	155	10.7	0.1	7.8	-	-	-	-	-	0.3	0.5
<b>ALL VASCULAR DISEASE</b>	M	17243	90	4620	287.1	3.7	243.7	1.7	0.3	0.6	4.5	4.1	4.8	9.7
	F	21305	44	1971	192.2	1.8	97.5	0.7	-	0.3	2.7	0.6	2.3	6.2
<b>Rheumatic heart disease and fever</b>	M	27	-	4	0.5	-	0.2	-	-	-	-	-	-	-
	F	45	-	8	0.5	-	0.4	-	-	-	-	-	-	-
<b>Hypertensive disease</b>	M	177	-	51	3.0	-	2.7	-	-	-	-	-	-	-
	F	377	-	35	3.4	-	1.8	-	-	-	-	-	-	-
<b>Ischaemic heart disease</b>	M	6781	23	2352	113.2	0.9	123.5	-	-	-	0.3	0.3	1.4	4.1
	F	5319	4	711	50.8	0.2	35.4	-	-	-	-	-	-	1.1
<b>Pulmonary embolism and other venous</b>	M	265	2	73	4.4	0.1	3.8	-	-	-	-	-	-	0.5
	F	509	4	71	5.0	0.2	3.5	-	-	-	-	0.3	0.3	0.5
<b>Cerebrovascular disease</b>	M	3714	27	771	61.3	1.1	40.9	-	-	0.3	1.9	1.6	0.9	3.1
	F	5890	19	537	53.2	0.8	26.3	0.4	-	0.3	1.0	-	1.5	2.4
<b>Other vascular disease</b>	M	6279	38	1369	104.8	1.6	72.5	1.7	0.3	0.3	2.2	2.2	2.6	2.1
	F	9165	17	609	79.4	0.7	30.2	0.4	-	-	1.7	0.3	0.6	2.1
<b>Chronic obstructive pulmonary disease</b>	M	3437	5	763	55.9	0.2	42.5	-	-	0.3	0.3	-	-	0.8
	F	1589	7	265	15.9	0.3	13.3	-	-	-	0.7	-	0.6	0.8
<b>Other respiratory disease</b>	M	2876	25	433	47.6	1.1	23.3	3.8	0.3	0.3	0.6	0.9	1.4	0.5
	F	2949	13	189	25.6	0.6	9.3	0.4	0.3	0.7	0.7	-	0.9	1.1
<b>Peptic ulcer</b>	M	184	1	48	3.0	0.0	2.4	-	-	-	-	-	0.3	-
	F	233	-	22	2.1	-	1.1	-	-	-	-	-	-	-
<b>Liver cirrhosis</b>	M	843	11	601	15.3	0.4	28.3	-	-	-	-	-	-	2.8
	F	510	3	316	7.7	0.1	14.4	-	-	-	-	-	-	0.8
<b>Renal disease</b>	M	505	4	73	8.3	0.2	3.9	0.3	-	-	-	-	0.3	0.5
	F	712	3	68	6.5	0.1	3.4	-	-	-	-	0.3	-	0.5
<b>Pregnancy, birth Congenital and perinatal causes</b>	F	10	8	2	0.2	0.3	0.1	-	-	-	-	0.6	0.9	0.8
	M	263	245	16	6.9	11.8	0.7	76.9	1.0	0.3	1.0	0.6	1.7	1.3
	F	234	203	28	6.3	10.2	1.3	66.9	0.3	0.3	1.0	0.3	1.8	1.1
<b>Ill-defined causes</b>	M	1173	88	294	20.7	4.0	15.0	20.5	0.3	-	-	1.9	1.7	3.8
	F	1938	41	139	17.6	2.1	6.7	13.2	-	-	0.3	0.3	0.6	-
<b>Other medical causes</b>	M	4346	127	966	73.0	5.4	48.8	5.5	1.3	1.6	4.8	10.0	5.4	9.2
	F	7149	77	685	65.9	3.6	33.3	8.9	1.7	2.7	2.3	4.2	1.2	4.0
<b>ALL NON- MEDICAL CAUSES</b>	M	4063	1238	1834	75.5	51.8	80.1	15.0	5.1	10.3	57.1	103.6	90.2	81.2
	F	2238	382	791	32.0	16.8	35.4	10.0	3.3	7.1	18.7	30.9	23.4	24.4
<b>Road traffic accidents</b>	M	1089	542	397	20.9	22.9	17.1	2.7	2.2	5.1	29.0	56.8	38.6	26.1
	F	392	161	154	7.1	7.2	7.0	1.8	1.7	5.7	11.7	14.1	7.9	7.5
<b>Fire</b>	M	65	16	31	1.2	0.7	1.4	1.4	0.6	-	-	0.9	0.6	1.3
	F	40	9	12	0.6	0.4	0.6	1.1	0.3	-	0.3	0.3	0.3	0.5
<b>Suicide</b>	M	1549	404	856	28.6	16.4	36.8	-	-	2.2	16.3	26.5	32.9	37.2
	F	590	112	367	10.4	4.7	16.1	-	-	-	3.7	8.4	10.5	10.4
<b>Homicide</b>	M	98	46	46	1.9	2.0	1.8	1.7	0.3	0.3	1.3	5.0	3.7	1.5
	F	82	32	42	1.5	1.4	1.7	1.4	0.3	0.7	1.0	1.9	2.6	1.9
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				5049.0	2294.0	2285.3	292.4	312.7	312.1	313.6	320.6	352.4	390.2	
				5254.8	2203.4	2297.1	279.6	299.9	297.7	299.8	311.1	341.9	373.4	

2000<sup>†</sup>: BELGIUM<sup>†</sup>1997 rates applied to 2000 populationAnnual death rates / 100,000  
(zero denoted by -)

## 9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK		
156.8	233.2	384.2	602.8	935.7	1359.0	2314.3	3841.5	6208.3	14504.4	M	ALL CAUSES 001-999/A00-Y89
84.8	137.8	222.9	321.0	476.5	690.8	1046.6	1869.6	3365.9	11504.8	F	
-	0.3	0.8	0.6	1.9	2.4	3.3	6.9	13.7	20.4	M	Tuberculosis 010-018, 137/
-	0.3	-	0.3	-	0.7	2.2	0.8	2.6	5.3	F	A15-A19, B90
3.6	2.0	1.9	1.7	0.4	1.2	2.9	1.0	2.6	-	M	HIV 279.5, 279.6/B20-B24
1.2	0.3	0.8	0.3	0.4	-	-	-	-	-	F	
1.7	1.5	2.5	4.6	8.5	15.4	18.5	38.4	65.1	150.4	M	Other infective and parasitic Rest of 001-139/rest of A00-B99 excl A33,A34
0.5	1.5	1.4	2.7	4.6	7.8	12.6	28.0	49.3	164.7	F	
22.1	48.8	124.4	236.0	402.8	596.1	995.5	1426.4	1957.7	3143.4	M	ALL CANCER 140-208/C00-C97
30.1	55.0	106.7	159.0	254.7	342.1	429.6	648.4	857.3	1505.1	F	
1.9	4.5	12.8	22.8	25.8	20.1	20.6	26.1	29.3	30.1	M	Mouth and pharynx cancer 140-149/C00-C14
0.5	2.3	2.5	4.4	5.3	4.4	4.3	4.6	6.1	8.8	F	
0.2	3.3	8.2	13.0	19.6	17.8	30.9	36.4	33.2	50.4	M	Oesophagus cancer 150/C15
0.2	1.0	0.6	2.7	1.5	3.3	4.7	6.1	7.8	22.1	F	
0.2	3.0	2.5	9.8	14.2	22.1	35.0	53.7	91.8	144.2	M	Stomach cancer 151/C16
1.0	0.3	1.7	1.8	4.2	8.9	9.4	28.0	37.2	100.6	F	
2.6	5.0	10.9	13.3	29.6	56.8	87.3	134.9	188.8	372.6	M	Colorectal cancer 153, 154/C18-C21
2.0	3.4	9.0	10.9	22.4	34.0	45.5	93.9	124.1	281.7	F	
0.5	-	1.6	4.6	6.9	12.2	20.6	25.6	36.5	31.0	M	Liver cancer 155.0/C22 excl C221
0.2	0.5	0.8	0.6	1.9	4.1	7.9	12.7	14.3	23.3	F	
0.5	1.3	4.6	6.4	18.9	30.0	44.5	47.8	84.6	103.5	M	Pancreas cancer 157/C25
0.5	1.5	3.4	7.4	7.6	15.9	23.1	45.6	58.0	85.4	F	
0.5	2.8	6.5	11.6	13.5	14.2	17.3	19.7	29.3	31.9	M	Larynx cancer 161/C32
-	-	1.4	1.5	3.0	1.8	1.8	2.3	6.1	3.4	F	
3.8	11.8	39.7	92.1	167.0	251.7	426.7	593.3	684.2	726.5	M	Lung cancer 162/C33, C34
2.5	4.9	12.9	19.1	32.6	45.4	56.0	66.3	77.0	84.3	F	
1.9	1.3	3.5	3.8	2.3	2.8	7.8	8.9	5.2	14.2	M	Malignant melanoma 172/C43
0.5	1.0	1.7	1.2	3.4	4.1	4.0	7.3	9.1	9.1	F	
9.7	21.2	37.0	59.2	85.8	90.9	100.1	114.6	135.4	213.9	F	Female breast cancer 174/C50
2.5	4.1	6.7	4.4	6.1	8.1	6.5	9.6	8.2	19.1	F	Cervix cancer 180/C53
1.0	1.0	2.0	2.7	4.6	11.1	14.5	24.2	33.3	48.4	F	Other uterine cancer 179, 182/C54, C55
1.2	4.1	8.1	13.3	20.1	32.1	37.9	47.2	59.3	75.9	F	Ovarian cancer 183/C56, C570-C574
-	0.5	1.1	1.7	10.0	27.2	69.2	144.8	313.2	802.7	M	Prostate cancer 185/C61
0.2	0.5	2.5	3.8	10.0	17.8	36.2	60.6	89.8	154.0	M	Bladder cancer 188/C67
-	0.5	0.3	1.2	1.5	3.3	7.2	8.4	18.6	51.8	F	
4.8	12.0	23.1	39.0	65.0	82.8	134.7	174.3	245.4	451.3	M	Other and ill-defined cancer sites Rest of 140-199/rest of C00-C80, C97
5.7	5.9	13.4	23.6	38.0	52.1	73.0	109.7	172.1	348.8	F	
-	0.3	0.8	0.9	1.9	2.4	1.2	3.9	2.0	5.3	M	Hodgkin's disease 201/C81
0.5	0.3	0.3	-	-	1.1	1.8	0.8	1.3	2.7	F	
1.4	1.8	3.3	7.5	12.7	24.9	40.4	50.2	69.7	106.2	M	Myeloma and non-Hodgkin lymphomas 200, 202-203/C82-C90, C96
0.7	1.5	2.8	3.2	10.6	12.6	18.1	43.7	54.1	66.0	F	Leukaemia 204-208/C91-C95
3.4	1.0	3.3	5.8	5.4	13.4	23.1	46.3	54.7	119.5	M	
1.2	1.3	2.2	2.1	6.1	8.9	13.7	23.4	35.5	59.9	F	
1.4	2.8	2.7	7.5	8.5	14.2	27.6	50.2	84.6	156.6	M	Diabetes 250/E10-E14
0.5	1.8	1.4	3.2	3.4	15.9	28.2	45.6	91.7	240.9	F	
19.9	52.1	90.7	157.1	267.8	388.6	729.4	1261.4	2240.9	5777.9	M	ALL VASCULAR DISEASE 390-459/I00-I99
12.7	21.9	34.2	53.9	80.5	157.7	321.9	666.4	1407.0	5451.4	F	
-	-	-	0.3	0.8	-	0.4	3.0	2.6	11.5	M	Rheumatic heart disease and fever 390-398/I00-I09
-	-	0.3	-	0.4	0.4	1.8	2.7	3.9	8.0	F	
-	0.3	2.2	0.9	2.7	4.3	8.6	13.3	19.5	61.1	M	Hypertensive disease 401-405/I10-I15
-	-	0.6	0.9	1.5	2.6	6.9	13.4	20.3	99.1	F	
10.1	24.5	52.0	83.2	146.6	201.2	346.8	576.1	887.4	1657.5	M	Ischaemic heart disease 410-414/I20-I25
2.5	6.2	11.2	20.3	27.0	60.6	120.3	223.9	454.6	1131.9	F	
1.0	0.8	1.9	2.6	3.5	5.1	11.5	17.2	39.1	84.1	M	Pulmonary embolism and other venous 415.1, 451-453/I26, I80-I82
0.5	1.3	0.8	2.7	3.0	5.9	10.1	22.6	44.1	104.1	F	
2.2	11.5	12.0	23.7	41.6	64.7	131.0	234.9	545.6	1416.8	M	Cerebrovascular disease 430-438/I60-I69
4.7	7.2	12.6	14.7	23.9	41.4	79.5	181.7	383.2	1515.1	F	
6.7	15.0	22.6	46.5	72.7	113.2	231.1	417.0	746.7	2546.9	M	Other vascular disease Rest of 390-459/rest of I00-I99
5.0	7.2	8.7	15.3	24.7	46.9	103.3	222.0	500.9	2593.2	F	
1.4	4.0	5.2	11.6	34.6	76.5	163.9	312.7	502.6	1116.8	M	Chronic obstructive pulmonary disease 490-496/J40-J47, J67
0.5	1.0	2.8	10.0	15.9	27.7	35.4	69.4	118.1	329.0	F	
1.7	3.5	5.2	13.3	21.5	41.4	76.6	186.6	380.9	1286.7	M	Other respiratory disease Rest of 460-519/rest of J00-J98
1.0	1.8	3.6	7.4	9.9	14.8	26.7	65.2	134.5	863.9	F	
1.2	0.5	1.4	2.3	0.8	3.9	6.6	12.3	24.7	63.7	M	Peptic ulcer 531-533/K25-K27
0.2	0.3	0.6	0.6	1.1	1.5	3.3	7.7	15.1	59.5	F	
7.7	16.3	25.9	36.7	44.6	30.0	37.1	46.3	62.5	36.3	M	Liver cirrhosis 571/K70, K74
6.2	8.3	16.0	15.3	14.8	17.7	22.8	23.4	24.7	27.8	F	
0.7	0.8	0.8	2.3	4.2	6.7	11.5	27.1	84.0	215.9	M	Renal disease 580-590/N00-N19
0.2	0.3	0.8	3.2	2.3	6.6	10.1	27.2	48.9	174.2	F	
0.5	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth 630-676/A34,000-099
0.5	0.8	0.8	0.6	0.8	0.4	1.2	0.5	0.7	-	M	Congenital and perinatal causes 740-779/A33, P00-P96, Q00-Q99
0.2	1.0	1.4	1.5	3.0	1.5	0.4	-	-	1.1	F	Ill-defined causes 780-799/R00-R99
2.4	5.0	6.8	11.6	18.9	27.2	33.4	62.0	98.3	454.9	M	
1.5	2.3	3.9	4.4	8.7	9.2	17.0	34.1	77.4	568.1	F	
10.8	16.0	29.7	39.9	41.9	74.6	128.5	291.5	504.6	1669.0	M	Other medical causes Rest of 001-799/rest of A00-R99
6.0	12.1	16.2	21.8	38.0	48.0	91.0	198.2	452.9	1838.7	F	
81.7	78.9	85.5	77.1	78.5	80.5	78.3	118.2	185.5	412.4	M	ALL NON-MEDICAL CAUSES E800-E999/V01-Y89
23.4	29.9	33.0	37.4	39.1	39.5	45.5	55.2	86.5	274.9	F	
23.3	17.5	15.2	15.3	13.9	17.0	17.3	26.1	35.8	37.2	M	Road traffic accidents E810-E819, E826-E829/part of V01-V99, Y850
4.7	5.7	4.2	7.4	6.8	8.5	11.6	8.1	10.4	12.2	F	
1.4	1.0	0.3	2.3	1.2	2.0	1.6	3.0	3.3	6.2	M	Fire E890-E899/X00-X09
0.5	-	0.6	0.3	0.4	1.5	0.7	3.1	1.3	3.0	F	
37.2	40.8	43.6	37.3	37.3	32.7	28.4	38.9	65.1	97.3	M	Suicide E950-E959/X60-X84
11.9	15.5	19.9	17.4	21.3	15.1	11.6	14.6	14.7	14.9	F	
3.8	2.8	1.1	2.0	1.9	0.8	0.4	1.0	2.6	-	M	Homicide E960-E969/X85-X99, Y00-Y09
2.5	3.6	0.6	1.8	1.5	0.4	1.8	-	2.6	0.8	F	
416.4	399.2	367.3	346.2	259.9	253.5	242.8	203.1	153.6	113.0	M	POPULATION (1000s; UN, 2004 revision)
401.9	387.6	357.1	339.6	263.4	270.7	276.8	260.8	231.2	262.3	F	

**BELGIUM: 1995, 2000<sup>‡</sup>**<sup>‡</sup>2000 mortality involves 1997 rates applied to 2000 population**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2312	129	4	0	125	12	19	101	9	692	1350
35-69	Sm.	7438	4024	2753	558	713	761	162	1721	-	770	-
	Total	18038 (41%)	7153 (56%)	2912 (95%)	780 (72%)	3461 (21%)	917 (83%)	482 (34%)	4889 (35%)	525	2125 (36%)	1947
70+	Sm.	9555	4014	2707	254	1053	2126	347	2178	-	890	-
	Total	32686 (29%)	8990 (45%)	2886 (94%)	367 (69%)	5737 (18%)	2636 (81%)	2064 (17%)	12628 (17%)	202	5256 (17%)	910
Any age	Sm.	16993	8038	5460	812	1766	2887	509	3899	-	1660	-
	Total	53036 (32%)	16272 (49%)	5802 (94%)	1147 (71%)	9323 (19%)	3565 (81%)	2565 (20%)	17618 (22%)	736	8073 (21%)	4207
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2024	158	8	6	144	5	25	90	11	497	1238
35-69	Sm.	6468	3592	2476	532	584	620	139	1516	-	601	-
	Total	16578 (39%)	6536 (55%)	2636 (94%)	770 (69%)	3130 (19%)	763 (81%)	433 (32%)	4620 (33%)	601	1791 (34%)	1834
70+	Sm.	9447	4170	2870	292	1008	2110	366	1963	-	838	-
	Total	33728 (28%)	9456 (44%)	3077 (93%)	435 (67%)	5944 (17%)	2669 (79%)	2418 (15%)	12533 (16%)	231	5430 (15%)	991
Any age	Sm.	15915	7762	5346	824	1592	2730	505	3479	-	1439	-
	Total	52330 (30%)	16150 (48%)	5721 (93%)	1211 (68%)	9218 (17%)	3437 (79%)	2876 (18%)	17243 (20%)	843	7718 (19%)	4063

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	4956.6	2385.6	2162.0	398.7	369.3	352.7	269.5	268.4	266.1	237.3	197.7	96.3	115.0
2000	5049.0	2294.0	2285.3	416.4	399.2	367.3	346.2	259.9	253.5	242.8	203.1	153.6	113.0
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	53036	2312	18038	723	968	1468	1764	2604	4243	6268	8536	6783	17367
2000	52330	2024	16578	653	931	1411	2087	2432	3445	5619	7802	9536	16390
<b>Lung cancer</b>													
1995	5802	4	2912	26	65	156	233	509	806	1117	1169	747	970
2000	5721	8	2636	16	47	146	319	434	638	1036	1205	1051	821
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	969.8*	94.0*	960.0*	181.3	262.1	416.2	654.5	970.2	1594.5	2641.4	4317.7	7043.6	15101.7
2000	886.4*	86.7*	855.1*	156.8	233.2	384.2	602.8	935.7	1359.0	2314.3	3841.5	6208.3	14504.4
<b>All cancer</b>													
1995	298.2*	5.1*	388.6*	29.6	59.6	133.5	253.8	431.1	700.5	1112.1	1498.7	2194.2	3403.5
2000	272.1*	6.7*	346.5*	22.1	48.8	124.4	236.0	402.8	596.1	995.5	1426.4	1957.7	3143.4
<b>Lung cancer</b>													
1995	106.4*	0.1*	159.7*	6.5	17.6	44.2	86.5	189.6	302.9	470.7	591.3	775.7	843.5
2000	96.2*	0.3*	141.8*	3.8	11.8	39.7	92.1	167.0	251.7	426.7	593.3	684.2	726.5
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	22.1*	-	40.8*	3.0	11.9	27.5	51.9	48.8	62.4	80.1	84.5	78.9	107.8
2000	21.7*	0.2*	38.3*	2.6	10.5	27.5	47.4	58.9	52.1	68.8	82.2	91.8	112.4
<b>Other cancer</b>													
1995	169.7*	4.9*	188.1*	20.1	30.1	61.8	115.4	192.6	335.2	561.3	823.0	1339.6	2452.2
2000	154.3*	6.1*	166.4*	15.6	26.6	57.2	96.5	177.0	292.3	500.0	750.9	1181.6	2304.4
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	63.5*	0.5*	51.5*	1.3	3.0	8.2	17.4	38.0	98.1	194.7	367.2	612.7	1147.8
2000	55.9*	0.2*	42.5*	1.4	4.0	5.2	11.6	34.6	76.5	163.9	312.7	502.6	1116.8
<b>Other respiratory disease</b>													
1995	45.6*	0.8*	26.8*	1.5	3.0	6.2	7.4	19.7	51.5	98.2	199.3	367.6	1144.3
2000	47.6*	1.1*	23.3*	1.7	3.5	5.2	13.3	21.5	41.4	76.6	186.6	380.9	1286.7
<b>Vascular disease</b>													
1995	317.9*	3.9*	265.4*	22.8	49.3	96.1	165.5	266.0	457.7	800.3	1519.0	2686.4	6120.0
2000	287.1*	3.7*	243.7*	19.9	52.1	90.7	157.1	267.8	388.6	729.4	1261.4	2240.9	5777.9
<b>Liver cirrhosis</b>													
1995	14.1*	0.3*	26.4*	6.8	16.0	25.0	28.9	28.7	28.2	51.0	53.6	37.4	52.2
2000	15.3*	0.4*	28.3*	7.7	16.3	25.9	36.7	44.6	30.0	37.1	46.3	62.5	36.3
<b>Other medical causes</b>													
1995	149.6*	30.0*	111.0*	29.6	41.4	61.0	84.6	100.6	173.6	286.1	546.3	964.7	2823.5
2000	132.8*	22.8*	90.8*	22.3	29.6	47.4	71.1	85.8	146.0	233.5	489.9	878.3	2731.0
<b>All non-medical causes</b>													
1995	80.9*	53.4*	90.4*	89.8	89.9	86.2	96.8	86.1	84.9	99.0	133.5	180.7	410.4
2000	75.5*	51.8*	80.1*	81.7	78.9	85.5	77.1	78.5	80.5	78.3	118.2	185.5	412.4

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994



1995, 2000<sup>‡</sup>: BELGIUM<sup>‡</sup>2000 mortality involves 1997 rates applied to 2000 population

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1080	143	5	0	138	13	17	62	10	420	415
35-69	Sm.	984	419	317	44	58	168	19	231	-	147	-
	Total	9593 (10%)	4476 (9%)	502 (63%)	142 (31%)	3832 (2%)	341 (49%)	178 (11%)	2179 (11%)	266	1365 (11%)	788
70+	Sm.	1450	334	242	34	58	455	44	410	-	207	-
	Total	41188 (4%)	7297 (5%)	468 (52%)	171 (20%)	6658 (1%)	1272 (36%)	2200 (2%)	19216 (2%)	204	9915 (2%)	1084
Any age	Sm.	2434	753	559	78	116	623	63	641	-	354	-
	Total	51861 (5%)	11916 (6%)	975 (57%)	313 (25%)	10628 (1%)	1626 (38%)	2395 (3%)	21457 (3%)	480	11700 (3%)	2287
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	955	138	4	0	134	7	13	44	3	368	382
35-69	Sm.	907	414	319	44	51	132	20	209	-	132	-
	Total	8783 (10%)	4041 (10%)	504 (63%)	143 (31%)	3394 (2%)	265 (50%)	189 (11%)	1971 (11%)	316	1210 (11%)	791
70+	Sm.	1825	435	319	42	74	547	68	501	-	274	-
	Total	42835 (4%)	7621 (6%)	572 (56%)	170 (25%)	6879 (1%)	1317 (42%)	2747 (2%)	19290 (3%)	191	10604 (3%)	1065
Any age	Sm.	2732	849	638	86	125	679	88	710	-	406	-
	Total	52573 (5%)	11800 (7%)	1080 (59%)	313 (27%)	10407 (1%)	1589 (43%)	2949 (3%)	21305 (3%)	510	12182 (3%)	2238

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <sup>nk</sup>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	5180.1	2290.6	2204.4	387.5	358.6	343.4	268.4	278.1	288.7	279.7	262.2	151.7	271.2
2000	5254.8	2203.4	2297.1	401.9	387.6	357.1	339.6	263.4	270.7	276.8	260.8	231.2	262.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	51861	1080	9593	358	573	804	860	1363	2216	3419	5486	5716	29986
2000	52573	955	8783	341	534	796	1090	1255	1870	2897	4876	7782	30177
<b>Lung cancer</b>													
1995	975	5	502	14	23	45	46	88	125	161	176	100	192
2000	1080	4	504	10	19	46	65	86	123	155	173	178	221
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	556.4*	46.6*	469.5*	92.4	159.8	234.1	320.4	490.1	767.6	1222.4	2092.3	3768.0	11056.8
2000	534.6*	43.5*	425.8*	84.8	137.8	222.9	321.0	476.5	690.8	1046.6	1869.6	3365.9	11504.8
<b>All cancer</b>													
1995	154.1*	5.8*	219.8*	30.7	72.2	112.4	169.2	257.5	383.4	513.0	677.3	922.2	1519.9
2000	143.8*	5.9*	196.7*	30.1	55.0	106.7	159.0	254.7	342.1	429.6	648.4	857.3	1505.1
<b>Lung cancer</b>													
1995	14.0*	0.2*	24.7*	3.6	6.4	13.1	17.1	31.6	43.3	57.6	67.1	65.9	70.8
2000	14.5*	0.2*	24.8*	2.5	4.9	12.9	19.1	32.6	45.4	56.0	66.3	77.0	84.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	4.4*	-	7.0*	-	3.3	4.7	7.5	9.3	13.2	10.7	14.1	26.4	34.7
2000	4.2*	-	6.8*	0.7	3.4	4.5	8.5	9.9	9.6	10.8	13.0	19.9	34.3
<b>Other cancer</b>													
1995	135.7*	5.6*	188.1*	27.1	62.5	94.6	144.6	216.5	327.0	444.8	596.1	829.9	1414.5
2000	125.1*	5.8*	165.2*	26.9	46.7	89.3	131.3	212.2	287.0	362.7	569.0	760.4	1386.6
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	17.7*	0.6*	17.0*	1.5	3.1	5.0	8.6	15.1	31.2	54.3	87.7	139.1	306.4
2000	15.9*	0.3*	13.3*	0.5	1.0	2.8	10.0	15.9	27.7	35.4	69.4	118.1	329.0
<b>Other respiratory disease</b>													
1995	21.7*	0.7*	8.9*	1.5	1.7	1.2	8.2	7.2	14.9	27.5	65.6	139.7	669.6
2000	25.6*	0.6*	9.3*	1.0	1.8	3.6	7.4	9.9	14.8	26.7	65.2	134.5	863.9
<b>Vascular disease</b>													
1995	203.3*	2.6*	108.2*	9.8	22.6	35.8	51.0	91.0	182.5	364.7	792.5	1623.6	5411.1
2000	192.2*	1.8*	97.5*	12.7	21.9	34.2	53.9	80.5	157.7	321.9	666.4	1407.0	5451.4
<b>Liver cirrhosis</b>													
1995	7.6*	0.4*	12.8*	3.1	7.3	11.9	15.6	16.5	19.1	15.7	30.5	40.2	23.2
2000	7.7*	0.1*	14.4*	6.2	8.3	16.0	15.3	14.8	17.7	22.8	23.4	24.7	27.8
<b>Other medical causes</b>													
1995	118.6*	19.2*	66.8*	15.2	21.2	31.5	36.1	63.6	105.0	194.9	369.6	800.3	2851.0
2000	117.3*	18.0*	59.0*	10.9	19.9	26.6	38.0	61.5	91.2	164.7	341.6	737.9	3052.6
<b>All non-medical causes</b>													
1995	33.4*	17.4*	36.2*	30.5	31.8	36.4	31.7	39.2	31.5	52.2	69.0	102.8	275.4
2000	32.0*	16.8*	35.4*	23.4	29.9	33.0	37.4	39.1	39.5	45.5	55.2	86.5	274.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

**BELGIUM: 2000<sup>†</sup>**<sup>†</sup>2000 mortality involves 1997 rates applied to 2000 population**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.0	– / 1.0	–
35–69	6.5 / 17	0.9 / 8.8	22 years
70+	9.4 / 34	1.8 / 43	8 years
All ages	16 / 52	2.7 / 53	14 years

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.5/2.6	2.9/3.1	5.3/5.7	–/0.0	0.3/0.5	0.3/0.6	0.6/1.1
All Cancer	–/0.2	3.6/6.5 (55%)	4.2/9.5 (44%)	7.8/16	–/0.1	0.4/4.0 (10%)	0.4/7.6 (6%)	0.8/12
Vascular	–/0.1	1.5/4.6	2.0/13	3.5/17	–/0.0	0.2/2.0	0.5/19	0.7/21
Respiratory	–/0.0	0.8/1.2	2.5/5.1	3.2/6.3	–/0.0	0.2/0.5	0.6/4.1	0.8/4.5
All Other	–/1.7	0.6/4.2	0.8/6.7	1.4/13	–/0.8	0.1/2.3	0.3/12	0.4/15
All Causes	–/2.0	6.5/17 (39%)	9.4/34 (28%)	16/52	–/1.0	0.9/8.8 (10%)	1.8/43 (4%)	2.7/53

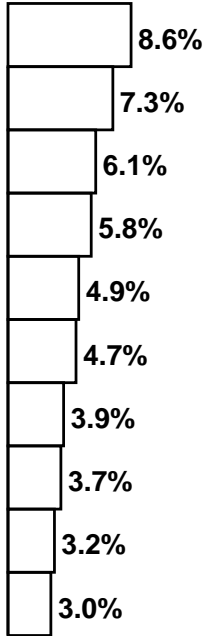
**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	7.8 / 16 (48%)	0.8 / 12 (7%)	8.6 / 28 (31%)
All Causes	16 / 52 (30%)	2.7 / 53 (5%)	19 / 105 (18%)

**1955-2000<sup>‡</sup>: BELGIUM**

<sup>‡</sup>2000 mortality involves 1997 rates applied to 2000 population

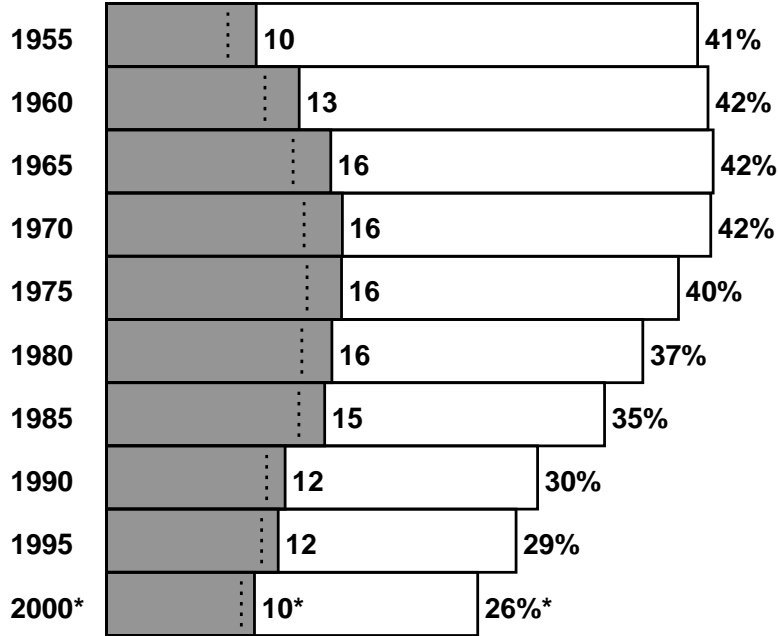
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

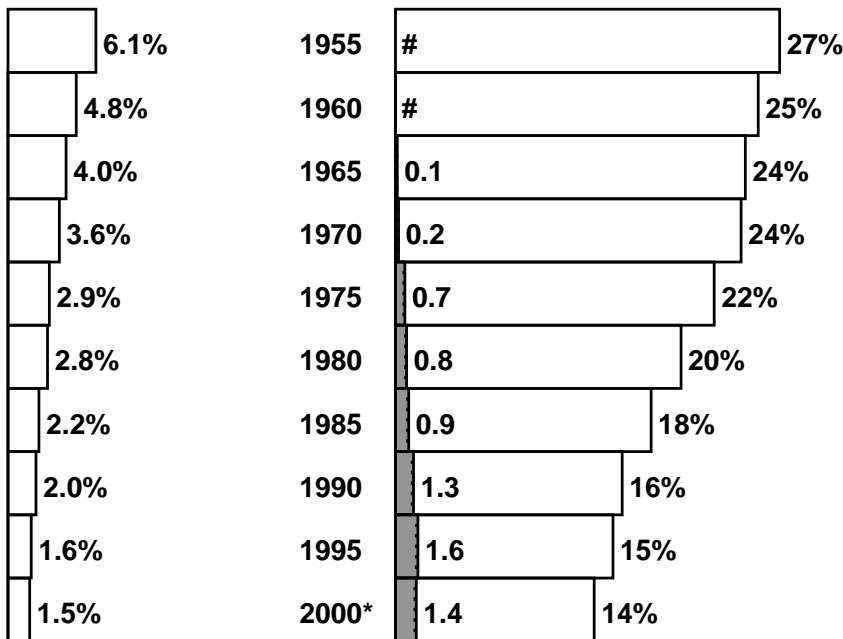
\*eg, at year 2000 male death rates, out of 100 men aged 35, 26 would die before age 70 (with 10 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

**BELGIUM: 1950-2000<sup>†</sup>**<sup>†</sup>2000 mortality involves 1997 rates applied to 2000 population**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/6.2	6.4/24 <b>(27%)</b>	1.5/28 <b>(6%)</b>	7.9/58	-/4.2	0.0/16	0.0/31	0.0/51
1960	-/5.3	8.5/26 <b>(33%)</b>	2.5/30 <b>(8%)</b>	11/61	-/3.4	0.0/16	0.0/34	0.0/53
1965	-/4.6	10/27 <b>(37%)</b>	4.3/30 <b>(14%)</b>	14/62	-/2.9	0.1/15 <b>(0.5%)</b>	0.1/35 <b>(0.4%)</b>	0.2/53
1970	-/4.2	10/26 <b>(39%)</b>	6.0/32 <b>(19%)</b>	16/63	-/2.5	0.1/15 <b>(0.9%)</b>	0.1/38 <b>(0.1%)</b>	0.2/56
1975	-/3.6	9.8/24 <b>(41%)</b>	8.4/35 <b>(24%)</b>	18/63	-/1.9	0.4/14 <b>(3%)</b>	0.6/41 <b>(1%)</b>	1.0/57
1980	-/3.5	9.2/22 <b>(42%)</b>	9.3/34 <b>(27%)</b>	18/60	-/1.9	0.5/12 <b>(4%)</b>	0.6/41 <b>(1%)</b>	1.1/54
1985	-/2.8	8.7/20 <b>(44%)</b>	10/35 <b>(29%)</b>	19/57	-/1.4	0.5/10 <b>(5%)</b>	0.8/43 <b>(2%)</b>	1.4/54
1990	-/2.7	7.8/19 <b>(41%)</b>	8.9/31 <b>(28%)</b>	17/53	-/1.3	0.8/10 <b>(8%)</b>	0.8/40 <b>(2%)</b>	1.6/51
1995	-/2.3	7.4/18 <b>(41%)</b>	9.6/33 <b>(29%)</b>	17/53	-/1.1	1.0/9.6 <b>(10%)</b>	1.5/41 <b>(4%)</b>	2.4/52
2000	-/2.0	6.5/17 <b>(39%)</b>	9.4/34 <b>(28%)</b>	16/52	-/1.0	0.9/8.8 <b>(10%)</b>	1.8/43 <b>(4%)</b>	2.7/53

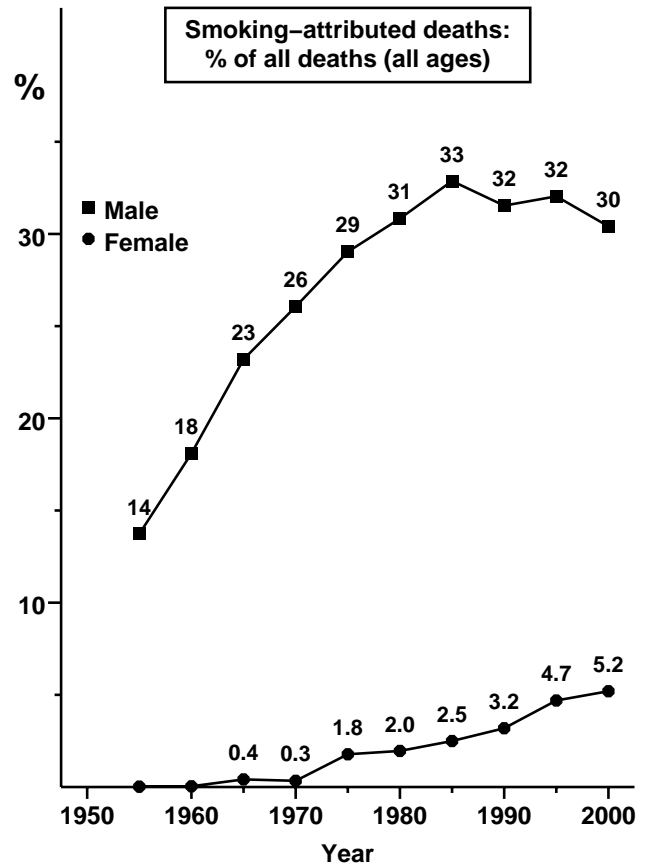
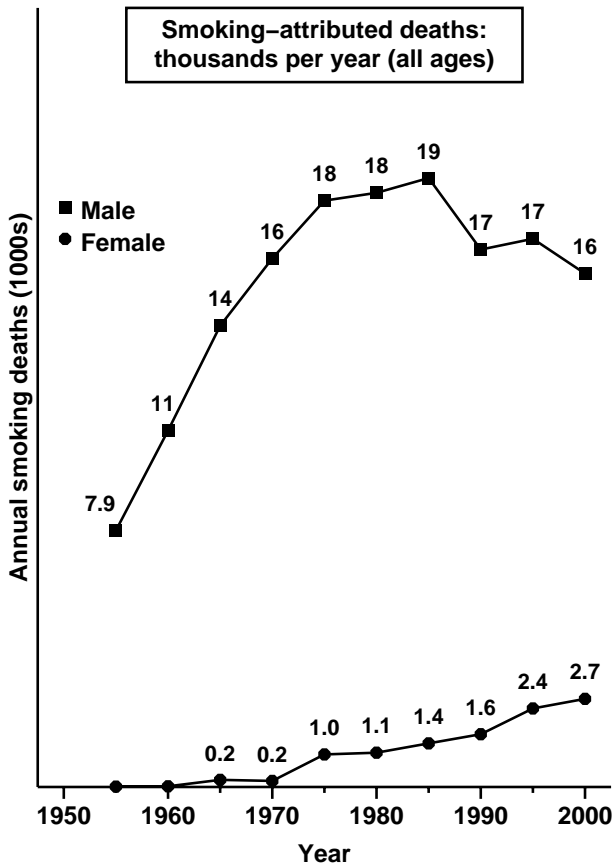
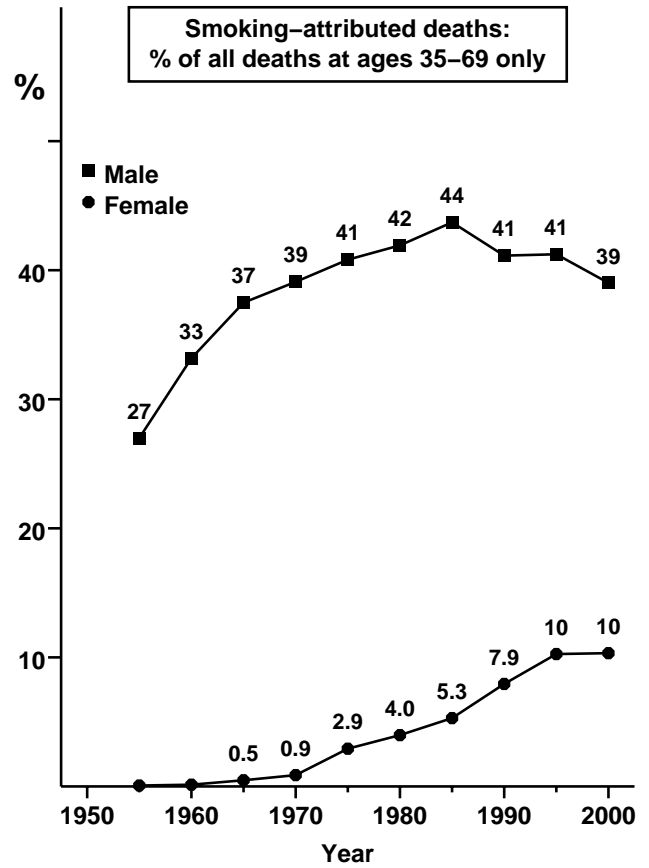
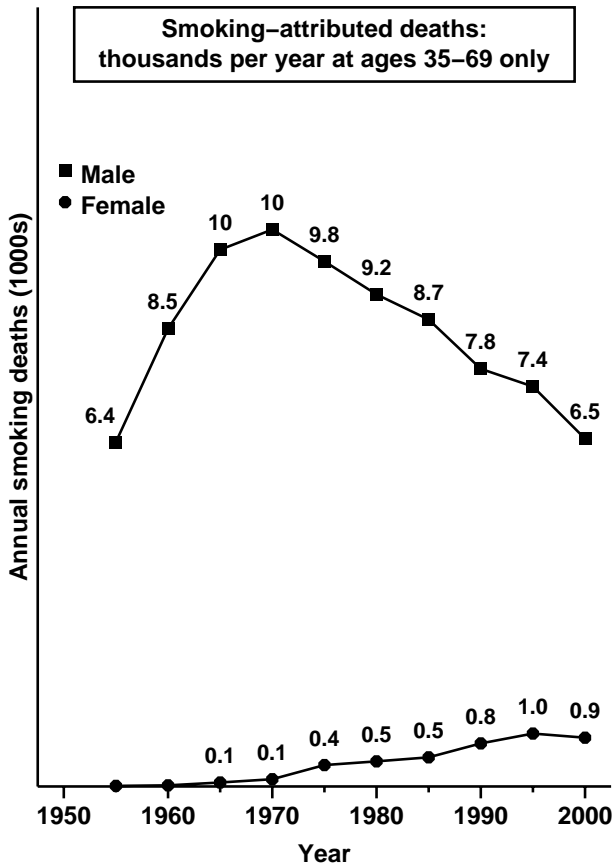
**50-year total\* (thousands), mid-1950 to mid-2000: 813 / 5597****1950-2000 by age & sex:**

-/194	423/1122 <b>(38%)</b>	340/1610 <b>(21%)</b>	763/2926	-/116	20/646 <b>(3%)</b>	30/1909 <b>(2%)</b>	50/2671
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 &amp; 1995

1955-2000<sup>‡</sup>: BELGIUM

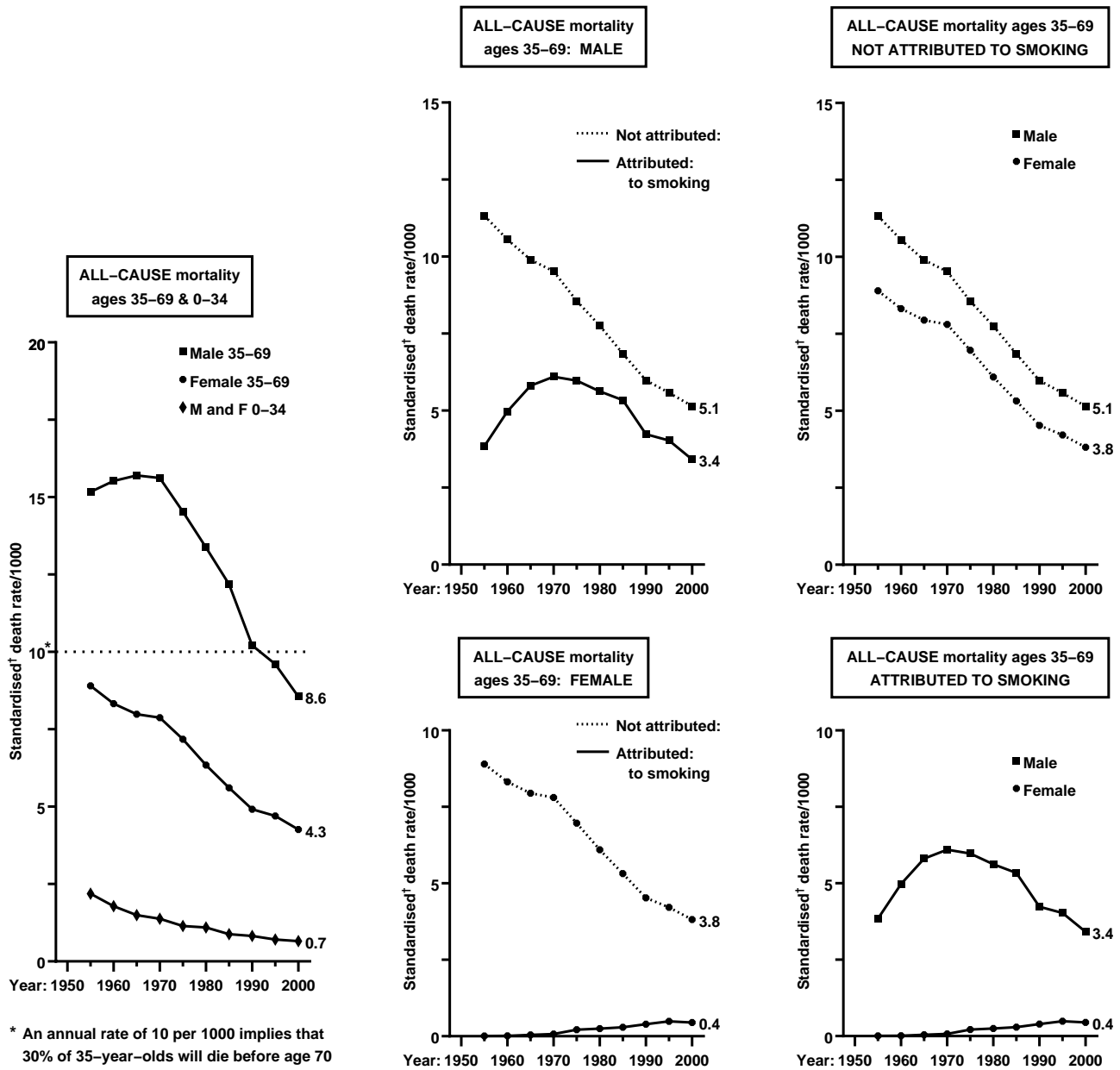
<sup>‡</sup>2000 mortality involves 1997 rates applied to 2000 population



**BELGIUM: 1955-2000<sup>†</sup>**

<sup>†</sup>2000 mortality involves 1997 rates applied to 2000 population

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

<sup>†</sup> Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

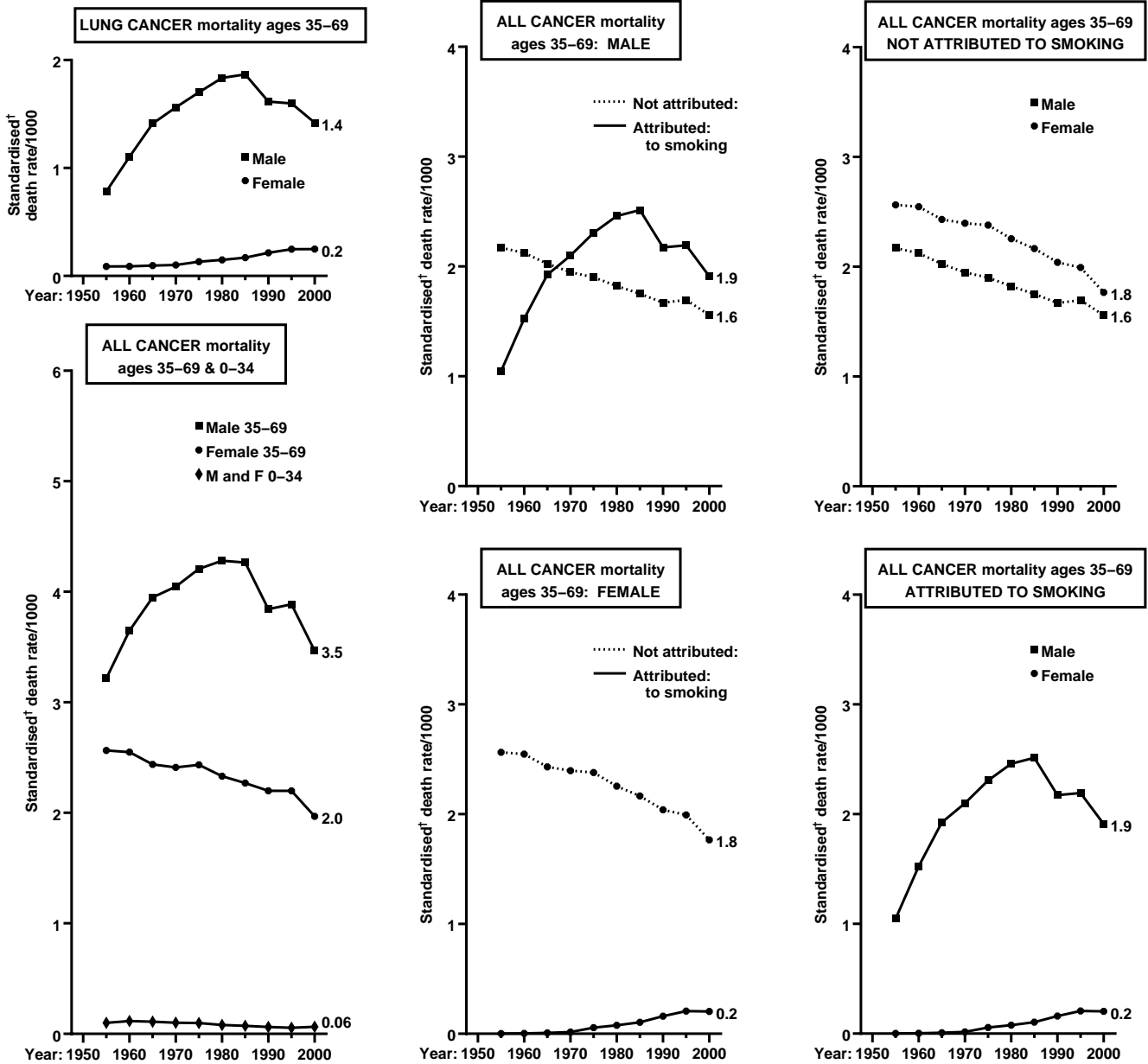
Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	2.56	3.84	11.3	5.11	74.7	-	1.81	0.01	8.90	0.00	61.7	-	1.81	0.01	8.90	0.00	61.7
1960	-	2.17	4.97	10.5	8.17	73.6	-	1.39	0.01	8.31	0.00	59.9	-	1.39	0.01	8.31	0.00	59.9
1965	-	1.80	5.80	9.89	13.3	67.1	-	1.18	0.04	7.94	0.22	54.6	-	1.18	0.04	7.94	0.22	54.6
1970	-	1.71	6.10	9.52	17.6	64.3	-	1.04	0.07	7.80	0.12	53.3	-	1.04	0.07	7.80	0.12	53.3
1975	-	1.44	5.97	8.56	22.3	60.6	-	0.84	0.21	6.96	0.82	49.5	-	0.84	0.21	6.96	0.82	49.5
1980	-	1.39	5.62	7.75	22.9	53.3	-	0.80	0.25	6.09	0.73	41.5	-	0.80	0.25	6.09	0.73	41.5
1985	-	1.13	5.34	6.84	23.4	48.8	-	0.62	0.29	5.31	1.02	37.4	-	0.62	0.29	5.31	1.02	37.4
1990	-	1.07	4.23	5.98	20.0	41.2	-	0.56	0.39	4.52	0.93	31.3	-	0.56	0.39	4.52	0.93	31.3
1995	-	0.94	4.03	5.58	18.7	38.1	-	0.47	0.48	4.21	1.48	27.8	-	0.47	0.48	4.21	1.48	27.8
2000	-	0.87	3.41	5.14	16.2	34.1	-	0.44	0.45	3.81	1.50	24.7	-	0.44	0.45	3.81	1.50	24.7

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000<sup>†</sup>: BELGIUM

<sup>‡</sup>2000 mortality involves 1997 rates applied to 2000 population

ALL CANCER mortality rates attributed and not attributed to smoking



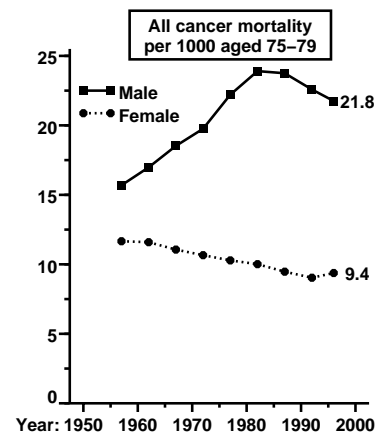
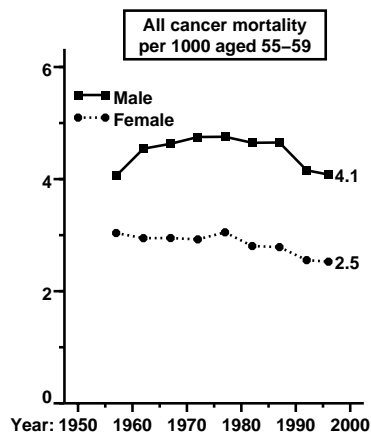
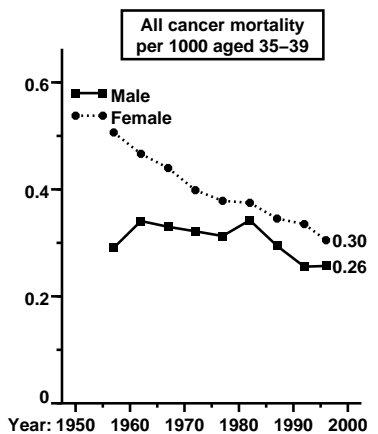
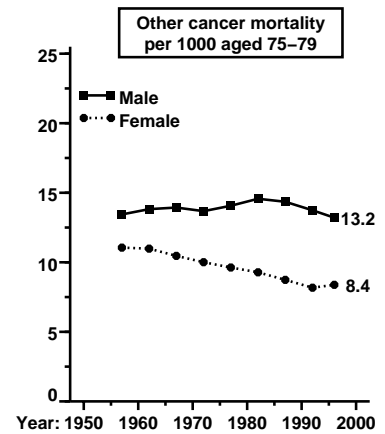
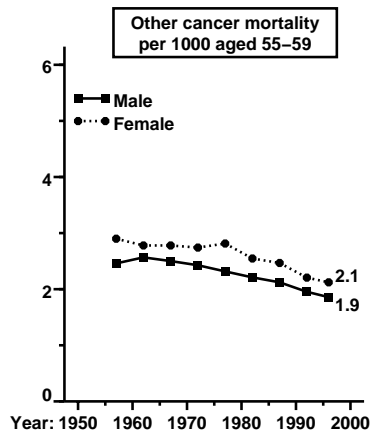
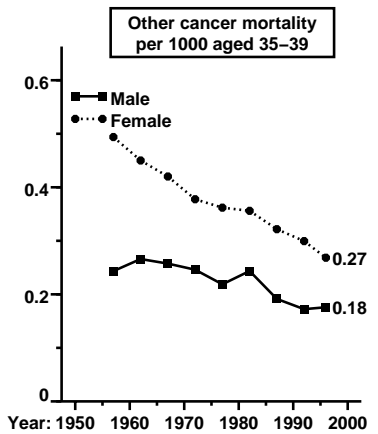
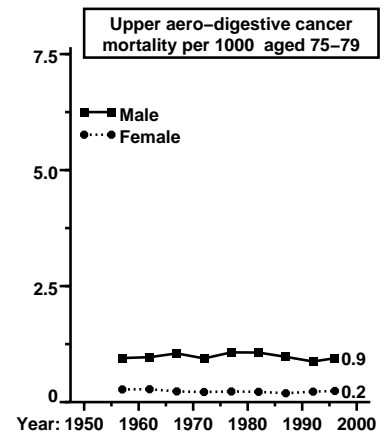
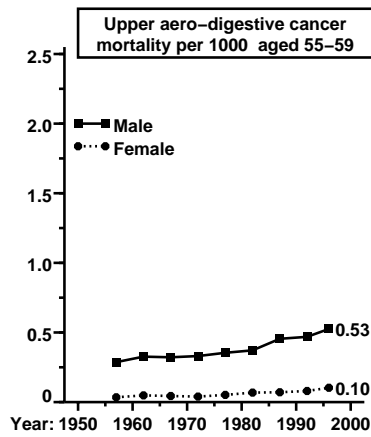
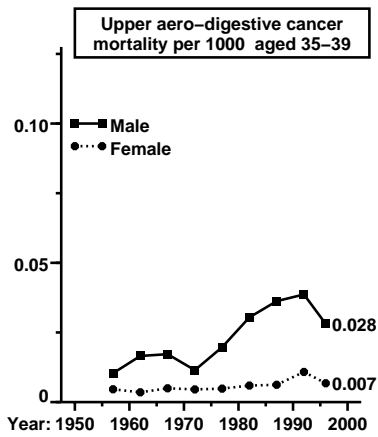
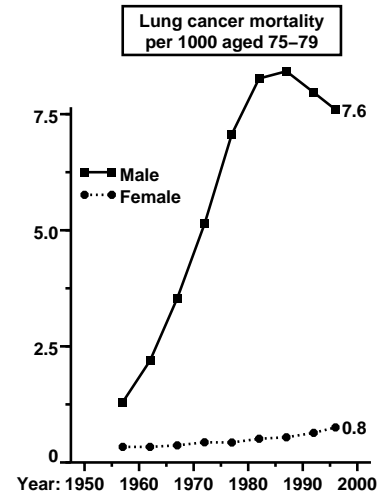
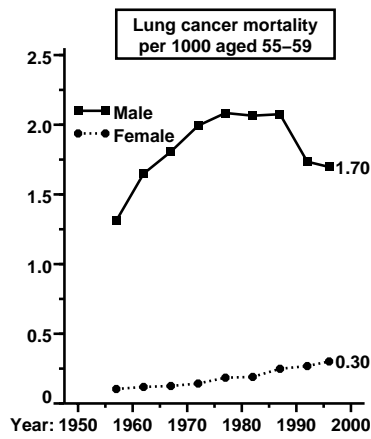
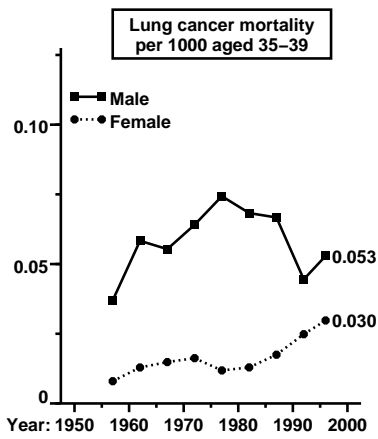
<sup>†</sup> Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950	---	---	---	---	---	---	---	---	---	---	---	---	---			
1955	-	0.10	1.05	2.17	1.57	11.9	-	0.10	0.00	2.56	0.00	10.2				
1960	-	0.13	1.52	2.12	2.59	12.2	-	0.10	0.00	2.55	0.00	10.1				
1965	-	0.11	1.92	2.02	4.54	11.5	-	0.11	0.01	2.43	0.05	9.72				
1970	-	0.11	2.10	1.95	6.10	11.0	-	0.09	0.01	2.40	0.02	9.28				
1975	-	0.11	2.31	1.90	8.50	10.5	-	0.08	0.05	2.38	0.18	8.67				
1980	-	0.08	2.46	1.82	10.1	10.7	-	0.08	0.08	2.25	0.20	8.49				
1985	-	0.08	2.51	1.75	10.7	10.2	-	0.06	0.10	2.16	0.28	8.37				
1990	-	0.07	2.17	1.67	9.69	10.1	-	0.05	0.16	2.04	0.29	7.58				
1995	-	0.05	2.19	1.69	8.96	9.51	-	0.06	0.21	1.99	0.47	7.53				
2000	-	0.07	1.91	1.56	8.21	8.71	-	0.06	0.20	1.77	0.52	7.01				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**BELGIUM: 1955-1997**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

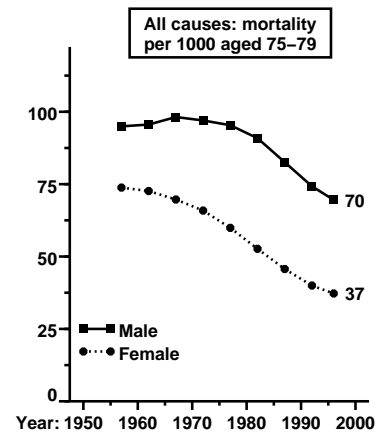
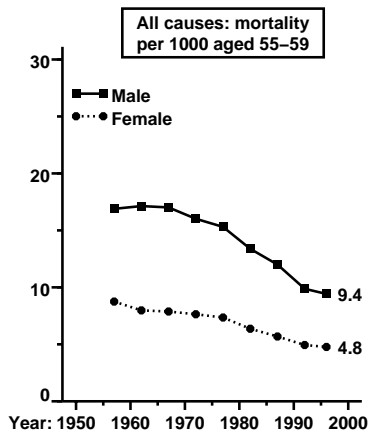
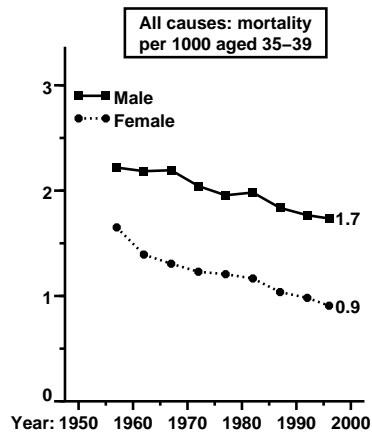
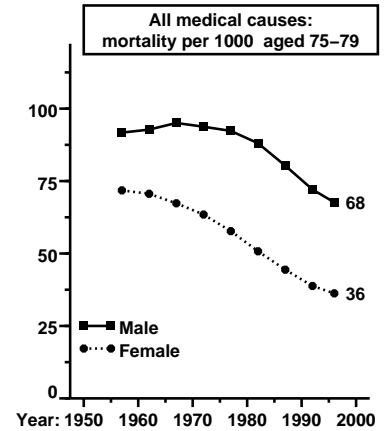
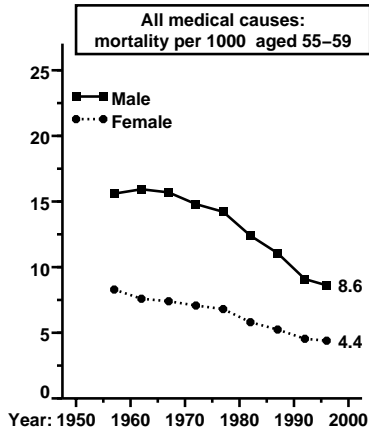
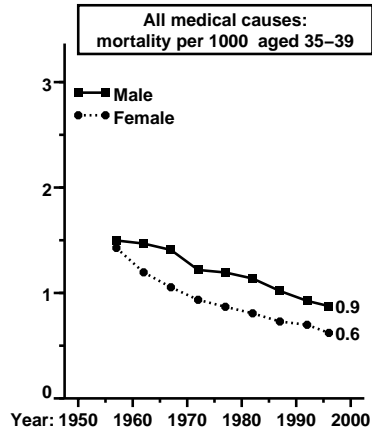
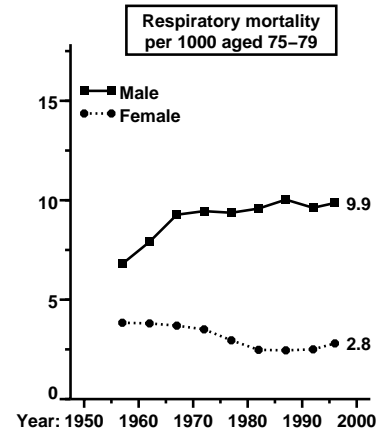
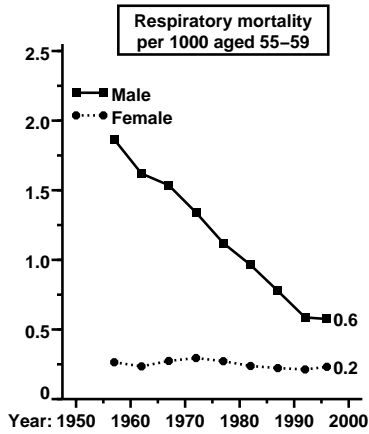
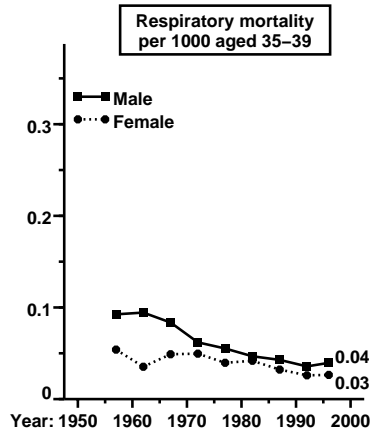
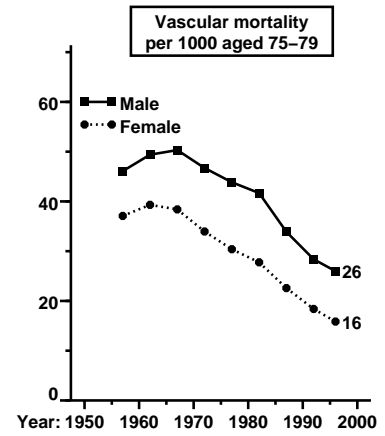
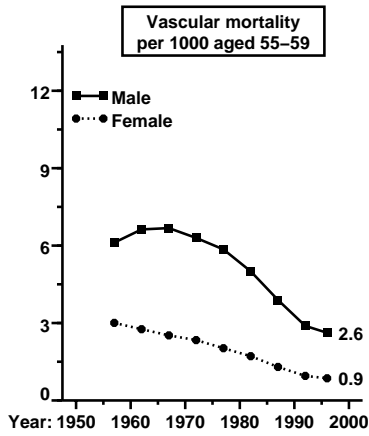
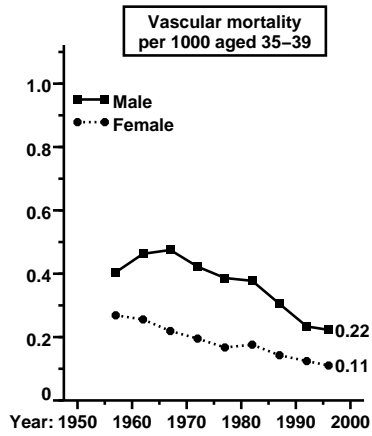


\* Annual mortality per 1000: averages of years available in 1955-59,.....,1990-94; then 3-year average 1995-97



1955-1997: BELGIUM

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1955-59,....,1990-94; then 3-year average 1995-97

## BULGARIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	61520	2263	25482	1432.2	138.3	1589.2	387.1	41.0	32.6	80.3	112.2	123.9	191.4
	F	53567	1266	13176	918.8	86.7	727.4	323.7	26.1	18.4	43.9	52.0	52.0	91.1
Tuberculosis	M	255	15	162	5.8	0.8	9.7	-	-	-	-	1.0	2.1	2.2
	F	78	11	42	1.5	0.7	2.3	1.3	-	-	-	1.0	0.4	1.9
HIV	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	226	68	101	6.5	5.2	6.0	29.3	2.4	0.4	1.1	1.0	1.7	0.7
	F	165	52	55	4.4	4.2	3.0	24.6	-	0.4	0.4	1.0	0.7	2.3
ALL CANCER	M	8764	144	5166	195.0	7.8	321.9	4.2	4.8	3.7	5.7	6.5	9.9	19.5
	F	6521	145	3421	118.2	8.0	185.9	3.2	3.0	3.1	6.4	4.8	13.1	22.2
Mouth and pharynx cancer	M	230	2	185	5.4	0.1	11.1	-	-	-	-	-	0.3	0.4
	F	59	5	25	1.1	0.3	1.3	-	-	0.4	0.4	-	0.4	0.8
Oesophagus cancer	M	136	-	91	3.1	-	5.6	-	-	-	-	-	-	-
	F	38	-	19	0.7	-	1.0	-	-	-	-	-	-	-
Stomach cancer	M	993	9	544	21.7	0.5	34.4	-	0.5	-	0.4	0.3	0.3	1.9
	F	650	8	258	11.0	0.4	14.2	-	-	-	0.4	-	0.7	1.9
Colorectal cancer	M	1169	5	579	25.6	0.3	36.7	-	-	-	-	-	0.3	1.5
	F	1010	10	409	17.0	0.5	22.6	-	-	-	-	0.3	0.7	2.7
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	446	4	255	9.9	0.2	15.6	-	-	-	-	-	0.3	1.1
	F	331	2	164	5.8	0.1	9.0	-	-	0.4	-	0.3	-	-
Larynx cancer	M	352	2	261	8.0	0.1	16.0	-	-	0.4	-	-	0.3	-
	F	23	1	11	0.4	0.1	0.6	-	-	-	-	-	0.4	-
Lung cancer	M	2383	10	1678	53.2	0.6	104.3	0.6	-	0.7	0.4	0.7	-	1.5
	F	526	3	299	9.4	0.2	16.4	-	-	-	-	-	1.1	-
Malignant melanoma	M	65	3	30	1.5	0.2	1.7	-	-	-	-	-	-	1.1
	F	51	3	26	1.0	0.2	1.4	-	-	-	-	-	0.4	0.8
Female breast cancer	F	1155	12	728	22.1	0.7	39.1	-	-	-	-	-	0.4	4.2
Cervix cancer	F	340	10	239	7.0	0.5	12.5	-	-	-	-	0.7	0.7	2.3
Other uterine cancer	F	362	8	218	6.9	0.4	11.8	-	-	-	-	-	1.4	1.5
Ovarian cancer	F	311	6	207	6.0	0.3	11.1	-	-	-	0.4	-	0.7	1.1
Prostate cancer	M	664	2	193	14.5	0.1	12.8	-	-	-	-	0.3	0.3	-
Bladder cancer	M	313	1	141	6.8	0.0	9.1	-	-	-	-	-	0.3	-
	F	95	1	37	1.6	0.1	2.0	-	-	-	-	-	-	0.4
Other and ill-defined cancer sites	M	1625	61	995	36.5	3.4	61.4	3.6	1.9	1.5	3.6	1.6	4.1	7.5
	F	1251	44	612	22.3	2.5	33.7	2.5	1.5	1.2	3.4	1.7	3.5	3.8
Hodgkin's disease	M	51	10	32	1.2	0.5	1.9	-	0.5	-	-	0.3	2.1	0.7
	F	34	12	15	0.7	0.6	0.8	-	-	-	1.1	1.0	1.1	1.1
Myeloma and non- Hodgkin lymphomas	M	139	13	71	3.2	0.7	4.4	-	0.5	-	0.7	1.0	1.0	1.5
	F	111	5	53	2.0	0.3	2.9	0.6	0.5	-	-	0.3	0.4	0.4
Leukaemia	M	198	22	111	4.4	1.2	6.8	-	1.4	1.1	0.7	2.3	0.3	2.2
	F	174	15	101	3.4	0.8	5.4	-	1.0	1.2	0.8	0.3	1.4	1.1
Diabetes	M	903	12	398	19.6	0.6	25.5	-	-	0.4	-	-	1.4	2.6
	F	1181	23	393	19.1	1.2	22.0	0.6	-	-	0.8	2.1	2.8	2.3
ALL VASCULAR DISEASE	M	38692	315	13967	889.2	17.6	885.3	23.9	5.7	3.0	8.5	14.1	22.2	46.1
	F	37449	185	7260	614.4	11.2	405.1	22.1	4.0	1.2	7.5	9.9	11.0	22.6
Rheumatic heart disease and fever	M	112	3	86	2.5	0.2	5.2	-	0.5	-	-	0.3	-	0.4
	F	148	-	90	2.6	-	5.0	-	-	-	-	-	-	-
Hypertensive disease	M	2041	11	909	46.4	0.6	57.3	-	-	-	0.7	-	0.7	2.6
	F	2207	2	567	36.1	0.1	31.6	-	-	-	-	-	-	0.8
Ischaemic heart disease	M	10893	60	4452	250.3	3.1	280.5	-	-	-	0.7	1.6	5.8	13.5
	F	8984	15	1732	147.0	0.8	96.8	-	-	-	0.4	1.4	1.4	2.3
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	10501	69	3671	235.9	3.8	235.4	3.6	1.0	1.1	1.8	4.3	4.4	10.1
	F	11210	40	2300	180.4	2.3	128.5	3.2	1.0	0.4	1.5	2.1	2.1	6.1
Other vascular disease, incl. venous	M	15145	172	4849	354.1	10.1	306.8	20.3	4.3	1.9	5.3	7.8	11.3	19.5
	F	14900	128	2571	248.4	8.0	143.1	18.9	3.0	0.8	5.6	6.5	7.4	13.4
Chronic obstructive pulmonary disease	M	1031	4	424	23.3	0.2	27.6	0.6	-	-	-	0.3	-	0.7
	F	572	3	128	9.6	0.3	7.1	1.9	-	-	-	-	-	-
Other respiratory disease	M	1709	204	589	42.7	15.0	36.4	78.3	3.8	2.2	4.6	4.6	3.8	7.9
	F	1188	137	239	23.5	10.9	13.1	59.9	2.5	2.0	3.0	2.4	2.1	4.2
Peptic ulcer	M	157	1	86	3.4	0.1	5.3	-	-	-	-	-	-	0.4
	F	65	-	14	1.1	-	0.8	-	-	-	-	-	-	-
Liver cirrhosis	M	1199	33	895	27.6	1.7	53.7	-	0.5	1.1	0.7	0.7	1.4	7.9
	F	358	6	200	6.6	0.4	11.0	1.3	-	-	-	0.7	0.4	0.4
Renal disease	M	521	21	233	11.9	1.3	14.4	4.2	-	-	0.7	-	3.1	1.1
	F	421	7	175	7.2	0.4	9.7	0.6	-	0.4	-	0.7	-	1.1
Pregnancy, birth Congenital and perinatal causes	F	13	7	6	0.3	0.4	0.3	-	-	-	0.4	1.4	0.4	0.4
	M	334	331	3	15.8	28.1	0.2	194.1	1.4	-	-	0.3	0.7	-
	F	263	261	2	13.0	23.2	0.1	158.4	1.0	0.4	1.5	0.7	-	0.4
Ill-defined causes	M	2666	107	755	69.5	6.0	46.4	11.4	0.5	1.5	5.3	8.5	5.8	9.4
	F	3012	53	377	54.5	3.5	20.7	12.0	1.0	0.8	1.9	1.7	3.2	4.2
Other medical causes	M	1594	137	737	37.6	8.6	44.9	23.3	7.6	3.4	5.7	6.5	5.1	8.2
	F	1097	97	363	20.3	6.3	19.7	16.4	5.5	2.0	4.1	5.5	2.8	7.7
ALL NON- MEDICAL CAUSES	M	3469	871	1966	84.4	45.3	112.1	17.9	14.3	16.9	48.0	68.7	66.7	84.6
	F	1184	279	501	25.1	16.2	26.7	21.5	9.0	8.2	18.0	20.2	15.2	21.4
Road traffic accidents	M	694	242	364	16.8	12.5	20.6	4.2	3.3	3.0	14.6	19.9	21.2	21.0
	F	246	80	106	5.3	4.4	5.7	2.5	2.0	2.7	6.0	7.9	3.2	6.5
Fire	M	67	8	41	1.5	0.4	2.4	-	-	1.1	0.4	0.7	0.3	0.4
	F	27	2	7	0.5	0.1	0.4	-	0.5	-	-	-	0.4	-
Suicide	M	1001	161	574	24.2	8.1	32.6	-	-	1.9	5.0	13.1	13.3	23.6
	F	382	57	177	7.5	3.0	9.4	-	-	-	3.0	4.1	5.7	8.0
Homicide	M	205	74	113	5.0	3.7	6.3	-	0.5	1.1	3.2	8.2	5.5	7.5
	F	85	23	43	1.9	1.3	2.3	1.3	-	1.2	1.5	2.1	1.1	1.9
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		3890.1	1790.4	1752.7	167.4	209.6	266.9	281.5	305.8	292.2	267.0
			<b>F=female</b>		4106.6	1715.5	1895.1	158.5	199.2	255.1	266.4	292.2	282.8	261.3

## 2000: BULGARIA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
277.7	464.4	781.0	1244.3	1840.9	2621.1	3895.2	5953.8	9491.6	20051.2	M	ALL CAUSES	001-999/A00-Y89
129.2	198.6	290.1	466.4	754.3	1218.9	2034.5	3789.1	6863.9	17933.6	F		
3.0	6.8	5.6	11.5	10.8	13.0	17.1	20.1	23.7	26.4	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.8	1.7	2.3	0.7	0.8	3.3	6.3	5.0	5.9	3.7	F		
-	-	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
3.4	2.9	4.2	6.4	7.6	6.7	11.0	10.7	21.1	23.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.5	1.7	2.7	2.7	3.2	4.6	4.3	7.7	10.1	22.4	F		
42.8	76.2	160.8	279.4	405.6	531.5	756.7	899.9	1061.6	1128.7	M	ALL CANCER	140-208/C00-C97
50.1	74.7	117.7	172.6	219.0	290.4	376.9	497.3	626.0	750.5	F		
0.8	2.5	9.4	14.3	17.9	15.9	17.1	13.6	8.8	15.5	M	Mouth and pharynx cancer	140-149/C00-C14
1.1	0.7	0.3	1.7	0.8	1.7	3.1	4.1	5.9	9.3	F		
0.4	1.1	4.5	5.4	4.9	13.0	10.0	10.1	14.1	18.6	M	Oesophagus cancer	150/C15
0.4	0.3	-	1.3	0.8	1.7	2.7	2.3	5.3	4.7	F		
3.8	5.7	12.9	25.4	40.8	57.8	94.8	111.4	141.6	141.1	M	Stomach cancer	151/C16
1.1	3.1	6.3	11.4	15.4	22.8	39.2	57.7	81.7	111.2	F		
3.0	9.7	14.0	23.3	42.1	63.1	101.9	142.2	179.4	218.6	M	Colorectal cancer	153, 154/C18-C21
2.6	5.6	7.7	17.0	27.9	37.6	59.6	95.0	127.8	155.1	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
3.0	4.3	10.5	14.0	24.7	20.7	32.4	49.8	58.9	55.8	M	Pancreas cancer	157/C25
0.8	2.1	5.0	9.0	9.3	15.3	21.2	29.5	34.3	39.3	F		
1.1	3.9	10.8	16.8	23.3	22.6	33.3	20.7	32.5	26.4	M	Larynx cancer	161/C32
-	0.7	0.7	0.3	0.8	0.8	0.8	0.9	3.0	3.7	F		
8.6	21.1	54.8	100.3	134.9	179.6	231.0	220.4	195.3	156.6	M	Lung cancer	162/C33, C34
2.6	4.9	10.0	13.0	20.2	26.9	36.9	47.3	43.8	43.0	F		
1.1	1.4	3.1	1.4	0.9	1.0	2.9	8.3	7.9	14.0	M	Malignant melanoma	172/C43
1.1	1.0	1.3	1.3	0.8	2.5	1.6	2.7	2.4	11.2	F		
14.3	19.9	29.7	44.7	47.4	59.2	58.8	65.9	87.0	115.0	F	Female breast cancer	174/C50
7.5	11.5	16.7	16.0	11.7	13.7	10.2	15.0	20.1	22.4	F	Cervix cancer	180/C53
6.4	5.9	7.7	10.0	12.6	19.9	20.4	21.4	27.8	39.3	F	Other uterine cancer	179, 182/C54, C55
3.0	3.5	8.3	13.7	15.4	14.9	19.2	23.6	17.2	15.9	F	Ovarian cancer	183/C56, C570-C574
-	1.1	1.0	4.7	9.0	24.6	49.0	80.6	162.7	229.5	M	Prostate cancer	185/C61
0.8	2.1	2.4	4.3	9.0	17.8	27.1	41.5	52.8	63.6	M	Bladder cancer	188/C67
-	0.3	1.0	3.0	2.4	2.5	4.7	6.4	13.6	18.7	F		
12.8	17.9	31.7	57.7	81.6	97.3	131.0	164.1	166.2	159.7	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.6	10.1	16.7	22.7	44.5	55.0	81.2	104.1	129.6	137.4	F		
3.4	1.4	1.0	1.1	2.2	1.0	2.9	4.7	0.9	-	M	Hodgkin's disease	201/C81
0.4	0.3	1.0	0.7	0.8	0.4	2.0	1.8	1.8	-	F		
1.1	2.5	1.7	3.6	6.7	8.2	6.7	15.4	15.8	17.1	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.1	1.0	1.0	2.0	3.2	6.6	5.5	10.5	11.8	9.3	F		
3.0	1.4	2.8	7.2	7.6	9.1	16.7	17.2	24.6	12.4	M	Leukaemia	204-208/C91-C95
1.9	3.5	4.3	4.7	4.9	9.1	9.8	9.1	13.0	15.0	F		
2.3	3.9	8.7	15.4	24.7	43.3	80.0	106.0	169.7	187.6	M	Diabetes	250/E10-E14
1.1	3.5	4.7	9.3	17.8	43.9	73.7	113.6	174.6	205.6	F		
80.3	179.2	342.5	617.1	990.6	1561.4	2425.7	4064.6	6925.2	15000.0	M	ALL VASCULAR DISEASE	390-459/I00-I99
34.3	64.2	99.0	195.0	394.3	706.2	1342.4	2739.1	5329.0	13992.5	F		
0.8	2.5	2.4	6.1	5.8	8.2	11.0	6.5	8.8	3.1	M	Rheumatic heart disease and fever	390-398/I00-I09
-	1.4	0.7	2.3	9.7	7.9	13.3	15.9	13.0	0.9	F		
4.9	8.6	27.9	41.9	69.0	95.8	153.3	219.2	303.4	629.5	M	Hypertensive disease	401-405/I10-I15
1.5	5.6	7.7	18.4	33.2	60.0	94.9	173.6	326.6	657.9	F		
31.1	56.5	121.0	211.7	333.5	495.9	713.8	1115.5	1763.4	3865.1	M	Ischaemic heart disease	410-414/I20-I25
9.8	15.7	20.7	41.1	91.9	170.9	327.8	645.0	1277.5	3419.6	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
12.0	39.7	75.0	139.0	249.2	430.9	701.9	1226.9	2058.9	3641.9	M	Cerebrovascular disease	430-438/I60-I69
6.0	17.1	32.3	56.8	111.3	225.9	449.8	958.6	1700.0	3633.6	F		
31.5	71.9	116.1	218.5	333.0	530.6	845.7	1496.4	2790.7	6860.5	M	Other vascular disease, incl. venous	Rest of 390-459/ rest of I00-I99
16.9	24.4	37.7	76.5	148.2	241.6	456.5	945.9	2011.8	6280.4	F		
1.9	1.8	5.9	13.6	26.9	59.7	83.3	114.9	165.3	342.6	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.4	1.7	2.0	4.3	10.5	9.1	21.6	46.4	72.8	201.9	F		
10.1	16.8	19.9	23.6	44.4	46.2	93.8	148.1	277.0	544.2	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.6	5.6	6.3	8.7	10.5	24.8	33.3	66.4	145.6	392.5	F		
0.4	1.1	2.8	6.4	6.3	7.2	12.9	21.9	21.1	14.0	M	Peptic ulcer	531-533/K25-K27
-	0.7	-	-	0.4	1.7	2.7	4.1	8.9	25.2	F		
11.6	18.2	47.1	62.0	74.4	73.7	88.6	77.6	88.0	62.0	M	Liver cirrhosis	571/K70, K74
3.8	2.8	4.0	10.0	15.8	21.1	19.6	35.0	22.5	34.6	F		
3.4	5.0	8.0	11.8	17.9	25.5	29.0	55.7	86.2	116.3	M	Renal disease	580-590/N00-N19
2.3	2.8	3.3	6.3	14.2	15.3	23.5	36.4	58.0	57.0	F		
1.5	0.3	0.3	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-O99
0.4	-	0.7	-	-	-	-	-	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	-	0.7	-	-	-	-	-	-	-	F	Ill-defined causes	780-799/R00-R99
9.8	17.9	27.6	40.5	58.3	77.0	93.8	154.6	253.3	1945.7	M		
3.4	8.0	9.0	14.7	21.9	37.2	51.0	100.5	189.9	1906.5	F		
14.3	19.3	29.6	38.0	56.5	65.0	91.9	140.4	222.5	356.6	M	Other medical causes	Rest of 001-799/ rest of A00-R99
9.0	10.5	12.7	16.0	20.6	29.0	40.0	78.6	141.4	210.3	F		
94.2	115.2	117.5	118.6	117.0	110.7	111.4	139.2	176.8	303.9	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
18.5	20.2	25.3	26.0	25.1	32.3	39.2	59.1	79.3	130.8	F		
20.3	22.2	25.8	18.6	16.6	18.8	21.9	19.0	33.4	27.9	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
3.4	3.8	5.0	6.3	4.0	9.1	7.8	13.2	11.8	10.3	F		
1.9	2.1	1.7	2.1	1.8	2.9	4.3	4.7	5.3	6.2	M	Fire	E890-E899/X00-X09
-	-	0.3	-	0.4	0.8	1.2	0.9	4.1	8.4	F		
30.0	31.5	33.8	38.0	34.5	33.7	26.7	50.9	70.4	155.0	M	Suicide	E950-E959/X60-X84
6.4	5.9	10.3	10.7	6.5	12.0	13.7	21.8	27.2	50.5	F		
4.5	9.7	7.3	7.9	5.8	4.8	3.8	3.0	7.9	6.2	M	Homicide	E960-E969/ X85-X99, Y00-Y09
3.0	1.7	1.7	1.3	3.6	1.7	3.1	2.7	5.3	3.7	F		
266.5	279.5	286.7	279.2	223.1	207.7	210.0	168.8	113.7	64.5	M	POPULATION	
265.5	286.5	299.9	299.5	247.0	241.7	255.0	220.0	169.0	107.0	F	(1000s; UN, 2004 revision)	

<b>BULGARIA: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	2787	236	18	8	210	7	257	281	36	784	1186
35-69 Sm.	8801	2848	1870	427	551	365	295	4433	-	860	-
35-69 Total	28307 (31%)	5926 (48%)	2012 (93%)	627 (68%)	3287 (17%)	478 (76%)	891 (33%)	14791 (30%)	1195	2600 (33%)	2426
70+ Sm.	2731	769	547	74	148	357	60	1355	-	190	-
70+ Total	32306 (8%)	3287 (23%)	669 (82%)	185 (40%)	2433 (6%)	670 (53%)	1017 (6%)	22967 (6%)	292	3426 (6%)	647
Any age Sm.	11532	3617	2417	501	699	722	355	5788	-	1050	-
Any age Total	63400 (18%)	9449 (38%)	2699 (90%)	820 (61%)	5930 (12%)	1155 (63%)	2165 (16%)	38039 (15%)	1523	6810 (15%)	4259
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	2263	144	10	4	130	4	204	315	33	692	871
35-69 Sm.	7361	2323	1542	343	438	315	173	3815	-	735	-
35-69 Total	25482 (29%)	5166 (45%)	1678 (92%)	537 (64%)	2951 (15%)	424 (74%)	589 (29%)	13967 (27%)	895	2475 (30%)	1966
70+ Sm.	2616	767	557	65	145	305	49	1315	-	180	-
70+ Total	33775 (8%)	3454 (22%)	695 (80%)	177 (37%)	2582 (6%)	603 (51%)	916 (5%)	24410 (5%)	271	3489 (5%)	632
Any age Sm.	9977	3090	2099	408	583	620	222	5130	-	915	-
Any age Total	61520 (16%)	8764 (35%)	2383 (88%)	718 (57%)	5663 (10%)	1031 (60%)	1709 (13%)	38692 (13%)	1199	6656 (14%)	3469

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	4060.9	1911.8	1822.1	286.8	298.0	295.5	242.4	234.1	248.6	216.7	169.8	72.3	84.9
2000	3890.1	1790.4	1752.7	266.5	279.5	286.7	279.2	223.1	207.7	210.0	168.8	113.7	64.5
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	63400	2787	28307	944	1654	2669	3212	4473	6815	8540	10237	6841	15228
2000	61520	2263	25482	740	1298	2239	3474	4107	5444	8180	10050	10792	12933
<b>Lung cancer</b>													
1995	2699	18	2012	35	77	196	234	411	540	519	389	154	126
2000	2383	10	1678	23	59	157	280	301	373	485	372	222	101
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1435.3*	154.3*	1672.2*	329.1	555.0	903.2	1325.1	1910.7	2741.4	3940.9	6028.9	9462.0	17936.4
2000	1432.2*	138.3*	1589.2*	277.7	464.4	781.0	1244.3	1840.9	2621.1	3895.2	5953.8	9491.6	20051.2
<b>All cancer</b>													
1995	209.8*	12.3*	351.0*	46.7	97.7	182.1	278.5	480.6	596.9	774.8	922.3	1160.4	1038.9
2000	195.0*	7.8*	321.9*	42.8	76.2	160.8	279.4	405.6	531.5	756.7	899.9	1061.6	1128.7
<b>Lung cancer</b>													
1995	59.6*	0.9*	119.0*	12.2	25.8	66.3	96.5	175.6	217.2	239.5	229.1	213.0	148.4
2000	53.2*	0.6*	104.3*	8.6	21.1	54.8	100.3	134.9	179.6	231.0	220.4	195.3	156.6
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	18.7*	0.4*	36.4*	4.2	12.1	32.5	40.4	53.0	54.7	57.7	58.9	74.7	36.5
2000	16.5*	0.2*	32.7*	2.3	7.5	24.8	36.5	46.2	51.5	60.5	44.4	55.4	60.5
<b>Other cancer</b>													
1995	131.5*	11.0*	195.6*	30.3	59.7	83.2	141.5	252.0	325.0	477.6	634.3	872.8	853.9
2000	125.3*	7.0*	184.8*	31.9	47.6	81.3	142.6	224.6	300.4	465.2	635.1	810.9	911.6
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	25.2*	0.4*	29.2*	2.4	2.0	7.4	16.1	26.5	55.5	94.1	147.8	222.7	303.9
2000	23.3*	0.2*	27.6*	1.9	1.8	5.9	13.6	26.9	59.7	83.3	114.9	165.3	342.6
<b>Other respiratory disease</b>													
1995	51.9*	16.0*	52.0*	12.9	25.8	33.2	50.3	55.5	75.6	110.3	176.7	322.3	570.1
2000	42.7*	15.0*	36.4*	10.1	16.8	19.9	23.6	44.4	46.2	93.8	148.1	277.0	544.2
<b>Vascular disease</b>													
1995	849.2*	14.7*	886.7*	92.1	190.6	375.3	624.6	957.3	1564.0	2402.9	4058.9	6715.1	13215.5
2000	889.2*	17.6*	885.3*	80.3	179.2	342.5	617.1	990.6	1561.4	2425.7	4064.6	6925.2	15000.0
<b>Liver cirrhosis</b>													
1995	35.0*	1.9*	68.3*	22.0	43.0	55.2	84.6	79.0	93.3	101.1	93.1	109.3	64.8
2000	27.6*	1.7*	53.7*	11.6	18.2	47.1	62.0	74.4	73.7	88.6	77.6	88.0	62.0
<b>Other medical causes</b>													
1995	162.3*	48.2*	151.3*	45.7	67.8	105.9	126.7	165.3	227.3	320.7	483.5	720.6	2454.7
2000	170.1*	50.6*	152.3*	36.8	56.9	87.2	130.0	182.0	237.8	335.7	509.5	797.7	2669.8
<b>All non-medical causes</b>													
1995	102.0*	60.9*	133.8*	107.4	128.2	144.2	144.4	146.5	128.7	137.1	146.6	211.6	288.6
2000	84.4*	45.3*	112.1*	94.2	115.2	117.5	118.6	117.0	110.7	111.4	139.2	176.8	303.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: BULGARIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical	
<b>1995</b>												
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-	
0-34 Total	1471	181	4	9	168	4	186	164	12	590	334	
35-69 Sm.	809	203	160	15	28	59	16	436	-	95	-	
35-69 Total	13715 (6%)	3727 (5%)	328 (49%)	72 (21%)	3327 (1%)	167 (35%)	257 (6%)	7271 (6%)	229	1509 (6%)	555	
70+ Sm.	882	130	104	9	17	137	17	524	-	74	-	
70+ Total	36084 (2%)	2714 (5%)	234 (44%)	58 (16%)	2422 (1%)	443 (31%)	903 (2%)	27460 (2%)	154	4024 (2%)	386	
Any age Sm.	1691	333	264	24	45	196	33	960	-	169	-	
Any age Total	51270 (3%)	6622 (5%)	566 (47%)	139 (17%)	5917 (1%)	614 (32%)	1346 (2%)	34895 (3%)	395	6123 (3%)	1275	
<b>2000</b>												
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-	
0-34 Total	1266	145	3	6	136	3	137	185	6	511	279	
35-69 Sm.	679	167	134	10	23	40	13	380	-	79	-	
35-69 Total	13176 (5%)	3421 (5%)	299 (45%)	55 (18%)	3067 (1%)	128 (31%)	239 (5%)	7260 (5%)	200	1427 (6%)	501	
70+ Sm.	492	81	66	5	10	69	8	294	-	40	-	
70+ Total	39125 (1%)	2955 (3%)	224 (29%)	59 (8%)	2672 (0%)	441 (16%)	812 (1%)	30004 (1%)	152	4357 (1%)	404	
Any age Sm.	1171	248	200	15	33	109	21	674	-	119	-	
Any age Total	53567 (2%)	6521 (4%)	526 (38%)	120 (13%)	5875 (1%)	572 (19%)	1188 (2%)	37449 (2%)	358	6295 (2%)	1184	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	4235.9	1838.7	1948.5	290.5	305.4	306.9	255.9	255.4	278.2	256.2	221.4	97.9	129.4
2000	4106.6	1715.5	1895.1	265.5	286.5	299.9	299.5	247.0	241.7	255.0	220.0	169.0	107.0
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	51270	1471	13715	343	584	938	1202	1939	3377	5332	8488	6726	20870
2000	53567	1266	13176	343	569	870	1397	1863	2946	5188	8336	11600	19189
<b>Lung cancer</b>													
1995	566	4	328	5	12	31	45	54	77	104	110	61	63
2000	526	3	299	7	14	30	39	50	65	94	104	74	46
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	886.5*	88.0*	734.1*	118.1	191.2	305.6	469.7	759.2	1213.9	2081.2	3833.8	6870.3	16128.3
2000	918.8*	86.7*	727.4*	129.2	198.6	290.1	466.4	754.3	1218.9	2034.5	3789.1	6863.9	17933.6
<b>All cancer</b>													
1995	123.6*	9.9*	197.6*	48.2	73.0	127.1	170.8	235.7	310.9	417.6	544.7	662.9	663.8
2000	118.2*	8.0*	185.9*	50.1	74.7	117.7	172.6	219.0	290.4	376.9	497.3	626.0	750.5
<b>Lung cancer</b>													
1995	10.4*	0.2*	17.5*	1.7	3.9	10.1	17.6	21.1	27.7	40.6	49.7	62.3	48.7
2000	9.4*	0.2*	16.4*	2.6	4.9	10.0	13.0	20.2	26.9	36.9	47.3	43.8	43.0
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.7*	0.5*	3.8*	1.7	0.7	2.6	4.3	4.3	4.0	9.4	10.4	15.3	15.5
2000	2.2*	0.3*	3.0*	1.5	1.7	1.0	3.3	2.4	4.1	6.7	7.3	14.2	17.8
<b>Other cancer</b>													
1995	110.5*	9.2*	176.2*	44.8	68.4	114.4	148.9	210.3	279.3	367.7	484.6	585.3	599.7
2000	106.6*	7.5*	166.6*	46.0	68.1	106.7	156.3	196.4	259.4	333.3	442.7	568.0	689.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	10.5*	0.2*	9.0*	0.7	2.3	2.6	3.5	12.1	16.2	25.4	41.1	104.2	193.2
2000	9.6*	0.3*	7.1*	0.4	1.7	2.0	4.3	10.5	9.1	21.6	46.4	72.8	201.9
<b>Other respiratory disease</b>													
1995	26.0*	12.1*	13.7*	3.1	5.9	7.2	10.2	15.7	13.7	40.6	93.5	164.5	413.4
2000	23.5*	10.9*	13.1*	2.6	5.6	6.3	8.7	10.5	24.8	33.3	66.4	145.6	392.5
<b>Vascular disease</b>													
1995	579.1*	8.9*	392.1*	32.4	58.0	102.6	199.7	368.4	685.8	1297.8	2720.9	5311.5	12547.1
2000	614.4*	11.2*	405.1*	34.3	64.2	99.0	195.0	394.3	706.2	1342.4	2739.1	5329.0	13992.5
<b>Liver cirrhosis</b>													
1995	7.3*	0.7*	12.2*	2.4	4.3	6.8	8.6	13.7	19.4	30.1	31.6	28.6	43.3
2000	6.6*	0.4*	11.0*	3.8	2.8	4.0	10.0	15.8	21.1	19.6	35.0	22.5	34.6
<b>Other medical causes</b>													
1995	113.3*	38.0*	80.4*	14.5	27.8	36.2	50.8	87.3	138.0	208.4	339.2	506.6	2146.1
2000	121.4*	39.8*	78.5*	19.6	29.3	35.7	49.7	78.9	134.9	201.6	345.9	588.8	2430.8
<b>All non-medical causes</b>													
1995	26.9*	18.2*	29.1*	16.9	20.0	23.1	26.2	26.2	29.8	61.3	62.8	91.9	121.3
2000	25.1*	16.2*	26.7*	18.5	20.2	25.3	26.0	25.1	32.3	39.2	59.1	79.3	130.8

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

**BULGARIA: 2000****Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.3	– / 1.3	–
35–69	7.4 / 25	0.7 / 13	20 years
70+	2.6 / 34	0.5 / 39	8 years
All ages	10 / 62	1.2 / 54	17 years

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

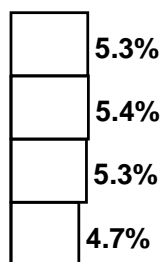
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.5/1.7	0.6/0.7	2.1/2.4	–/0.0	0.1/0.3	0.1/0.2	0.2/0.5
All Cancer	–/0.1	2.3/5.2 (45%)	0.8/3.5 (22%)	3.1/8.8	–/0.1	0.2/3.4 (5%)	0.1/3.0 (3%)	0.2/6.5
Vascular	–/0.3	3.8/14	1.3/24	5.1/39	–/0.2	0.4/7.3	0.3/30	0.7/37
Respiratory	–/0.2	0.5/1.0	0.4/1.5	0.8/2.7	–/0.1	0.1/0.4	0.1/1.3	0.1/1.8
All Other	–/1.6	0.7/5.3	0.2/4.4	0.9/11	–/0.8	0.1/2.1	0.0/4.9	0.1/7.8
All Causes	–/2.3	7.4/25 (29%)	2.6/34 (8%)	10/62	–/1.3	0.7/13 (5%)	0.5/39 (1%)	1.2/54

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	3.1 / 8.8 (35%)	0.2 / 6.5 (4%)	3.3 / 15 (22%)
All Causes	10 / 62 (16%)	1.2 / 54 (2%)	11 / 115 (10%)

1985-2000: BULGARIA

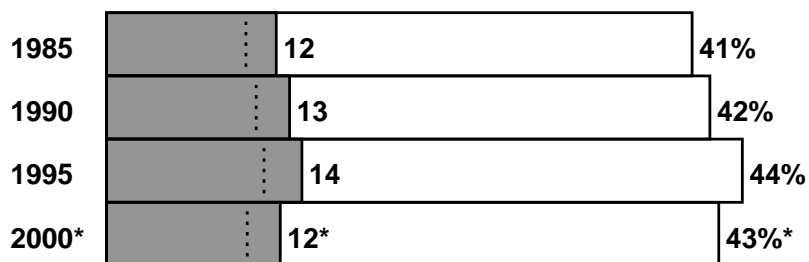
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

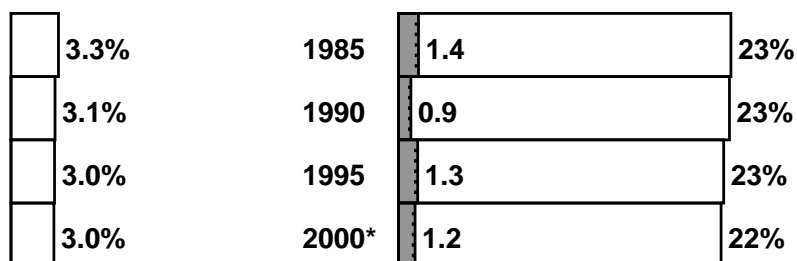
\*eg, at year 2000 male death rates, out of 100 men aged 35, 43 would die before age 70 (with 12 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



<b>BULGARIA: 1980-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/3.4	7.5/24 <b>(31%)</b>	2.8/32 <b>(9%)</b>	10/59	-/2.0	0.7/13 <b>(6%)</b>	0.9/33 <b>(3%)</b>	1.6/48
1990	-/3.3	8.4/27 <b>(31%)</b>	2.2/30 <b>(8%)</b>	11/60	-/1.8	0.5/14 <b>(4%)</b>	0.5/33 <b>(1%)</b>	1.0/49
1995	-/2.8	8.8/28 <b>(31%)</b>	2.7/32 <b>(8%)</b>	12/63	-/1.5	0.8/14 <b>(6%)</b>	0.9/36 <b>(2%)</b>	1.7/51
2000	-/2.3	7.4/25 <b>(29%)</b>	2.6/34 <b>(8%)</b>	10/62	-/1.3	0.7/13 <b>(5%)</b>	0.5/39 <b>(1%)</b>	1.2/54

**20-year total\* (thousands), mid-1980 to mid-2000: 251 / 2222**

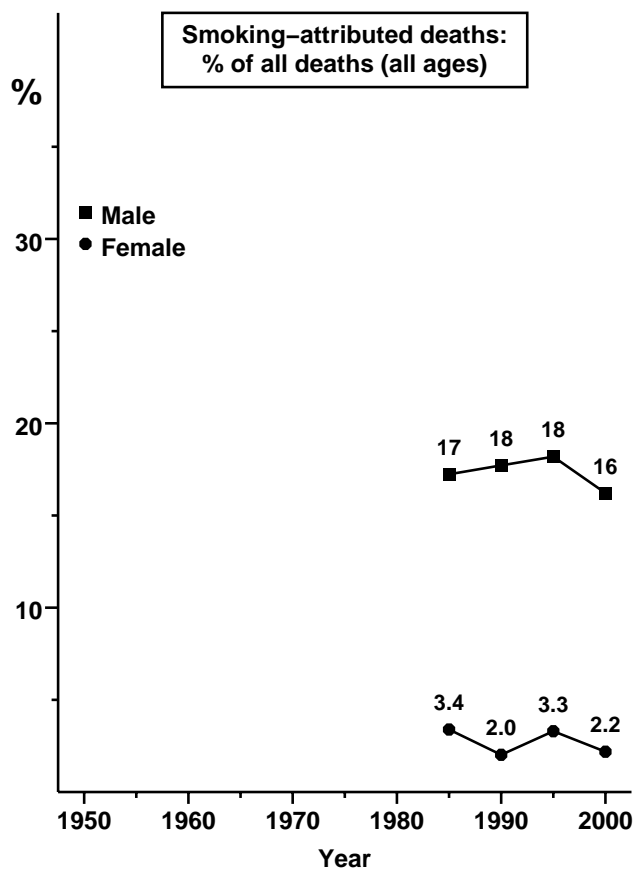
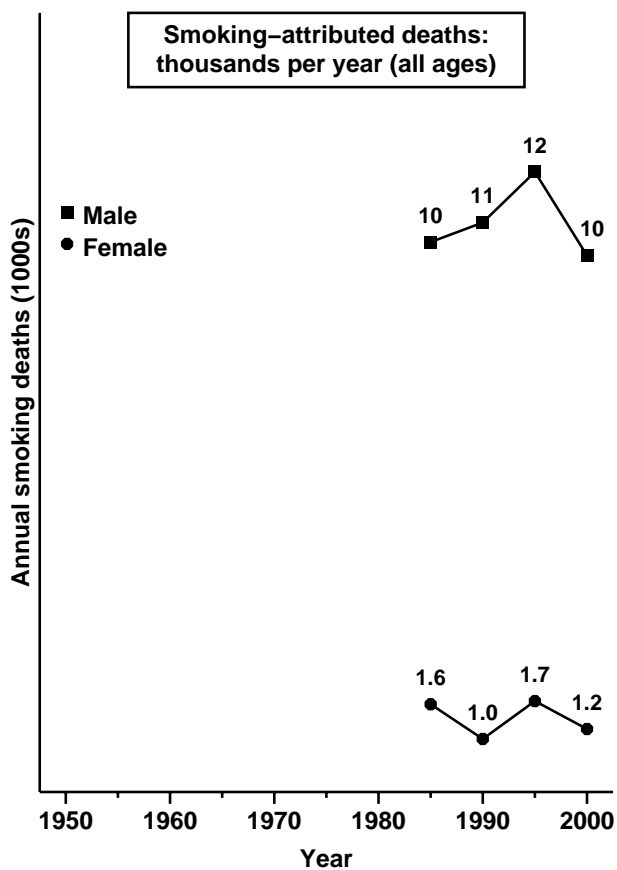
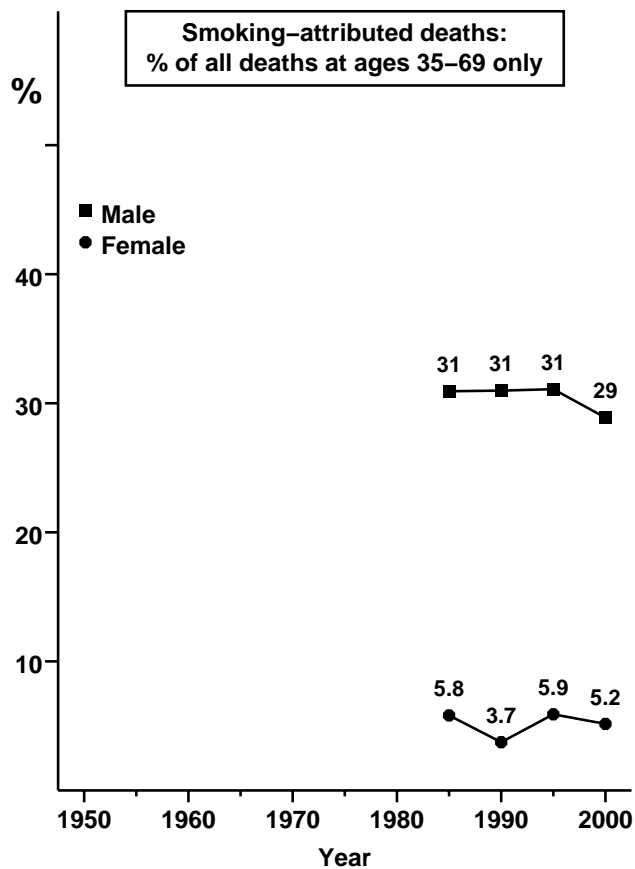
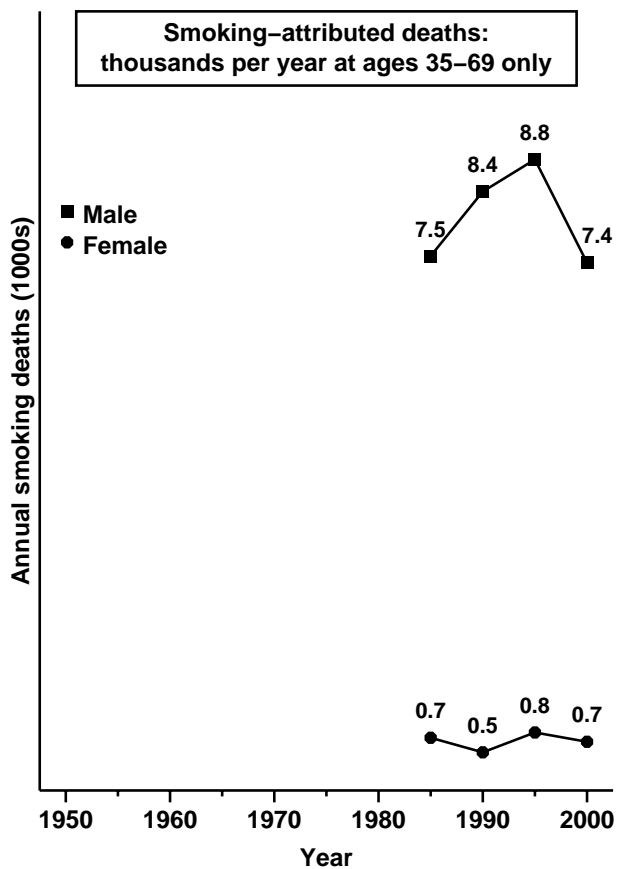
**1980-2000 by age & sex:**

-/62	163/524 <b>(31%)</b>	55/641 <b>(9%)</b>	218/1227	-/35	15/264 <b>(6%)</b>	18/696 <b>(3%)</b>	33/994
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\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

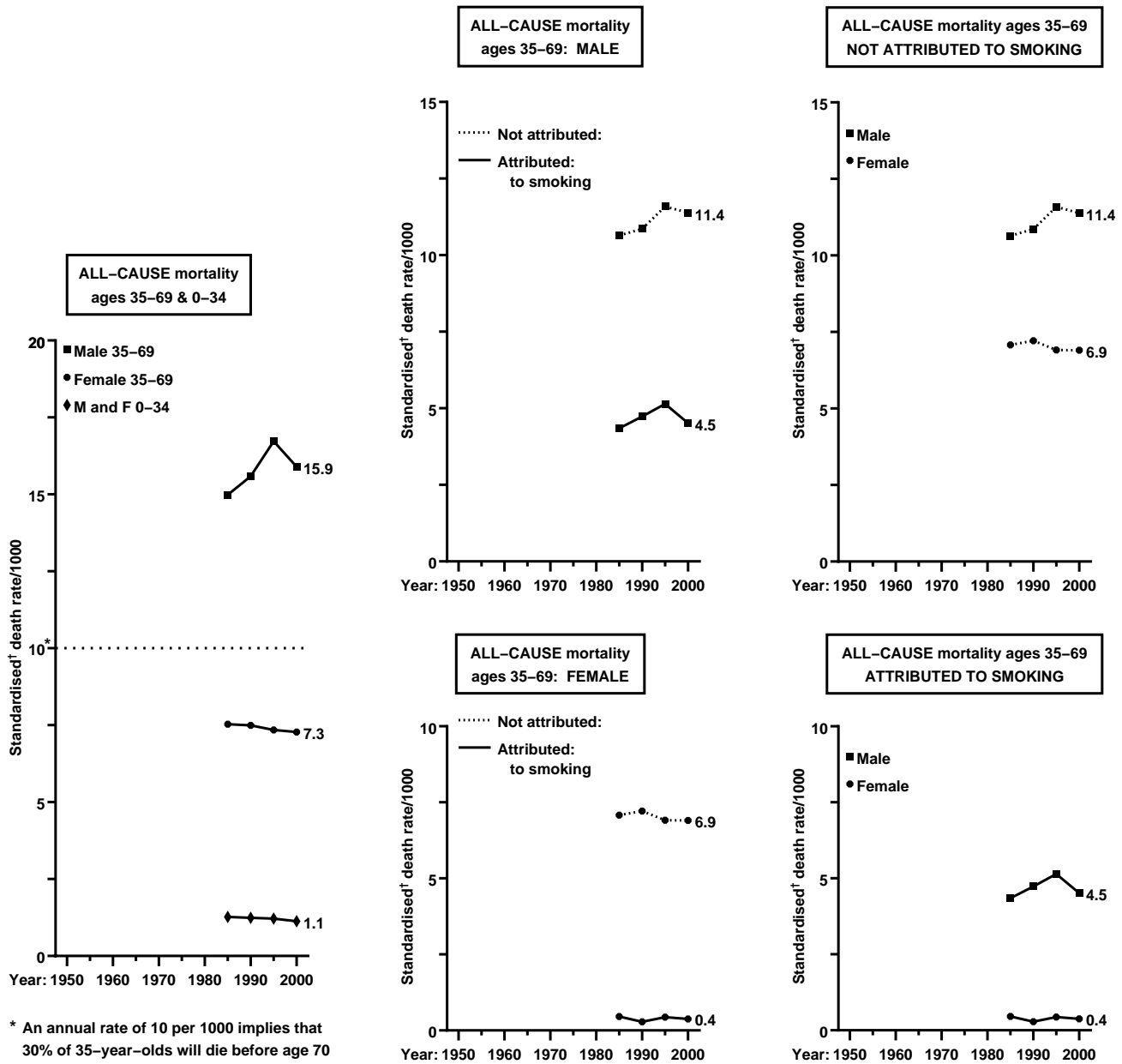


1985-2000: BULGARIA



**BULGARIA: 1985-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**

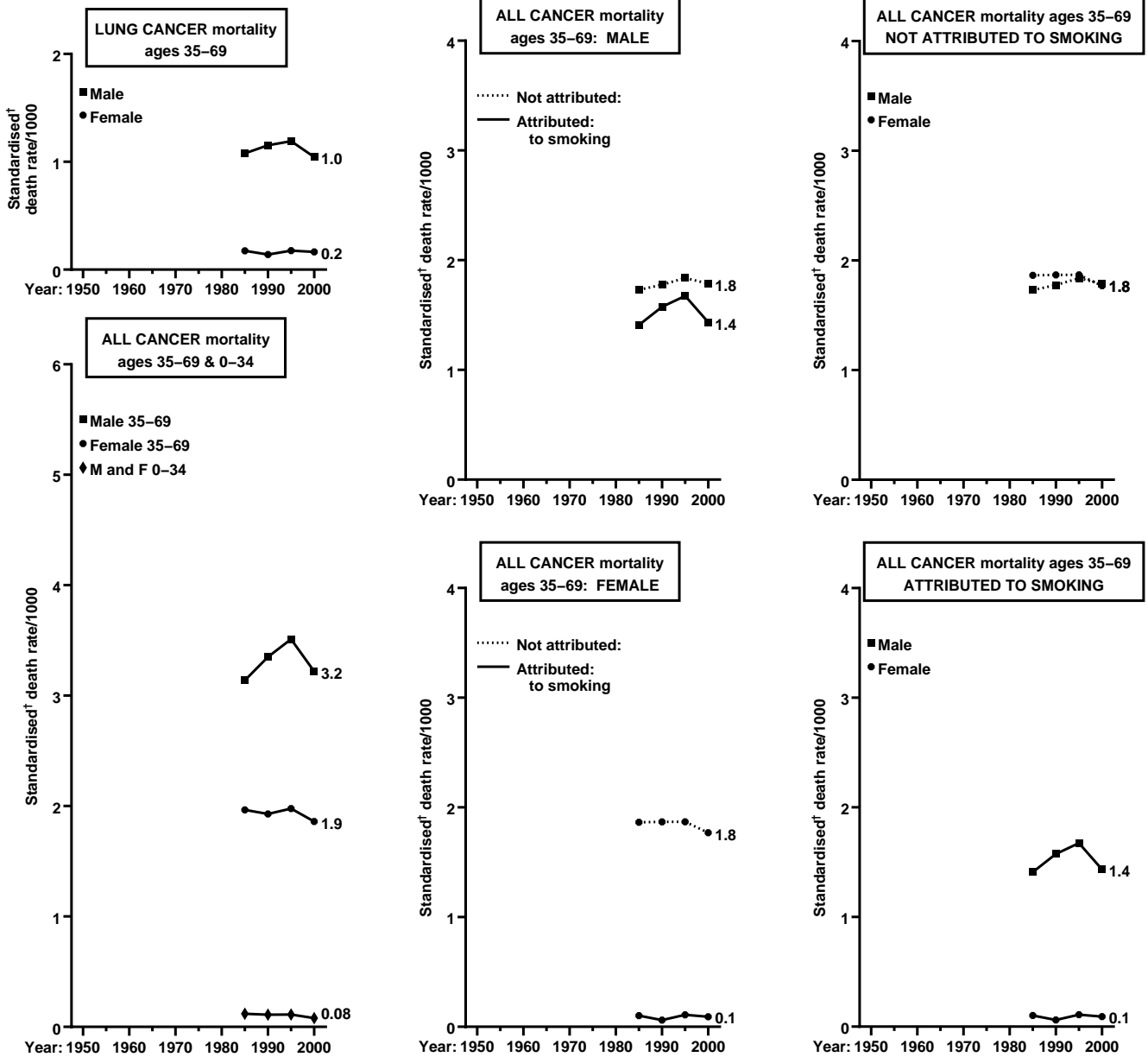


Year	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	1.57	4.34	10.6	7.91	72.3	-	0.96	0.45	7.07	1.69	57.7
1990	-	1.58	4.73	10.9	7.34	70.6	-	0.89	0.28	7.21	0.87	53.7
1995	-	1.54	5.14	11.6	7.49	70.0	-	0.88	0.43	6.91	1.51	52.0
2000	-	1.38	4.51	11.4	6.77	70.5	-	0.87	0.37	6.90	0.91	52.4

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: BULGARIA

ALL CANCER mortality rates attributed and not attributed to smoking



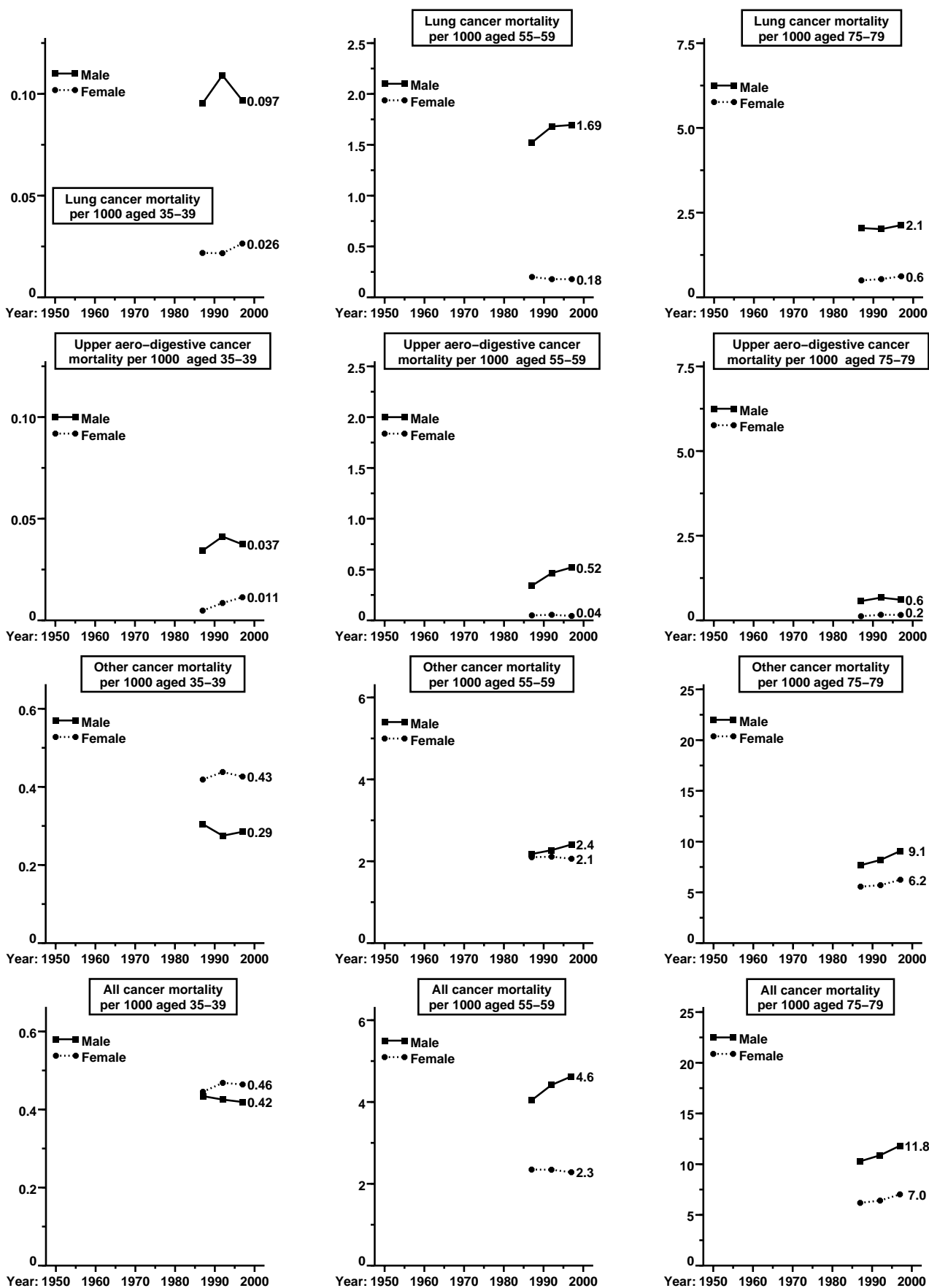
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)							FEMALE cancer mortality (annual rate/1000, by age)					
	Attributed to smoking?	0-34		35-69		70-79		0-34		35-69		70-79	
		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	...	
1965	...	...	...	...	...	...	...	...	...	...	...	...	
1970	...	...	...	...	...	...	...	...	...	...	...	...	
1975	...	...	...	...	...	...	...	...	...	...	...	...	
1980	...	...	...	...	...	...	...	...	...	...	...	...	
1985	-	0.12	1.41	1.73	2.31	7.35	-	0.12	0.10	1.86	0.29	5.79	
1990	-	0.12	1.57	1.78	2.33	7.82	-	0.10	0.06	1.87	0.16	5.55	
1995	-	0.12	1.67	1.84	2.51	7.90	-	0.10	0.11	1.87	0.31	5.73	
2000	-	0.08	1.43	1.79	2.26	7.55	-	0.08	0.09	1.77	0.17	5.45	

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**BULGARIA: 1985-2000**

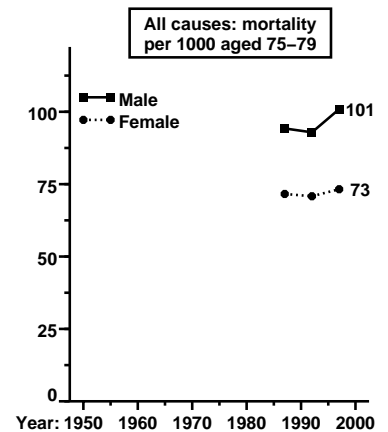
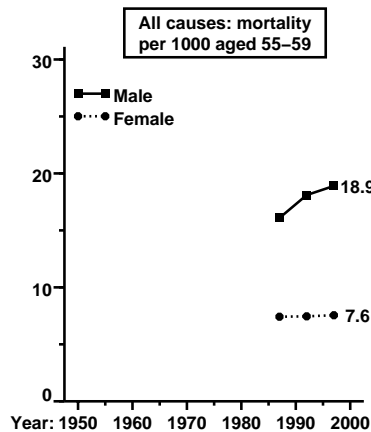
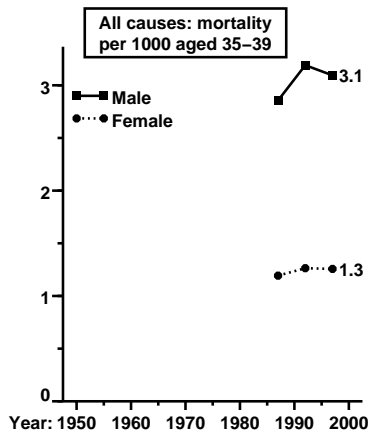
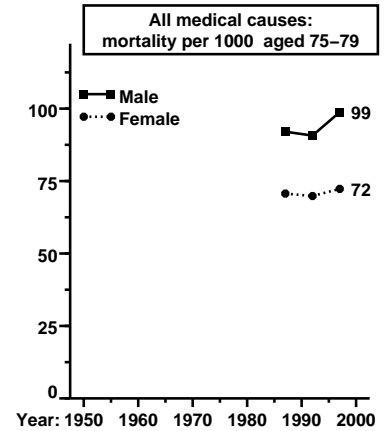
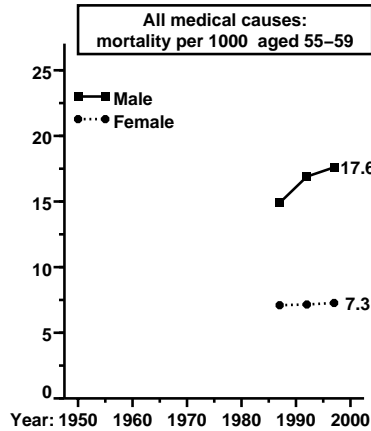
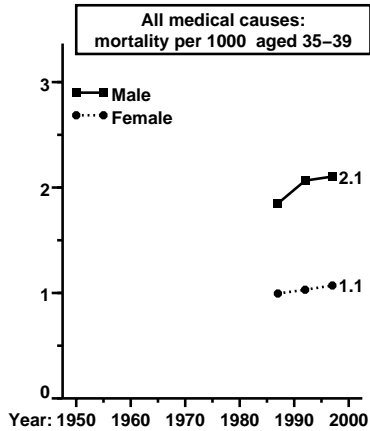
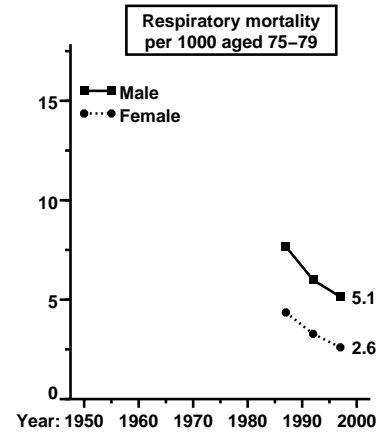
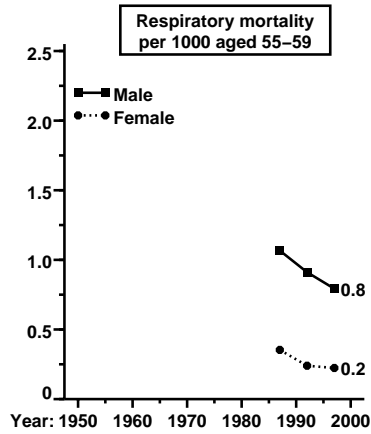
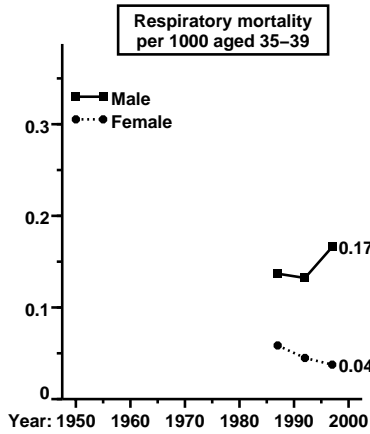
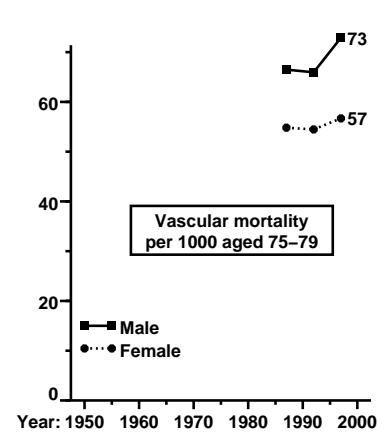
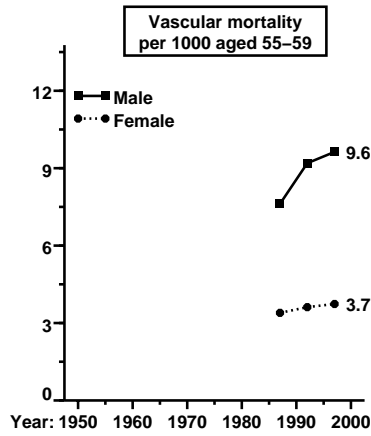
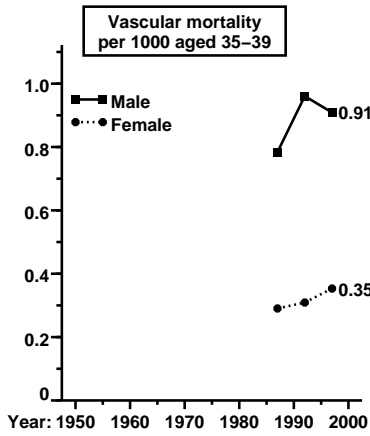
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 98-99

1985-2000: BULGARIA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 98-99

## CANADA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	111741	5145	36314	739.3	71.0	718.7	127.9	14.3	18.0	67.1	90.8	81.0	98.0
	F	106320	2706	22367	480.5	39.7	423.9	102.7	10.4	13.9	33.5	35.8	34.8	46.7
Tuberculosis	M	82	2	27	0.5	0.0	0.6	-	-	-	-	-	0.1	0.1
	F	56	3	14	0.3	0.0	0.2	-	-	-	-	-	0.2	0.1
HIV	M	429	61	359	2.6	0.8	4.7	-	0.1	-	0.1	0.1	1.0	4.1
	F	82	23	56	0.5	0.3	0.7	-	0.1	-	-	0.2	0.9	1.0
Other infective and parasitic	M	1218	43	433	8.0	0.6	8.0	2.0	0.3	0.1	0.5	0.3	0.6	0.6
	F	1245	51	283	5.8	0.8	5.4	1.9	0.7	0.5	0.7	0.5	0.3	0.7
ALL CANCER	M	33360	385	13411	224.4	5.1	278.9	2.3	3.1	2.5	4.1	7.2	6.8	10.0
	F	29312	354	11645	154.0	4.8	219.6	2.4	2.0	1.5	3.9	3.7	6.8	13.5
Mouth and pharynx cancer	M	594	6	335	4.1	0.1	6.5	-	-	-	0.1	0.1	0.2	0.2
	F	307	7	108	1.6	0.1	2.0	-	-	-	-	-	0.1	0.5
Oesophagus cancer	M	1052	-	541	7.2	-	11.0	-	-	-	-	-	-	-
	F	340	2	108	1.7	0.0	2.2	-	-	-	-	-	0.1	0.1
Stomach cancer	M	1195	10	472	8.0	0.1	9.8	-	-	-	-	0.1	0.2	0.6
	F	793	6	254	3.9	0.1	4.8	-	-	-	0.1	-	0.3	0.2
Colorectal cancer	M	3549	15	1455	24.0	0.2	30.5	-	-	-	0.1	0.2	0.4	0.7
	F	3094	11	954	15.1	0.1	18.5	-	-	-	0.1	-	0.2	0.7
Liver cancer	M	651	8	304	4.4	0.1	6.0	0.1	0.2	-	-	0.1	0.1	0.3
	F	311	6	104	1.6	0.1	2.0	0.1	-	-	0.2	0.1	0.2	-
Pancreas cancer	M	1510	6	676	10.2	0.1	14.0	-	-	-	0.1	0.1	0.2	0.2
	F	1582	2	487	7.9	0.0	9.6	-	-	-	-	-	-	0.2
Larynx cancer	M	416	-	189	2.8	-	4.0	-	-	-	-	-	-	-
	F	90	-	40	0.5	-	0.9	-	-	-	-	-	-	-
Lung cancer	M	9650	7	4300	65.7	0.1	92.1	-	-	-	0.1	-	0.3	0.3
	F	6484	10	3055	36.4	0.1	59.7	-	-	-	-	0.2	0.3	0.4
Malignant melanoma	M	432	15	239	2.9	0.2	4.4	-	-	-	-	0.3	0.5	0.6
	F	277	11	140	1.5	0.1	2.3	-	-	-	-	0.1	0.3	0.6
Female breast cancer	F	4857	40	2399	26.5	0.5	42.4	-	-	-	-	-	0.2	3.4
Cervix cancer	F	398	24	237	2.3	0.3	3.8	-	-	-	-	0.3	0.5	1.4
Other uterine cancer	F	640	2	225	3.3	0.0	4.3	-	-	-	-	-	0.1	0.1
Ovarian cancer	F	1402	18	644	7.7	0.2	12.1	-	-	-	0.3	0.1	0.5	0.8
Prostate cancer	M	3718	-	615	24.2	-	14.5	-	-	-	-	-	-	-
Bladder cancer	M	1082	2	298	7.2	0.0	6.5	-	-	-	-	-	-	0.2
	F	437	-	84	1.9	-	1.7	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	6313	173	2672	42.3	2.3	53.0	1.3	2.0	1.3	1.8	3.0	2.3	4.5
	F	5675	126	1984	28.9	1.8	37.6	1.7	1.7	1.0	1.3	1.3	2.5	2.8
Hodgkin's disease	M	78	14	43	0.5	0.2	0.7	-	-	0.1	0.1	0.5	0.6	0.1
	F	50	11	15	0.3	0.2	0.3	-	-	-	0.2	0.4	0.3	0.2
Myeloma and non-Hodgkin lymphomas	M	1930	38	839	13.0	0.5	17.1	-	0.1	0.1	0.5	0.9	0.8	1.1
	F	1717	24	582	8.8	0.3	11.3	-	0.1	0.1	0.6	-	0.5	1.0
Leukaemia	M	1190	91	433	7.9	1.2	8.7	0.9	0.9	0.9	1.3	2.0	1.3	1.3
	F	858	54	225	4.2	0.8	4.1	0.6	0.2	0.4	1.1	1.2	0.8	1.1
Diabetes	M	3322	33	1085	22.0	0.4	22.4	-	-	0.2	0.2	0.2	0.8	1.7
	F	3392	17	620	15.0	0.2	12.6	-	-	0.1	0.1	0.3	0.5	0.6
ALL VASCULAR DISEASE	M	38080	206	10448	250.6	2.8	216.5	2.2	0.5	0.5	1.7	3.2	4.6	6.6
	F	38346	143	4193	154.8	2.0	85.1	2.3	0.3	0.9	1.4	2.5	2.4	4.2
Rheumatic heart disease and fever	M	122	1	34	0.8	0.0	0.6	-	-	0.1	-	-	-	-
	F	304	-	77	1.4	-	1.6	-	-	-	-	-	-	-
Hypertensive disease	M	592	4	142	3.9	0.1	3.0	-	-	-	-	0.1	-	0.3
	F	1100	1	71	4.2	0.0	1.4	-	-	-	-	0.1	-	-
Ischaemic heart disease	M	23354	44	7286	154.6	0.6	150.9	-	-	-	-	0.3	1.1	2.5
	F	19063	22	2234	77.9	0.3	46.5	0.1	-	-	0.2	0.1	0.7	1.0
Pulmonary embolism and other venous	M	416	9	171	2.8	0.1	3.2	-	-	-	-	-	0.5	0.4
	F	557	14	165	2.7	0.2	3.0	-	-	-	0.1	0.7	0.2	0.4
Cerebrovascular disease	M	6421	29	1204	41.7	0.4	25.3	0.1	0.1	0.1	0.3	0.5	0.7	1.0
	F	9155	32	862	36.2	0.5	16.8	0.5	0.2	0.3	0.2	0.5	0.9	0.6
Other vascular disease	M	7175	119	1611	46.9	1.6	33.3	2.1	0.4	0.3	1.4	2.4	2.4	2.5
	F	8167	74	784	32.4	1.0	15.7	1.7	0.1	0.6	0.9	1.1	0.7	2.2
Chronic obstructive pulmonary disease	M	5518	14	850	35.8	0.2	19.7	0.2	-	-	0.3	0.7	0.1	0.1
	F	4301	21	640	18.8	0.3	13.6	0.1	0.1	0.1	0.2	0.6	0.5	0.4
Other respiratory disease	M	3820	62	659	24.8	0.9	13.2	2.8	0.4	0.2	0.5	0.4	0.8	1.2
	F	4105	43	419	16.3	0.6	8.2	1.6	0.2	0.3	0.2	0.7	0.6	0.8
Peptic ulcer	M	234	2	65	1.5	0.0	1.2	-	-	-	-	-	0.1	0.1
	F	190	1	26	0.8	0.0	0.5	-	-	-	-	0.1	-	-
Liver cirrhosis	M	1468	9	1011	10.1	0.1	19.5	-	-	-	-	-	0.1	0.7
	F	699	3	382	4.0	0.0	7.0	-	-	-	-	0.1	-	0.2
Renal disease	M	1642	6	307	10.7	0.1	6.6	0.1	-	-	-	0.2	0.1	0.2
	F	1650	13	200	6.8	0.2	4.0	0.3	-	-	0.1	0.1	0.1	0.6
Pregnancy, birth	F	11	10	1	0.1	0.1	0.0	-	-	-	0.1	0.2	0.2	0.4
Congenital and perinatal causes	M	1001	858	105	8.3	13.4	1.6	86.2	1.4	1.2	1.4	1.2	0.8	1.3
	F	817	655	108	6.9	10.7	1.7	69.1	1.1	0.7	0.7	1.8	1.0	0.8
Ill-defined causes	M	1392	272	615	9.3	3.9	10.2	11.6	0.3	0.5	1.7	4.6	4.2	4.2
	F	1345	143	258	6.2	2.2	4.4	8.9	0.3	0.6	1.5	1.3	1.5	1.2
Other medical causes	M	11361	362	2750	74.2	5.0	54.1	10.4	2.3	1.7	3.7	5.1	4.5	7.4
	F	16334	327	2100	67.3	4.7	39.7	8.7	2.6	2.8	3.1	4.6	5.2	6.0
ALL NON-MEDICAL CAUSES	M	8814	2830	4189	56.4	37.7	61.5	10.0	5.9	11.2	53.1	67.7	56.5	59.8
	F	4435	899	1422	23.0	12.6	21.2	7.2	3.0	6.4	21.6	19.2	14.7	16.1
Road traffic accidents	M	1861	881	759	12.0	11.8	11.4	1.7	3.1	3.4	21.5	24.6	15.3	13.0
	F	887	360	335	5.5	5.1	5.2	1.4	1.6	2.9	12.5	8.8	4.3	3.9
Fire	M	150	39	74	1.0	0.5	1.1	0.7	0.6	0.5	0.5	0.4	0.6	0.6
	F	92	26	26	0.5	0.4	0.4	0.8	0.2	0.2	0.2	0.4	0.3	0.5
Suicide	M	2798	943	1631	17.7	12.5	23.0	-	-	2.8	16.3	24.4	20.5	23.3
	F	807	248	506	5.1	3.4	7.1	-	-	1.7	5.2	6.0	5.9	5.2
Homicide	M	337	168	149	2.1	2.3	2.0	1.7	0.1	0.2	2.8	3.7	4.1	3.3
	F	126	56	57	0.8	0.8	0.7	1.2	0.2	0.3	1.1	1.1	0.9	0.9
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				15197	7324	6767	858	1048	1053	1061	1055	1061	1143	
				15492	7025	6845	903	997	1000	1006	1006	1035	1124	

## 2000: CANADA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
128.6	186.6	278.0	439.8	745.3	1235.9	2016.7	3293.4	5347.7	11896.9	M	ALL CAUSES	001-999/A00-Y89
70.6	111.8	172.7	291.3	454.6	717.9	1148.3	1890.3	3161.2	9286.9	F		
0.2	-	-	0.3	0.1	1.0	2.5	2.4	3.6	9.6	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	0.2	0.3	0.2	0.4	0.3	0.3	1.6	1.7	3.7	F		
6.2	7.7	6.2	5.2	3.9	1.9	1.5	1.3	0.6	0.3	M	HIV	279.5, 279.6/B20-B24
1.9	1.0	0.4	0.5	0.4	0.3	0.5	-	0.4	0.2	F		
1.6	3.0	5.6	7.1	8.1	10.4	20.0	34.7	54.8	127.4	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.8	1.2	2.3	3.7	6.1	10.6	12.7	26.3	35.1	99.7	F		
16.9	38.9	73.7	163.8	306.4	538.1	814.3	1278.3	1727.9	2526.8	M	ALL CANCER	140-208/C00-C97
28.3	52.8	91.6	169.3	263.2	388.2	543.9	757.2	986.7	1411.7	F		
0.4	1.7	2.3	5.6	8.7	12.2	14.7	19.9	21.5	28.7	M	Mouth and pharynx cancer	140-149/C00-C14
0.6	0.8	0.4	1.8	1.8	3.9	4.7	8.0	11.4	15.6	F		
0.9	1.0	3.2	8.5	14.4	18.0	30.9	41.1	45.6	54.3	M	Oesophagus cancer	150/C15
0.1	0.1	0.7	1.5	1.3	3.6	8.5	9.9	12.7	19.2	F		
0.4	1.8	2.9	5.0	10.2	20.3	28.0	44.8	57.5	100.6	M	Stomach cancer	151/C16
0.6	1.5	2.4	3.8	3.8	8.1	13.2	18.5	26.2	51.1	F		
1.6	3.0	8.2	17.2	34.1	63.2	85.9	132.8	177.3	279.7	M	Colorectal cancer	153, 154/C18-C21
1.7	2.7	6.0	13.6	23.3	32.5	50.0	69.1	114.2	201.0	F		
0.2	1.4	3.1	4.0	7.1	9.9	16.4	27.7	31.3	34.2	M	Liver cancer	155.0/C22 excl C221
0.3	0.2	0.7	0.7	3.7	3.0	5.7	8.8	10.8	16.9	F		
0.5	2.3	3.9	8.4	14.1	30.1	38.9	53.5	83.7	96.4	M	Pancreas cancer	157/C25
0.7	1.3	2.2	7.2	10.4	19.2	26.4	46.6	60.9	91.3	F		
-	0.4	1.0	2.1	4.7	8.8	11.1	18.6	22.9	20.8	M	Larynx cancer	161/C32
-	-	-	0.4	0.8	0.9	4.1	3.1	2.5	3.5	F		
1.6	7.9	19.1	47.9	99.0	187.8	281.2	421.2	511.3	542.5	M	Lung cancer	162/C33, C34
2.5	10.7	21.0	37.7	77.5	111.0	157.4	206.3	227.2	202.0	F		
1.0	1.7	2.3	3.5	6.0	6.5	10.0	12.2	18.2	19.5	M	Malignant melanoma	172/C43
0.9	1.4	2.1	1.9	2.5	3.3	4.2	4.9	7.8	10.3	F		
9.0	14.7	24.2	46.0	50.6	72.7	79.3	105.0	128.6	205.1	F	Female breast cancer	174/C50
2.1	2.5	3.3	4.4	3.9	5.5	4.7	5.7	9.1	10.5	F	Cervix cancer	180/C53
0.4	0.7	1.5	3.5	5.3	7.3	11.5	16.1	25.0	34.4	F	Other uterine cancer	179, 182/C54, C55
1.3	2.4	5.7	9.1	16.8	22.5	27.0	37.3	47.0	52.1	F	Ovarian cancer	183/C56, C570-C574
-	0.2	0.5	2.7	10.1	24.9	63.1	128.7	247.0	538.0	M	Prostate cancer	185/C61
0.1	0.7	1.0	3.6	5.2	12.2	22.6	41.1	59.0	126.4	M	Bladder cancer	188/C67
0.3	0.2	0.2	1.2	1.5	3.1	5.2	10.1	14.8	37.8	F		
6.8	11.6	16.6	39.9	62.3	97.2	136.6	223.1	301.3	458.5	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.0	10.4	15.4	25.6	43.2	65.4	98.2	134.9	190.1	319.9	F	Hodgkin's disease	201/C81
0.4	0.4	0.3	0.8	1.0	1.1	1.1	2.4	1.5	1.6	M		
0.1	0.2	0.1	0.2	0.5	0.3	0.5	0.5	2.3	1.7	F		
1.9	2.5	5.9	9.3	21.1	31.0	47.8	71.0	94.5	131.2	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.4	2.0	3.7	8.0	12.2	18.1	33.8	49.6	66.2	87.5	F	Leukaemia	204-208/C91-C95
1.0	2.4	3.2	5.1	8.5	14.9	25.8	40.2	55.4	94.5	M		
1.4	1.3	2.0	2.8	4.1	7.8	9.3	22.9	29.8	51.9	F		
2.4	4.4	5.8	11.1	25.1	40.9	67.3	117.8	174.6	344.5	M	Diabetes	250/E10-E14
1.1	2.1	2.8	6.8	10.4	21.2	43.6	74.2	129.4	288.3	F		
16.7	34.3	67.5	120.2	225.5	382.1	668.9	1130.0	2000.0	4962.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
6.6	13.2	21.9	41.5	76.1	147.8	288.4	567.4	1141.9	4233.0	F		
0.1	0.1	0.5	0.6	0.6	1.6	0.9	2.8	9.2	13.7	M	Rheumatic heart disease and fever	390-398/I00-I09
0.1	0.2	0.4	0.6	1.0	3.9	4.9	7.7	10.8	22.2	F		
0.4	0.8	0.8	1.2	2.1	4.7	11.1	17.7	29.2	85.2	M	Hypertensive disease	401-405/I10-I15
0.2	0.2	0.5	0.6	1.7	3.1	3.6	13.2	27.5	137.1	F		
8.9	23.4	45.5	88.1	163.5	269.0	458.2	722.3	1227.4	2745.5	M	Ischaemic heart disease	410-414/I20-I25
2.3	5.0	8.9	19.4	39.8	84.3	166.2	309.7	602.2	2035.5	F		
0.7	0.8	1.8	2.5	4.1	4.9	7.8	14.6	17.6	35.1	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	1.3	1.5	2.0	3.6	5.2	7.1	11.7	18.4	37.7	F		
2.3	3.6	8.7	11.0	23.2	44.2	84.2	178.9	365.6	1003.2	M	Cerebrovascular disease	430-438/I60-I69
1.7	3.6	6.4	10.9	15.0	26.7	53.6	120.9	261.6	1055.9	F		
4.4	5.7	10.2	16.9	31.9	57.7	106.6	193.6	351.0	1079.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
1.8	2.8	4.3	8.0	15.1	24.7	53.1	104.2	221.4	944.6	F		
0.7	0.3	2.0	4.7	12.7	32.5	85.1	174.4	357.0	848.7	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.4	0.9	1.8	5.3	11.4	24.2	51.2	105.7	176.0	370.1	F		
2.5	3.1	4.8	7.5	12.8	20.3	41.7	87.6	174.3	674.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.1	2.1	2.7	4.1	7.8	14.0	25.7	46.4	95.8	487.2	F		
0.1	0.5	0.8	1.1	0.6	2.1	3.5	8.1	10.4	30.3	M	Peptic ulcer	531-533/K25-K27
0.2	0.1	0.3	0.2	0.4	0.6	1.9	3.1	3.8	21.2	F		
2.1	5.5	10.6	13.8	22.8	33.6	48.2	44.1	42.0	33.5	M	Liver cirrhosis	571/K70, K74
1.6	2.1	3.4	5.9	6.5	12.3	17.4	19.6	20.9	17.9	F		
0.5	0.7	2.1	2.2	5.6	11.5	23.8	46.5	93.6	256.1	M	Renal disease	580-590/N00-N19
0.8	0.7	1.1	1.8	2.4	6.4	15.0	28.9	58.8	166.1	F		
0.1	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
1.0	1.3	1.8	1.8	1.8	1.1	2.5	2.2	3.9	4.8	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.1	1.2	1.4	2.2	1.9	2.2	1.5	3.5	3.0	3.5	F	Ill-defined causes	780-799/R00-R99
6.1	6.8	8.5	8.4	10.5	13.0	18.0	20.3	29.8	99.6	M		
1.8	2.2	3.7	3.5	3.3	5.9	10.5	12.3	17.6	131.8	F		
10.6	14.2	22.7	34.7	51.4	92.4	152.6	269.4	548.3	1652.6	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.5	11.3	17.4	24.9	42.4	63.2	110.9	206.3	426.6	1785.9	F		
61.0	65.8	66.0	58.0	58.1	54.8	66.8	76.3	126.9	325.7	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
17.4	20.5	21.8	21.4	21.9	20.4	24.7	37.8	63.5	266.7	F		
10.7	10.4	12.6	9.7	11.6	10.4	14.7	10.9	22.1	31.0	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
2.9	5.4	4.7	4.8	5.6	5.8	7.1	9.9	15.2	11.0	F		
0.7	0.8	1.2	1.4	1.6	0.6	1.6	0.7	4.8	5.7	M	Fire	E890-E899/X00-X09
0.3	0.3	0.3	0.2	0.6	0.5	0.7	1.5	1.1	4.5	F		
25.4	29.7	24.8	23.3	21.2	19.7	16.7	17.0	23.2	21.7	M	Suicide	E950-E959/X60-X84
6.5	8.1	9.7	8.6	6.2	4.8	5.6	4.2	3.4	2.3	F		
3.3	3.1	1.7	1.7	0.9	1.6	1.6	1.5	1.8	2.2	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.3	1.3	0.9	0.4	0.4	0.6	0.2	0.9	0.6	0.8	F		
1353	1303	1153	1019	773	616	550	458	336	313	M	POPULATION	
1333	1303	1163	1028	787	641	592	547	473	603	F	(1000s; UN, 2004 revision)	

<b>CANADA: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	6896	390	17	6	367	24	99	255	14	2533	3581
35-69	Sm.	11826	6098	4265	706	1127	762	204	3116	-	1646	-
	Total	38329 (31%)	13586 (45%)	4642 (92%)	1133 (62%)	7811 (14%)	995 (77%)	782 (26%)	11869 (26%)	1012	6024 (27%)	4061
70+	Sm.	15671	6812	4687	515	1610	3379	474	3656	-	1350	-
	Total	66171 (24%)	17356 (39%)	5110 (92%)	826 (62%)	11420 (14%)	4496 (75%)	3814 (12%)	27967 (13%)	477	10475 (13%)	1586
Any age	Sm.	27497	12910	8952	1221	2737	4141	678	6772	-	2996	-
	Total	111396 (25%)	31332 (41%)	9769 (92%)	1965 (62%)	19598 (14%)	5515 (75%)	4695 (14%)	40091 (17%)	1503	19032 (16%)	9228
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5145	385	7	6	372	14	62	206	9	1639	2830
35-69	Sm.	9954	5466	3882	608	976	621	151	2382	-	1334	-
	Total	36314 (27%)	13411 (41%)	4300 (90%)	1065 (57%)	8046 (12%)	850 (73%)	659 (23%)	10448 (23%)	1011	5746 (23%)	4189
70+	Sm.	15655	7148	4856	590	1702	3403	348	3214	-	1542	-
	Total	70282 (22%)	19564 (37%)	5343 (91%)	991 (60%)	13230 (13%)	4654 (73%)	3099 (11%)	27426 (12%)	448	13296 (12%)	1795
Any age	Sm.	25609	12614	8738	1198	2678	4024	499	5596	-	2876	-
	Total	111741 (23%)	33360 (38%)	9650 (91%)	2062 (58%)	21648 (12%)	5518 (73%)	3820 (13%)	38080 (15%)	1468	20681 (14%)	8814

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	14503	7531	6015	1288	1149	1029	791	642	594	524	420	270	266
2000	15197	7324	6767	1353	1303	1153	1019	773	616	550	458	336	313
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	111396	6896	38329	2225	2572	3308	4118	5380	8412	12314	15650	16340	34181
2000	111741	5145	36314	1740	2432	3205	4482	5762	7607	11086	15074	17947	37261
<b>Lung cancer</b>													
1995	9769	17	4642	43	111	262	445	776	1233	1772	1956	1523	1631
2000	9650	7	4300	22	103	220	488	765	1156	1546	1928	1716	1699
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	836.7*	89.5*	834.7*	172.8	223.8	321.6	520.8	838.7	1417.1	2348.2	3725.3	6045.1	12840.3
2000	739.3*	71.0*	718.7*	128.6	186.6	278.0	439.8	745.3	1235.9	2016.7	3293.4	5347.7	11896.9
<b>All cancer</b>													
1995	240.1*	4.9*	311.4*	21.6	39.7	90.0	181.2	339.0	590.1	918.2	1331.6	1797.6	2593.2
2000	224.4*	5.1*	278.9*	16.9	38.9	73.7	163.8	306.4	538.1	814.3	1278.3	1727.9	2526.8
<b>Lung cancer</b>													
1995	75.4*	0.2*	108.8*	3.3	9.7	25.5	56.3	121.0	207.7	337.9	465.6	563.4	612.7
2000	65.7*	0.1*	92.1*	1.6	7.9	19.1	47.9	99.0	187.8	281.2	421.2	511.3	542.5
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	15.3*	0.1*	25.8*	0.9	3.5	7.0	17.8	31.8	51.5	68.3	83.8	75.8	101.1
2000	14.1*	0.1*	21.5*	1.3	3.1	6.6	16.2	27.7	39.0	56.8	79.5	90.0	103.8
<b>Other cancer</b>													
1995	149.3*	4.7*	176.8*	17.3	26.5	57.6	107.1	186.3	330.9	512.0	782.2	1158.3	1879.4
2000	144.6*	5.0*	165.3*	14.0	27.9	48.0	99.7	179.8	311.3	476.3	777.6	1126.6	1880.6
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	41.4*	0.3*	24.8*	0.8	0.5	2.7	6.8	15.0	37.1	110.8	215.4	402.5	940.3
2000	35.8*	0.2*	19.7*	0.7	0.3	2.0	4.7	12.7	32.5	85.1	174.4	357.0	848.7
<b>Other respiratory disease</b>													
1995	35.3*	1.3*	17.8*	1.9	3.6	5.4	10.9	14.2	27.8	60.6	127.8	260.1	966.9
2000	24.8*	0.9*	13.2*	2.5	3.1	4.8	7.5	12.8	20.3	41.7	87.6	174.3	674.6
<b>Vascular disease</b>													
1995	304.0*	3.2*	271.8*	21.0	43.7	78.3	152.0	273.6	490.1	844.0	1424.9	2528.3	5690.1
2000	250.6*	2.8*	216.5*	16.7	34.3	67.5	120.2	225.5	382.1	668.9	1130.0	2000.0	4962.3
<b>Liver cirrhosis</b>													
1995	11.7*	0.2*	21.8*	1.9	5.7	10.8	17.3	28.1	37.7	51.3	54.3	55.1	37.6
2000	10.1*	0.1*	19.5*	2.1	5.5	10.6	13.8	22.8	33.6	48.2	44.1	42.0	33.5
<b>Other medical causes</b>													
1995	140.9*	33.3*	120.1*	52.8	60.4	71.4	85.6	107.4	173.3	290.0	485.4	869.4	2286.3
2000	137.3*	24.2*	109.4*	28.7	38.6	53.5	71.8	107.1	174.5	291.8	502.7	919.5	2525.2
<b>All non-medical causes</b>													
1995	63.3*	46.2*	66.9*	72.8	70.2	63.0	66.9	61.4	61.0	73.2	85.9	132.1	326.1
2000	56.4*	37.7*	61.5*	61.0	65.8	66.0	58.0	58.1	54.8	66.8	76.3	126.9	325.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994



## 1995, 2000: CANADA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	3311	399	22	4	373	17	83	188	9	1579	1036
35-69	Sm.	5578	2704	2199	168	337	529	127	1338	-	880	-
	Total	22509	11050	2634	296	8120	708	488	5091	412	3351	1409
		(25%)	(24%)	(83%)	(57%)	(4%)	(75%)	(26%)	(26%)		(26%)	
70+	Sm.	10124	2927	2209	235	483	2159	399	3193	-	1446	-
	Total	73517	15029	2651	422	11956	2945	4437	33746	311	15159	1890
		(14%)	(19%)	(83%)	(56%)	(4%)	(73%)	(9%)	(9%)		(10%)	
Any age	Sm.	15702	5631	4408	403	820	2688	526	4531	-	2326	-
	Total	99337	26478	5307	722	20449	3670	5008	39025	732	20089	4335
		(16%)	(21%)	(83%)	(56%)	(4%)	(73%)	(11%)	(12%)		(12%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2706	354	10	9	335	21	43	143	3	1243	899
35-69	Sm.	5880	3099	2579	149	371	487	116	1163	-	1015	-
	Total	22367	11645	3055	256	8334	640	419	4193	382	3666	1422
		(26%)	(27%)	(84%)	(58%)	(4%)	(76%)	(28%)	(28%)		(28%)	
70+	Sm.	12951	3849	2923	284	642	2793	387	3706	-	2216	-
	Total	81247	17313	3419	472	13422	3640	3643	34010	314	20213	2114
		(16%)	(22%)	(85%)	(60%)	(5%)	(77%)	(11%)	(11%)		(11%)	
Any age	Sm.	18831	6948	5502	433	1013	3280	503	4869	-	3231	-
	Total	106320	29312	6484	737	22091	4301	4105	38346	699	25122	4435
		(18%)	(24%)	(85%)	(59%)	(5%)	(76%)	(12%)	(13%)		(13%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>														
1995		14799	7241	6117	1283	1157	1030	793	652	614	588	536	391	514
2000		15492	7025	6845	1333	1303	1163	1028	787	641	592	547	473	603
<b>NUMBER OF DEATHS (Source: WHO)</b>														
<b>All causes</b>														
1995		99337	3311	22509	984	1366	2038	2501	3333	4784	7503	10895	13302	49320
2000		106320	2706	22367	941	1456	2009	2993	3577	4599	6792	10338	14946	55963
<b>Lung cancer</b>														
1995		5307	22	2634	57	113	213	314	430	631	876	994	750	907
2000		6484	10	3055	33	139	244	387	610	711	931	1128	1074	1217
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
<b>All causes</b>														
1995		514.8*	45.5*	467.8*	76.7	118.1	197.9	315.4	511.1	778.6	1276.7	2031.5	3406.4	9599.1
2000		480.5*	39.7*	423.9*	70.6	111.8	172.7	291.3	454.6	717.9	1148.3	1890.3	3161.2	9286.9
<b>All cancer</b>														
1995		157.2*	5.1*	228.8*	28.7	55.8	107.5	177.7	274.7	393.1	563.9	766.7	963.1	1392.8
2000		154.0*	4.8*	219.6*	28.3	52.8	91.6	169.3	263.2	388.2	543.9	757.2	986.7	1411.7
<b>Lung cancer</b>														
1995		33.3*	0.2*	56.0*	4.4	9.8	20.7	39.6	65.9	102.7	149.1	185.3	192.1	176.5
2000		36.4*	0.1*	59.7*	2.5	10.7	21.0	37.7	77.5	111.0	157.4	206.3	227.2	202.0
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>														
1995		4.2*	0.0*	6.5*	0.4	0.9	1.7	3.7	5.8	12.7	20.2	19.6	26.1	41.8
2000		3.8*	0.1*	5.1*	0.7	0.8	1.1	3.6	3.8	8.4	17.2	21.0	26.6	38.3
<b>Other cancer</b>														
1995		119.7*	4.8*	166.3*	23.8	45.2	85.2	134.4	202.9	277.7	394.6	561.8	744.9	1174.4
2000		113.8*	4.6*	154.8*	25.1	41.3	69.5	128.1	181.9	268.8	369.2	529.9	732.9	1171.4
<b>Chronic obstructive pulmonary disease (COPD)</b>														
1995		18.8*	0.2*	16.1*	0.4	1.0	2.7	4.7	16.1	28.3	59.2	106.3	186.9	320.2
2000		18.8*	0.3*	13.6*	0.4	0.9	1.8	5.3	11.4	24.2	51.2	105.7	176.0	370.1
<b>Other respiratory disease</b>														
1995		22.7*	1.2*	10.3*	1.6	2.2	3.5	6.6	10.6	13.5	34.2	60.6	138.3	695.2
2000		16.3*	0.6*	8.2*	1.1	2.1	2.7	4.1	7.8	14.0	25.7	46.4	95.8	487.2
<b>Vascular disease</b>														
1995		184.2*	2.4*	111.8*	8.2	14.1	28.8	52.6	108.3	192.4	377.9	702.4	1405.1	4766.8
2000		154.8*	2.0*	85.1*	6.6	13.2	21.9	41.5	76.1	147.8	288.4	567.4	1141.9	4233.0
<b>Liver cirrhosis</b>														
1995		4.7*	0.1*	8.4*	1.0	2.8	3.8	8.2	10.1	12.7	20.2	22.0	24.3	19.1
2000		4.0*	0.0*	7.0*	1.6	2.1	3.4	5.9	6.5	12.3	17.4	19.6	20.9	17.9
<b>Other medical causes</b>														
1995		102.1*	22.4*	68.9*	15.3	20.0	30.1	42.9	69.6	112.8	191.6	332.6	614.6	2136.0
2000		109.7*	19.3*	69.2*	15.2	20.0	29.6	43.8	67.7	110.8	197.0	356.2	676.4	2500.3
<b>All non-medical causes</b>														
1995		25.0*	14.1*	23.6*	21.4	22.2	21.5	22.8	21.8	25.9	29.6	40.8	74.0	269.0
2000		23.0*	12.6*	21.2*	17.4	20.5	21.8	21.4	21.9	20.4	24.7	37.8	63.5	266.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## CANADA: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 5.1	– / 2.7	–
35–69	10 / 36	5.9 / 22	23 years
70+	16 / 70	13 / 81	8 years
All ages	26 / 112	19 / 106	13 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	3.9/4.3	4.9/5.3	8.7/9.6	–/0.0	2.6/3.1	2.9/3.4	5.5/6.5
All Cancer	–/0.4	5.5/13 (41%)	7.1/20 (37%)	13/33	–/0.4	3.1/12 (27%)	3.8/17 (22%)	6.9/29
Vascular	–/0.2	2.4/10	3.2/27	5.6/38	–/0.1	1.2/4.2	3.7/34	4.9/38
Respiratory	–/0.1	0.8/1.5	3.8/7.8	4.5/9.3	–/0.1	0.6/1.1	3.2/7.3	3.8/8.4
All Other	–/4.5	1.3/11	1.5/16	2.9/31	–/2.1	1.0/5.5	2.2/23	3.2/30
All Causes	–/5.1	10/36 (27%)	16/70 (22%)	26/112	–/2.7	5.9/22 (26%)	13/81 (16%)	19/106

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	13 / 33 (38%)	6.9 / 29 (24%)	20 / 63 (31%)
All Causes	26 / 112 (23%)	19 / 106 (18%)	44 / 218 (20%)

1950-2000: CANADA

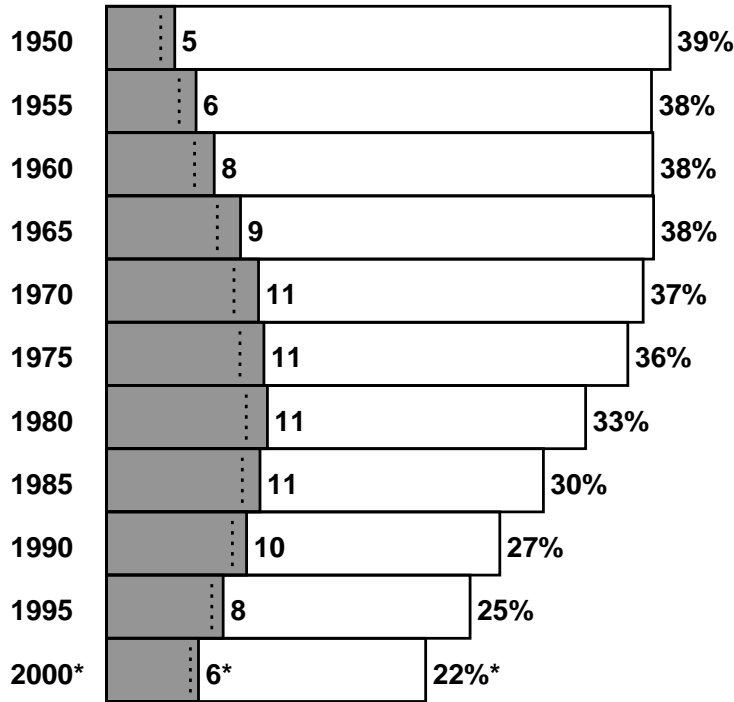
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

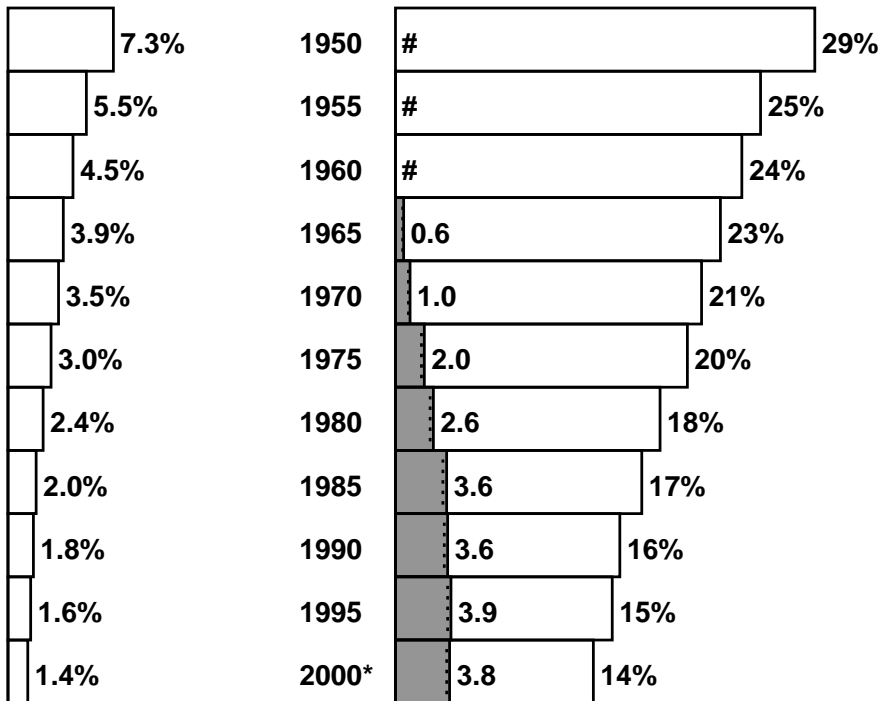
\*eg, at year 2000 male death rates, out of 100 men aged 35, 22 would die before age 70 (with 6 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

## CANADA: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/15	3.5/28 (13%)	0.5/27 (2%)	4.0/70	-/11	0.0/18	0.0/25	0.0/53
1955	-/14	4.9/29 (17%)	1.4/32 (4%)	6.3/75	-/9.4	0.1/17	0.0/27	0.1/53
1960	-/14	6.3/31 (20%)	2.6/37 (7%)	8.9/82	-/8.8	0.0/18	0.0/31	0.0/58
1965	-/12	8.4/34 (25%)	3.9/41 (10%)	12/87	-/7.5	0.5/19 (3%)	0.0/36	0.5/62
1970	-/11	11/38 (28%)	5.8/42 (14%)	17/91	-/6.4	1.0/20 (5%)	0.3/38 (0.7%)	1.3/65
1975	-/11	12/40 (30%)	8.0/45 (18%)	20/97	-/5.7	2.2/22 (10%)	0.7/43 (2%)	2.9/70
1980	-/10	13/40 (33%)	9.9/48 (21%)	23/98	-/4.9	3.1/22 (14%)	2.3/47 (5%)	5.4/74
1985	-/8.2	13/38 (35%)	12/54 (23%)	25/100	-/4.0	4.5/22 (21%)	4.5/55 (8%)	9.0/81
1990	-/7.7	13/38 (35%)	14/58 (24%)	27/104	-/3.7	5.0/22 (23%)	6.9/62 (11%)	12/88
1995	-/6.9	12/38 (31%)	16/66 (24%)	27/111	-/3.3	5.6/23 (25%)	10/74 (14%)	16/99
2000	-/5.1	10/36 (27%)	16/70 (22%)	26/112	-/2.7	5.9/22 (26%)	13/81 (16%)	19/106

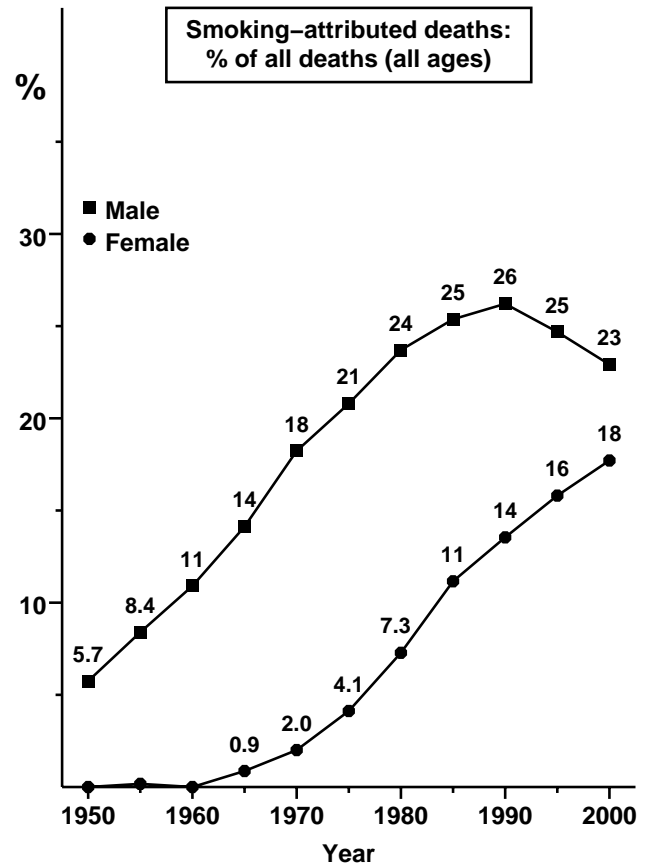
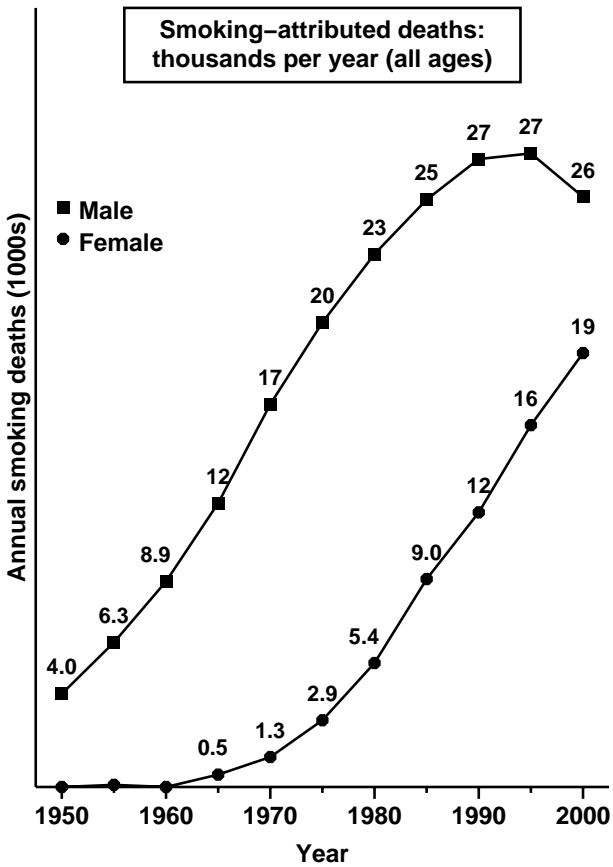
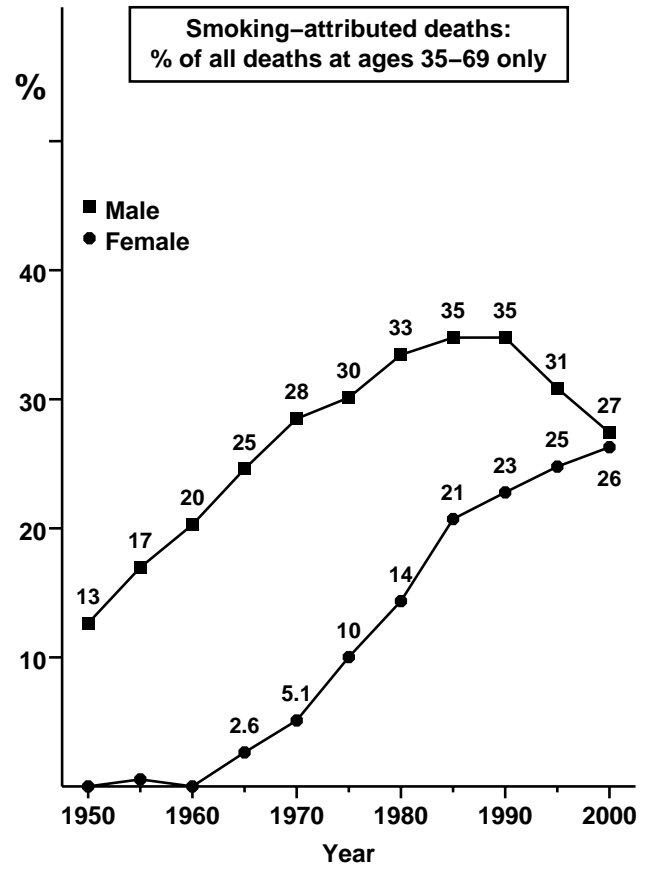
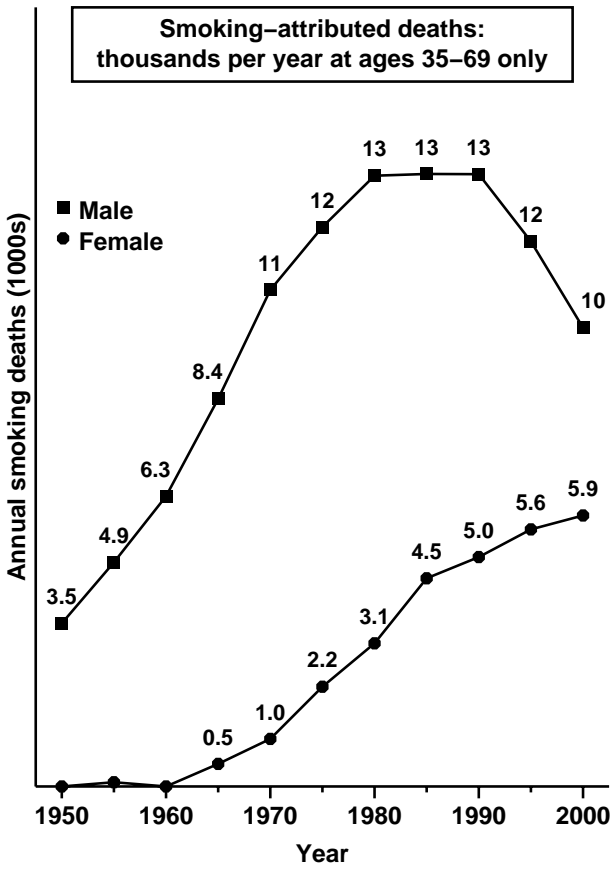
50-year total\* (thousands), mid-1950 to mid-2000: 1200 / 8363

1950-2000 by age & sex:

-/524	505/1797 (28%)	412/2386 (17%)	917/4707	-/299	128/1013 (13%)	154/2344 (7%)	283/3656
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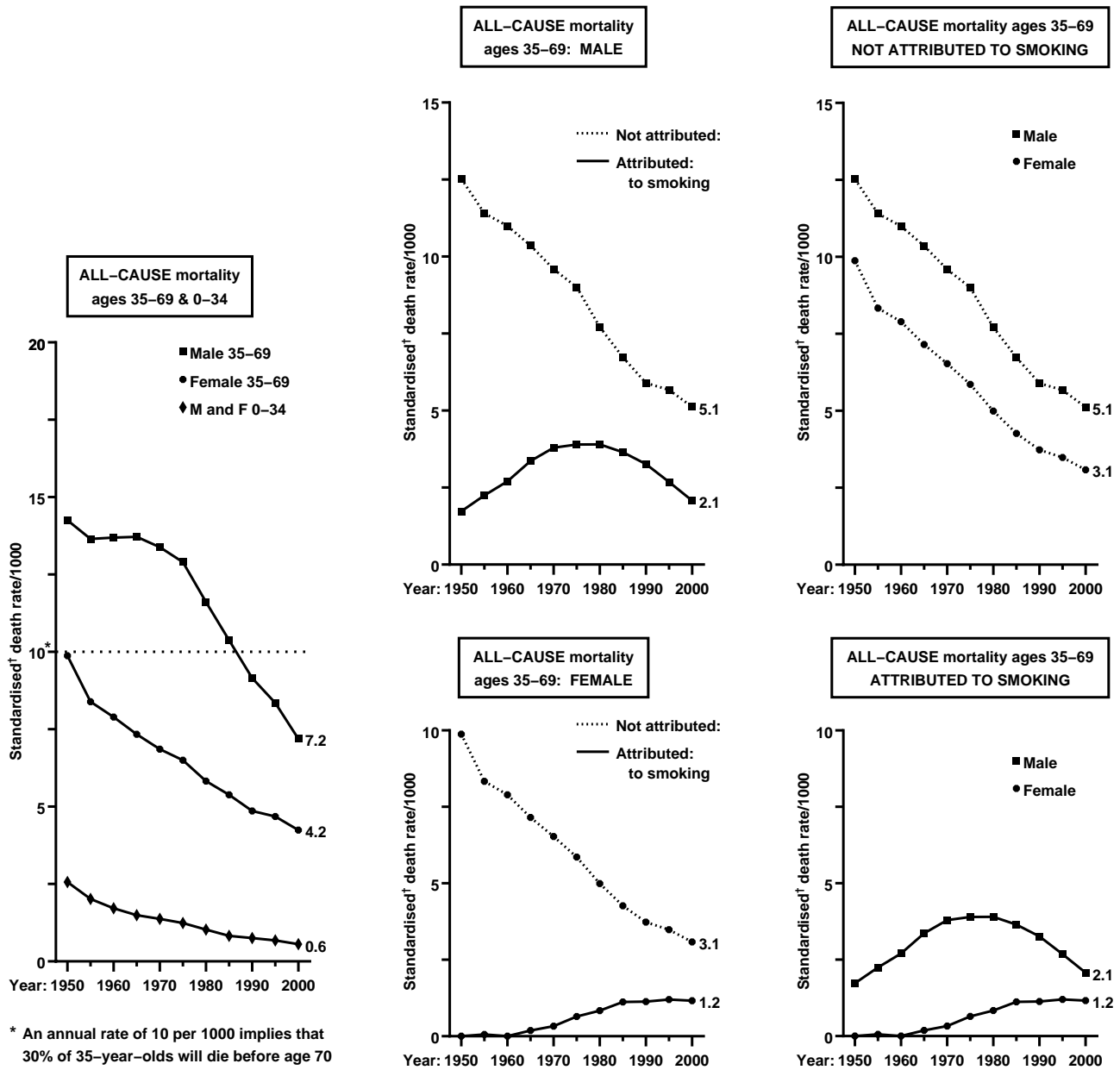
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: CANADA



CANADA: 1950-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking

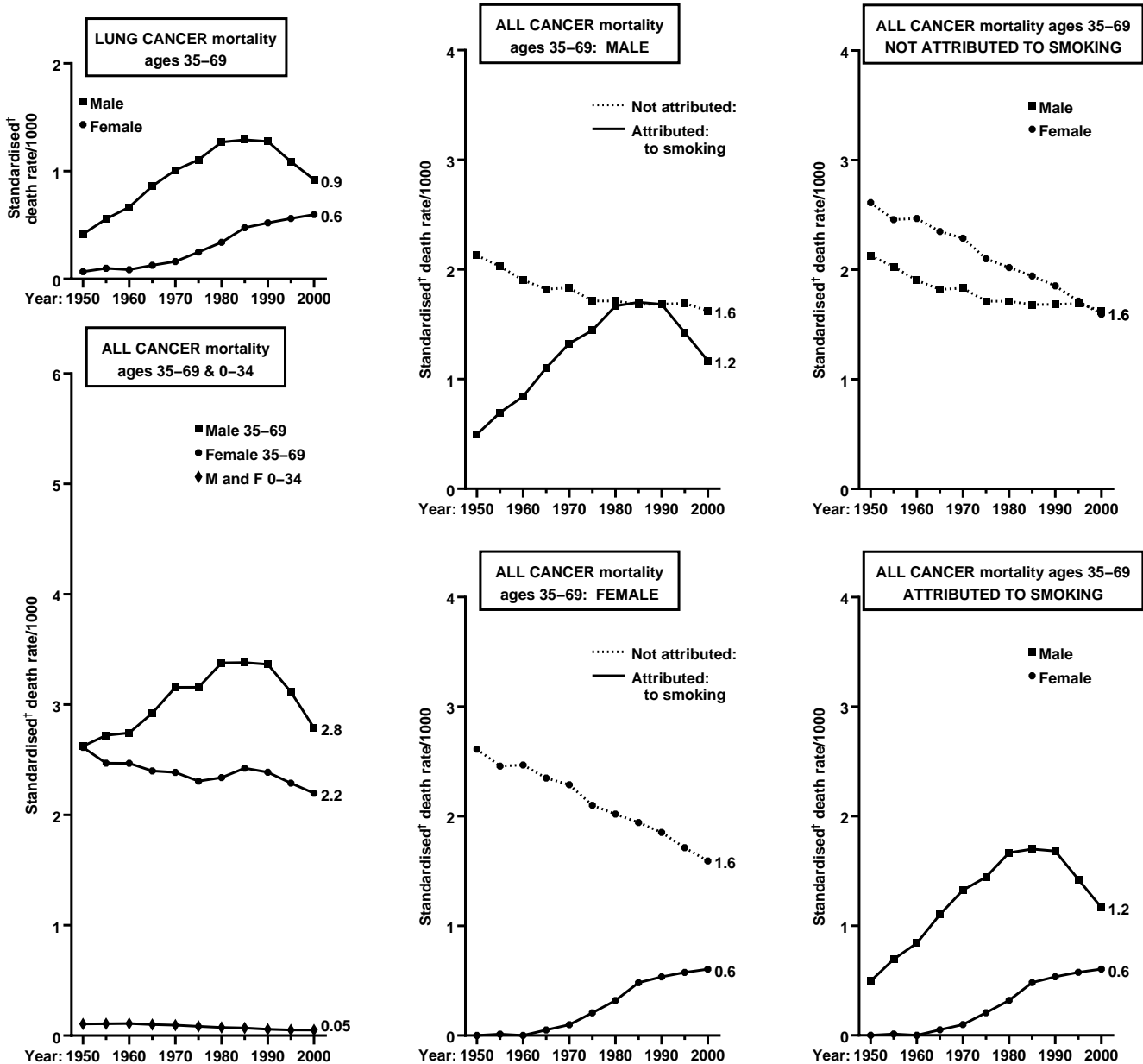


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	-	2.94	1.73	12.5	1.46	68.1	-	2.18	0.00	9.87	0.00	56.2						
1955	-	2.42	2.24	11.4	3.41	65.5	-	1.60	0.06	8.33	0.00	51.1						
1960	-	2.10	2.70	11.0	5.67	63.3	-	1.32	0.00	7.89	0.00	47.3						
1965	-	1.86	3.36	10.4	7.81	60.2	-	1.12	0.18	7.15	0.11	43.4						
1970	-	1.72	3.79	9.59	11.0	55.4	-	1.02	0.33	6.53	0.42	38.6						
1975	-	1.60	3.89	9.00	13.1	50.7	-	0.87	0.64	5.86	0.91	35.6						
1980	-	1.34	3.90	7.71	14.0	46.0	-	0.71	0.83	4.99	2.17	30.7						
1985	-	1.08	3.64	6.73	14.4	42.4	-	0.57	1.12	4.26	3.40	27.3						
1990	-	0.99	3.26	5.89	14.1	37.4	-	0.51	1.13	3.73	4.25	23.9						
1995	-	0.89	2.68	5.67	13.0	35.8	-	0.46	1.20	3.48	5.06	22.1						
2000	-	0.71	2.07	5.12	11.1	32.1	-	0.40	1.16	3.08	5.42	19.8						

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: CANADA

ALL CANCER mortality rates attributed and not attributed to smoking



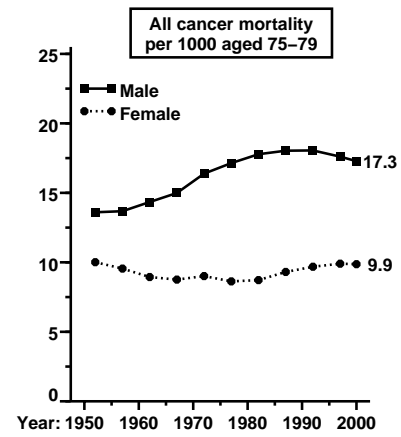
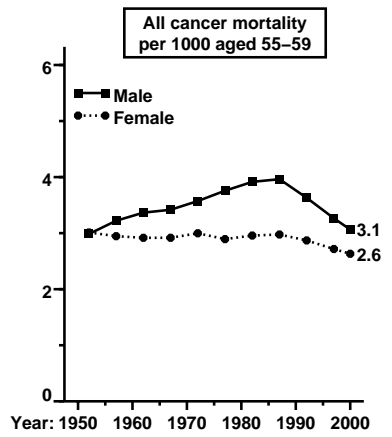
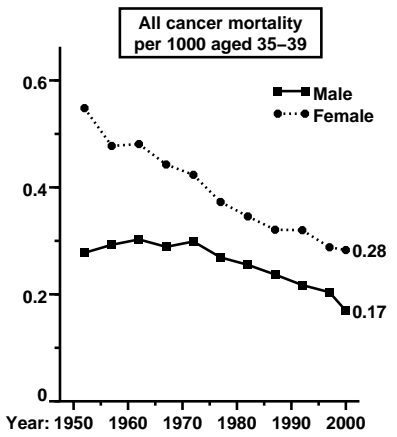
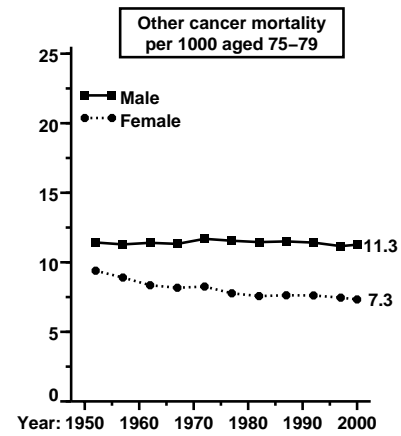
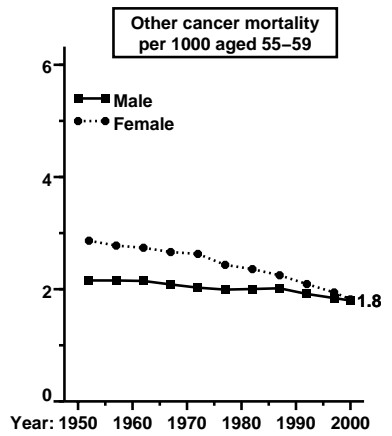
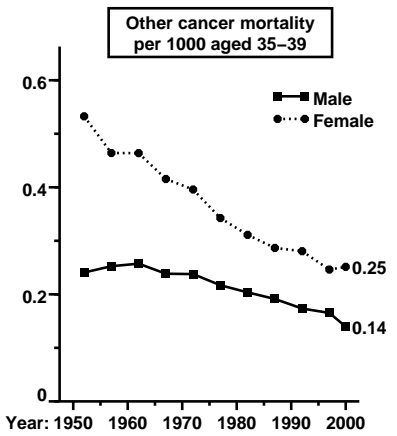
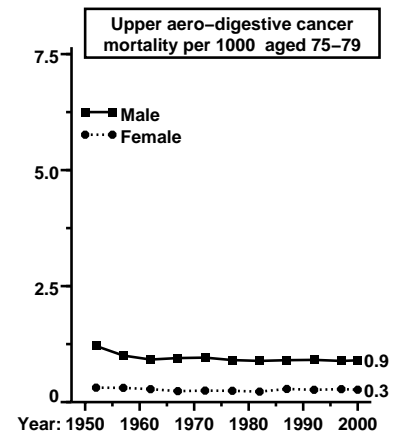
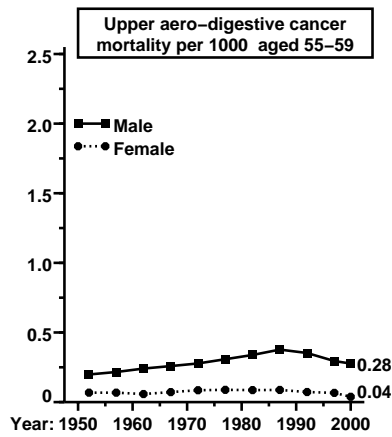
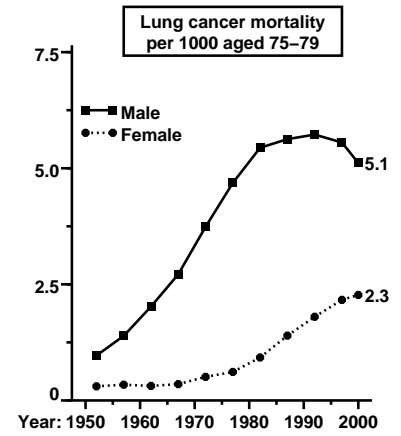
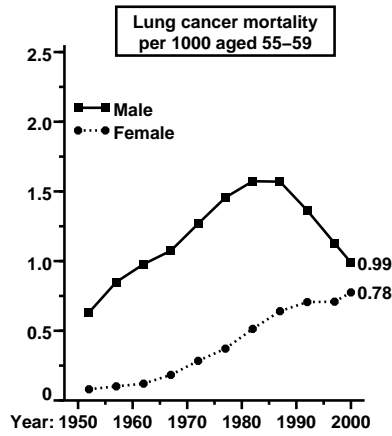
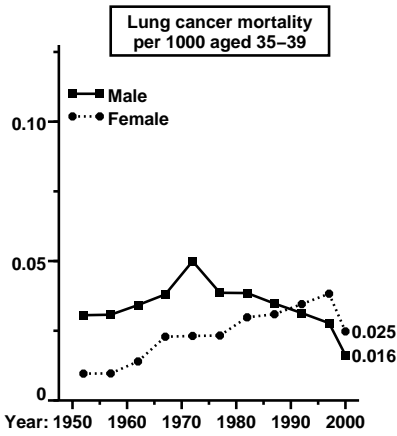
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950	-	0.10	0.49	2.13	0.55	10.5	-	0.11	0.00	2.61	0.00	8.68				
1955	-	0.11	0.69	2.03	1.37	10.7	-	0.11	0.01	2.46	0.00	8.39				
1960	-	0.12	0.84	1.90	2.21	10.5	-	0.10	0.00	2.47	0.00	8.25				
1965	-	0.11	1.10	1.82	2.97	9.82	-	0.09	0.05	2.35	0.02	7.90				
1970	-	0.10	1.32	1.83	4.26	9.99	-	0.09	0.10	2.29	0.11	7.65				
1975	-	0.09	1.44	1.71	5.27	9.29	-	0.07	0.21	2.10	0.25	7.53				
1980	-	0.08	1.67	1.71	6.16	9.10	-	0.07	0.32	2.02	0.70	7.06				
1985	-	0.07	1.70	1.68	6.51	9.15	-	0.07	0.48	1.94	1.21	7.13				
1990	-	0.06	1.68	1.68	6.86	8.86	-	0.05	0.53	1.85	1.61	6.83				
1995	-	0.05	1.42	1.69	6.60	9.05	-	0.05	0.57	1.71	1.98	6.67				
2000	-	0.05	1.17	1.62	5.98	9.05	-	0.05	0.60	1.59	2.32	6.40				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**CANADA: 1950-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

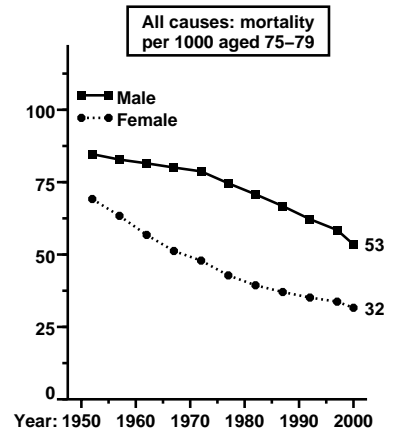
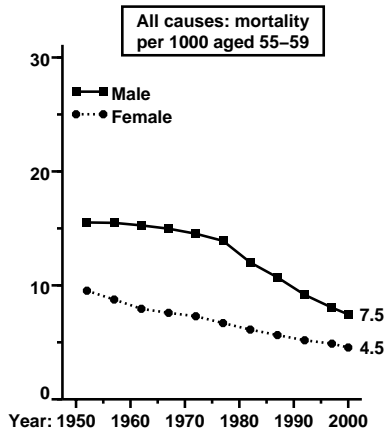
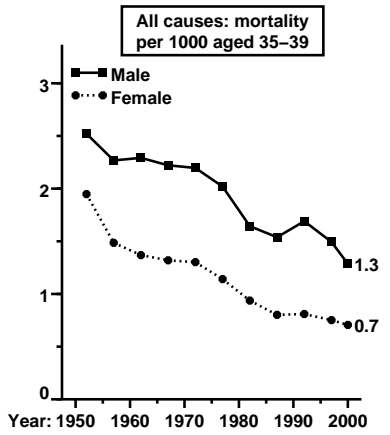
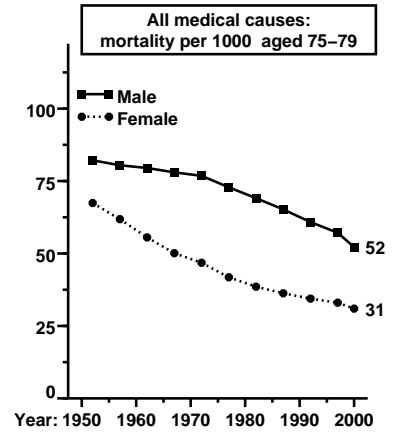
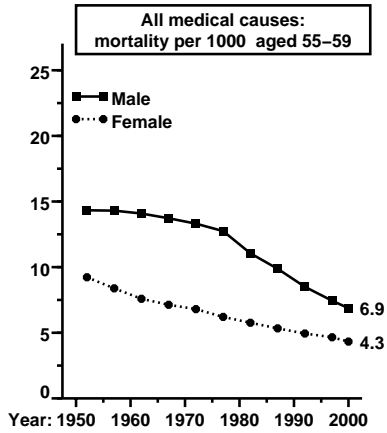
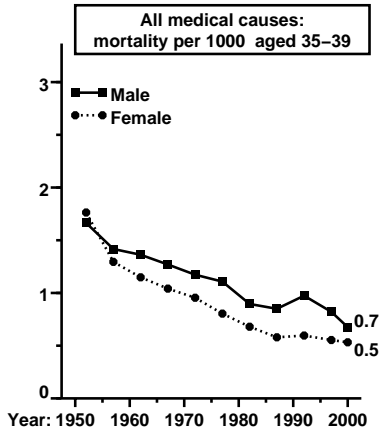
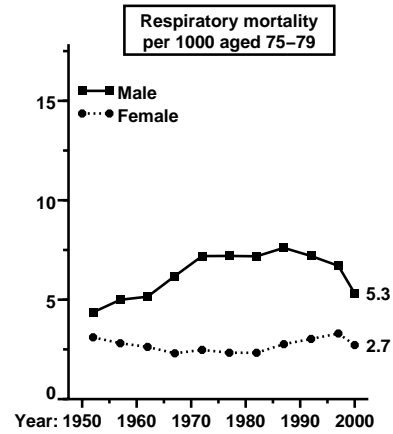
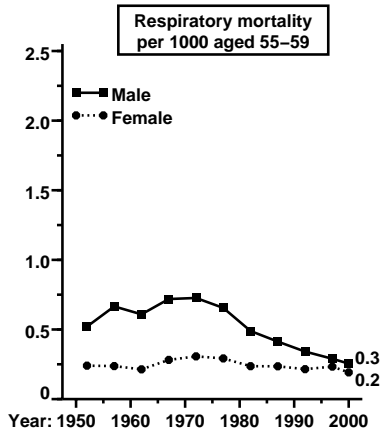
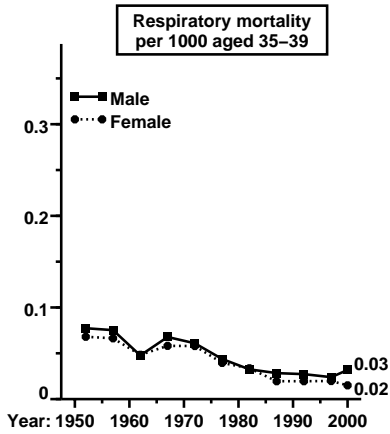
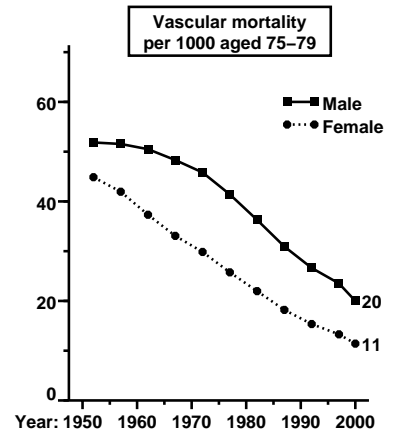
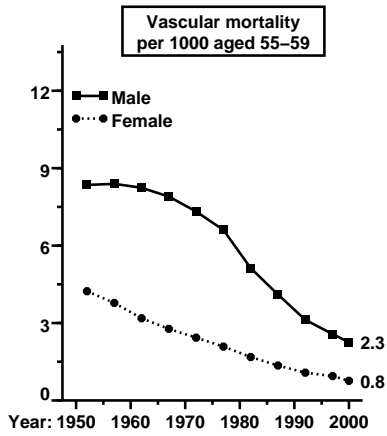
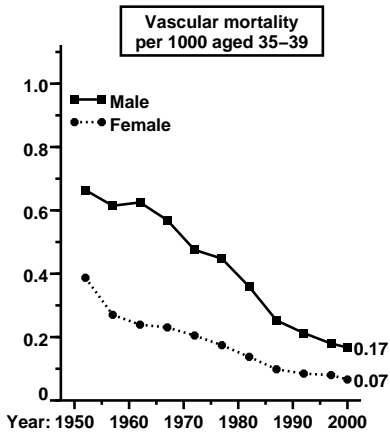


\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately



1950-2000: CANADA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

**CENTRAL ASIA (8 countries\*): 2000**

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
<b>ALL CAUSES</b>	M	311507	61921	154649	1774.1	277.0	2163.0	716.2	65.9	60.1	125.4	232.2	323.7	415.3
	F	282327	38045	92429	1174.3	167.3	1167.7	586.8	48.6	40.4	65.5	113.3	140.5	176.0
<b>Tuberculosis</b>	M	10143	3288	6355	40.6	17.2	65.9	1.1	0.4	0.6	2.8	20.7	40.5	54.6
	F	3396	1323	1755	11.6	6.5	16.6	1.3	0.7	0.4	3.1	9.1	15.4	15.8
<b>HIV</b>	M	179	82	97	0.6	0.4	0.7	0.1	-	-	0.1	0.3	1.0	1.7
	F	16	12	4	0.0	0.1	0.0	0.1	-	-	-	-	0.1	0.2
<b>Other infective and parasitic</b>	M	4699	3783	736	13.3	15.4	8.3	82.3	3.5	2.9	3.5	5.7	4.4	5.5
	F	3827	3091	508	10.2	13.1	5.2	69.4	3.4	2.1	2.5	5.3	4.7	4.3
<b>ALL CANCER</b>	M	31741	2114	21065	183.0	9.6	314.9	5.6	5.2	5.8	7.9	9.7	13.8	19.3
	F	27989	1956	16875	119.1	9.3	200.8	4.5	4.0	3.6	5.7	8.0	14.7	24.4
<b>Mouth and pharynx cancer</b>	M	1106	52	804	6.4	0.3	11.8	0.1	-	0.1	0.2	0.4	0.5	0.6
	F	419	21	231	1.8	0.1	2.6	0.1	0.1	0.0	0.1	0.0	0.1	0.3
<b>Oesophagus cancer</b>	M	2350	20	1522	14.7	0.1	24.1	0.0	0.0	0.0	-	0.1	0.3	0.3
	F	1816	29	955	8.0	0.1	12.6	0.0	-	-	0.0	0.3	0.4	0.3
<b>Stomach cancer</b>	M	5348	124	3578	31.9	0.6	53.9	0.1	-	-	0.2	0.8	1.4	2.1
	F	3506	111	1944	15.1	0.6	24.3	0.0	0.1	0.0	0.1	0.2	1.2	2.4
<b>Colorectal cancer</b>	M	1853	72	1176	11.3	0.4	18.1	0.0	-	0.1	0.1	0.4	0.5	1.5
	F	2157	79	1267	9.3	0.4	15.6	0.0	-	-	0.1	0.4	1.2	1.2
<b>Liver cancer</b>	M	1689	35	1088	10.3	0.2	17.2	0.1	0.0	0.1	0.1	0.1	0.3	0.3
	F	869	22	416	3.8	0.1	5.6	0.1	0.0	0.0	0.0	0.1	0.1	0.3
<b>Pancreas cancer</b>	M	1605	14	1012	10.2	0.1	15.5	-	-	-	-	0.0	0.1	0.4
	F	1519	9	676	6.8	0.0	9.0	-	-	-	-	0.1	0.1	0.2
<b>Larynx cancer</b>	M	993	14	736	5.8	0.1	11.1	-	-	-	0.1	0.1	0.0	0.3
	F	172	16	99	0.7	0.1	1.2	0.0	-	0.0	0.1	0.1	0.2	0.2
<b>Lung cancer</b>	M	7530	104	5573	44.1	0.5	85.2	0.0	0.0	0.1	0.2	0.6	1.1	1.6
	F	2011	74	1179	8.8	0.4	14.7	0.1	-	0.0	0.1	0.3	0.5	1.7
<b>Malignant melanoma</b>	M	428	28	272	2.6	0.1	3.6	-	-	-	0.1	0.1	0.3	0.6
	F	405	25	203	1.7	0.1	2.3	-	-	-	0.1	0.2	0.2	0.4
<b>Female breast cancer</b>	F	4684	144	3398	20.5	0.8	38.2	0.0	-	0.0	0.0	0.3	1.0	4.0
<b>Cervix cancer</b>	F	1657	95	1115	6.9	0.5	12.0	-	-	0.0	-	0.2	0.9	2.5
<b>Other uterine cancer</b>	F	1424	64	941	6.1	0.3	10.9	-	-	-	0.0	0.3	1.0	1.0
<b>Ovarian cancer</b>	F	1592	47	974	7.0	0.2	12.0	-	0.0	0.1	0.2	0.2	0.4	0.7
<b>Prostate cancer</b>	M	999	9	448	6.9	0.0	7.5	0.0	-	-	-	0.1	0.1	0.1
<b>Bladder cancer</b>	M	1397	19	745	9.4	0.1	11.7	0.3	-	-	0.1	0.0	0.1	0.1
	F	522	9	239	2.3	0.0	3.1	0.1	-	-	0.1	-	0.0	0.2
<b>Other and ill-defined cancer sites</b>	M	4055	696	2899	19.5	3.2	39.8	1.7	1.3	1.6	2.9	3.5	5.2	6.2
	F	3340	536	2312	13.5	2.4	26.7	1.4	1.2	1.6	2.0	2.7	3.9	4.3
<b>Hodgkin's disease</b>	M	177	45	101	0.9	0.2	1.3	-	0.0	0.1	0.2	0.3	0.5	0.4
	F	133	34	63	0.5	0.2	0.7	-	-	0.0	0.1	0.3	0.4	0.3
<b>Myeloma and non-Hodgkin lymphomas</b>	M	1017	257	636	4.7	1.1	8.3	0.7	0.7	1.0	1.0	1.1	1.1	2.4
	F	728	192	397	2.7	0.9	4.4	0.4	0.6	0.4	0.8	1.2	1.0	1.8
<b>Leukaemia</b>	M	1194	625	475	4.3	2.6	6.0	2.7	3.0	2.8	2.7	2.1	2.2	2.4
	F	1035	449	466	3.4	1.9	4.9	2.3	2.1	1.2	2.0	1.3	2.0	2.6
<b>Diabetes</b>	M	4099	209	2817	23.9	1.0	42.8	0.0	0.1	0.3	0.7	1.2	2.0	2.8
	F	5900	255	3259	25.6	1.2	44.5	0.1	0.2	0.7	1.1	1.7	2.2	2.3
<b>ALL VASCULAR DISEASE</b>	M	146342	4257	75182	1013.0	21.7	1142.3	9.0	2.3	2.7	8.1	19.0	38.4	72.4
	F	167001	2498	47895	742.8	12.2	649.3	8.2	2.2	2.2	5.0	12.1	21.8	33.7
<b>Rheumatic heart disease and fever</b>	M	1589	410	1050	6.9	2.1	11.8	0.2	0.2	0.4	1.4	1.7	4.3	6.2
	F	2020	411	1358	7.9	2.0	14.2	0.1	0.2	0.4	1.2	2.2	4.6	5.5
<b>Hypertensive disease</b>	M	10431	193	6077	69.6	1.0	94.9	0.8	0.2	0.2	0.3	0.8	1.6	2.8
	F	12708	189	5554	56.8	0.9	75.0	0.9	0.2	0.1	0.2	0.7	1.6	2.8
<b>Ischaemic heart disease</b>	M	83824	1351	42269	593.1	7.4	646.5	0.1	0.1	0.0	1.3	4.0	12.6	33.7
	F	88095	458	21888	393.7	2.4	304.4	-	0.1	0.0	0.6	2.0	4.3	9.8
<b>Pulmonary embolism and other venous</b>	M	694	53	381	4.4	0.3	5.4	0.0	0.0	0.0	0.1	0.4	0.5	0.8
	F	984	60	359	4.2	0.3	4.3	0.0	-	0.1	0.2	0.5	0.5	0.9
<b>Cerebrovascular disease</b>	M	34119	505	17107	241.2	2.6	269.1	0.4	0.1	0.2	1.0	2.0	5.3	9.3
	F	47901	300	14150	214.0	1.5	193.1	0.4	0.1	0.1	0.4	1.7	2.8	5.1
<b>Other vascular disease</b>	M	15685	1745	8298	97.9	8.4	114.8	7.5	1.7	1.8	4.1	10.1	14.0	19.6
	F	15293	1080	4586	66.1	5.0	58.4	6.7	1.7	1.5	2.4	5.1	8.0	9.6
<b>Chronic obstructive pulmonary disease</b>	M	11410	493	5668	76.1	2.4	90.2	2.0	0.4	0.6	1.2	2.1	4.5	6.0
	F	8590	359	2902	37.6	1.7	39.0	1.5	0.3	0.4	1.2	2.3	2.8	3.4
<b>Other respiratory disease</b>	M	19453	12824	4255	70.9	51.6	58.4	301.4	13.2	7.8	7.7	8.0	11.1	12.2
	F	15638	10585	2336	46.4	44.2	27.9	262.4	12.7	6.7	4.9	7.9	7.8	7.3
<b>Peptic ulcer</b>	M	1942	189	1346	10.5	1.0	17.7	0.1	0.1	0.0	0.6	1.3	2.0	2.6
	F	729	79	360	3.0	0.4	4.4	0.1	0.0	0.1	0.2	0.6	0.8	0.8
<b>Liver cirrhosis (incl. some other digestive)</b>	M	10694	1300	7342	56.6	6.2	98.5	1.2	1.0	2.2	6.3	8.0	9.8	14.9
	F	8774	861	4882	37.3	4.1	59.7	0.7	0.9	1.3	2.9	6.2	6.6	10.4
<b>Renal disease</b>	M	4592	1237	2438	22.7	5.8	30.7	3.0	2.0	1.9	4.8	7.3	9.9	11.8
	F	3926	1062	2029	14.7	5.0	22.1	3.1	1.5	2.1	2.5	7.2	8.0	10.6
<b>Pregnancy, birth</b>	F	536	407	127	1.4	2.0	0.7	-	-	0.0	1.2	4.1	3.8	5.0
<b>Congenital and perinatal causes</b>	M	7472	7395	61	16.9	29.5	0.7	199.3	1.7	1.0	1.3	1.0	1.2	1.1
	F	5232	5149	66	12.3	21.5	0.6	145.1	1.4	1.1	0.5	1.2	0.5	0.6
<b>Ill-defined causes</b>	M	9121	1889	3639	61.3	8.8	43.8	12.2	1.9	2.1	4.4	10.0	14.2	17.0
	F	9959	901	1247	43.7	4.0	14.6	10.2	1.5	1.7	1.9	3.1	4.3	5.2
<b>Other medical causes</b>	M	10794	4468	5027	44.6	19.5	59.5	38.9	9.8	9.0	14.0	17.1	21.9	25.7
	F	8553	3584	3360	28.8	15.8	34.8	33.4	8.2	7.2	10.5	15.2	16.7	19.2
<b>ALL NON-MEDICAL CAUSES</b>	M	38826	18393	18621	140.3	86.7	188.5	59.9	24.2	23.0	62.0	120.9	148.8	167.7
	F	12261	5923	4824	39.7	26.3	47.5	46.6	11.8	10.9	22.4	29.2	30.2	32.7
<b>Road traffic accidents</b>	M	5619	2600	2770	19.6	12.3	26.7	3.2	6.6	4.4	6.4	16.3	22.3	27.3
	F	1584	662	700	5.3	2.9	7.1	2.2	2.7	1.7	2.5	3.6	3.1	4.7
<b>Fire</b>	M	1095	565	451	4.0	2.5	5.0	6.3	0.9	0.4	1.4	2.1	3.1	3.4
	F	871	504	256	2.6	2.3	2.4	3.9	0.7	0.9	1.8	2.4	2.7	3.4
<b>Suicide</b>	M	7049	3142	3607	25.7	15.3	36.4	-	0.0	3.7	15.6	25.4	32.1	30.0
	F	1764	881	687	5.6	4.1	6.5	-	0.0	1.0	7.0	8.5		

## 2000: CENTRAL ASIA (8 countries)

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
507.0	729.3	1053.1	1713.8	2323.0	3474.0	5340.6	7168.6	10332.9	20128.2	M	ALL CAUSES	001-999/A00-Y89
211.8	307.2	445.6	806.2	1179.9	1918.0	3305.3	4946.2	8147.9	17610.6	F		
54.7	61.4	69.2	72.6	73.2	68.9	61.6	52.8	41.3	68.0	M	Tuberculosis	010-018, 137/A15-A19, B90
14.7	16.3	13.7	17.8	17.8	16.0	19.8	19.0	15.8	21.0	F		
1.6	1.3	1.0	0.7	0.3	0.1	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.1	0.0	-	-	-	-	-	-	-	-	F		
5.5	6.3	7.1	7.1	8.4	10.6	13.1	15.5	15.3	36.9	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
3.4	3.7	4.0	4.5	5.6	6.6	8.9	9.0	12.7	22.9	F		
32.2	63.7	122.6	247.9	376.0	576.8	784.9	892.6	994.4	803.8	M	ALL CANCER	140-208/C00-C97
43.6	73.5	116.4	189.7	230.8	328.1	423.8	511.1	630.7	486.9	F		
0.7	2.8	5.5	12.0	15.8	21.2	24.5	26.4	28.3	23.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.6	1.4	1.8	2.2	2.6	4.5	5.6	7.3	11.3	13.1	F		
0.9	2.7	7.6	14.5	28.6	45.9	68.2	79.8	100.1	83.5	M	Oesophagus cancer	150/C15
1.1	1.8	4.0	7.9	14.6	24.3	34.1	41.1	57.5	54.7	F		
4.7	10.9	21.7	37.5	64.5	97.9	139.8	175.9	172.9	163.9	M	Stomach cancer	151/C16
3.7	6.6	10.2	15.9	25.3	45.2	63.4	79.8	100.6	78.8	F		
1.8	2.8	6.5	11.9	18.9	31.7	53.2	57.4	79.7	64.8	M	Colorectal cancer	153, 154/C18-C21
2.8	4.4	8.2	13.2	16.0	25.5	39.3	47.7	58.6	35.3	F		
1.1	2.3	5.7	10.6	18.8	29.2	52.7	59.0	60.7	60.2	M	Liver cancer	155.0/C22 excl C221
0.3	1.0	1.8	3.1	6.0	8.6	18.6	21.1	29.3	29.1	F		
1.1	2.6	5.6	10.5	18.8	29.4	40.1	52.1	67.7	84.8	M	Pancreas cancer	157/C25
0.5	1.2	3.2	5.6	11.4	16.7	24.2	37.9	48.6	71.2	F		
0.9	1.9	3.0	9.5	13.8	23.5	25.5	28.5	20.4	22.0	M	Larynx cancer	161/C32
0.2	0.4	0.7	0.4	1.4	2.2	3.3	3.2	4.2	2.6	F		
4.2	12.5	30.6	72.0	100.3	166.8	209.9	211.2	213.7	108.2	M	Lung cancer	162/C33, C34
2.7	3.6	7.0	12.1	17.2	23.8	36.6	41.8	56.9	36.3	F		
1.1	1.5	2.2	3.5	4.7	5.1	7.2	9.8	12.5	28.5	M	Malignant melanoma	172/C43
0.7	1.0	1.4	2.4	2.6	3.7	4.5	6.6	11.3	17.0	F		
9.2	19.3	30.7	47.7	48.2	55.4	56.9	63.8	78.6	60.6	F	Female breast cancer	174/C50
4.9	7.6	10.4	12.1	11.8	15.1	21.8	26.2	31.3	20.8	F	Cervix cancer	180/C53
2.6	4.8	6.7	11.8	12.5	17.2	21.0	25.2	26.0	21.7	F	Other uterine cancer	179, 182/C54, C55
1.6	3.5	7.0	10.6	15.9	20.2	24.9	29.6	34.9	39.6	F	Ovarian cancer	183/C56, C570-C574
0.3	0.4	0.9	2.6	6.7	15.5	25.8	47.2	68.6	77.7	M	Prostate cancer	185/C61
0.6	1.5	3.1	7.7	12.1	24.2	32.4	53.5	76.0	103.0	M	Bladder cancer	188/C67
0.3	0.4	1.0	2.6	2.3	7.2	7.6	11.0	16.7	25.5	F		
8.9	13.8	20.9	40.8	55.8	64.2	74.0	66.6	62.1	...	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
7.9	10.6	15.3	31.4	32.3	43.3	46.1	52.2	42.0	...	F		
0.6	0.4	1.0	0.9	1.3	2.4	2.5	2.6	4.2	4.5	M	Hodgkin's disease	201/C81
0.4	0.3	0.3	0.7	0.6	1.6	0.8	1.7	2.7	2.4	F		
2.5	4.2	5.0	8.1	10.2	12.0	16.2	12.4	15.8	11.7	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C90, C96
1.5	2.4	3.3	4.8	4.4	7.1	7.0	7.4	11.5	6.0	F	Leukaemia	204-208/C91-C95
2.7	3.5	3.4	5.9	5.5	7.7	13.0	10.2	11.6	6.5	M		
2.7	3.1	3.3	5.1	5.7	6.5	8.2	7.6	8.7	4.1	F		
4.1	7.2	15.6	31.7	51.4	78.7	110.8	114.5	114.0	105.6	M	Diabetes	250/E10-E14
2.4	4.0	10.4	23.5	44.8	84.5	141.7	157.3	148.8	95.3	F		
117.0	236.0	424.4	779.5	1192.5	1942.7	3304.4	4778.6	7373.2	15082.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
47.0	88.1	158.7	353.9	605.2	1121.1	2171.2	3537.3	6231.4	14072.1	F		
6.8	8.9	11.9	12.9	16.3	13.2	12.5	14.5	10.7	14.2	M	Rheumatic heart disease and fever	390-398/I00-I09
6.8	10.3	12.5	14.9	20.1	17.0	17.4	11.6	16.0	19.6	F		
5.8	14.8	31.9	66.0	109.9	161.2	274.3	332.1	471.5	788.9	M	Hypertensive disease	401-405/I10-I15
4.1	10.0	22.9	48.8	86.0	124.5	228.5	279.0	421.3	652.3	F		
59.9	129.1	236.8	426.2	661.8	1100.9	1910.4	2814.6	4427.9	9281.7	M	Ischaemic heart disease	410-414/I20-I25
15.3	28.9	52.4	136.3	257.9	538.6	1101.2	1898.1	3476.8	8166.7	F		
1.2	1.9	2.7	3.6	5.4	8.6	14.3	18.6	30.1	56.3	M	Pulmonary embolism and other venous	415.1, 451-453/I26, I80-I82
1.0	1.8	2.4	2.9	4.4	6.5	10.9	17.6	30.0	67.6	F		
15.8	39.3	80.6	175.2	276.2	482.8	813.6	1204.9	1840.1	3595.2	M	Cerebrovascular disease	430-438/I60-I69
7.9	22.5	47.4	112.6	178.1	346.7	636.3	1061.8	1797.0	3932.7	F		
27.5	41.9	60.5	95.5	123.0	176.0	279.2	393.9	593.0	1346.5	M	Other vascular disease	Rest of 390-459/rest of I00-I99
11.9	14.6	21.0	38.2	58.7	87.7	176.9	269.2	490.3	1233.3	F		
8.2	12.8	19.6	46.6	83.3	163.4	297.7	432.5	595.7	943.0	M	Chronic obstructive pulmonary disease	490-496/J40-J47, J67
4.2	5.9	10.5	20.4	41.4	62.6	128.3	186.5	304.9	571.9	F		
16.9	19.9	31.5	45.8	65.7	90.3	138.6	180.0	256.8	502.6	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
9.0	12.2	11.8	16.3	28.1	40.5	77.2	88.3	145.7	315.7	F		
4.8	8.6	11.1	16.3	23.1	26.2	33.7	38.5	50.1	49.2	M	Peptic ulcer	531-533/K25-K27
1.1	1.0	2.4	3.4	4.8	7.6	10.3	15.9	15.8	20.5	F		
24.8	38.8	60.6	94.9	113.1	155.8	201.5	206.2	221.1	245.5	M	Liver cirrhosis (incl. some other digestive)	571/K70, K74
12.3	20.1	26.7	51.9	74.5	95.8	136.6	146.2	181.2	236.6	F		
11.8	17.9	19.2	32.7	33.8	40.6	59.4	72.8	113.1	162.6	M	Renal disease	580-590/N00-N19
10.6	12.8	14.3	22.6	22.8	29.3	42.4	39.3	54.0	62.8	F		
3.0	1.6	0.3	0.3	-	-	-	-	-	0.5	F	Pregnancy, birth	630-676/A34,000-099
0.4	0.6	0.7	0.5	0.8	0.7	1.0	1.2	2.8	1.9	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.8	0.6	0.6	0.7	0.6	0.4	0.2	0.5	0.9	2.1	F	Ill-defined causes	780-799/R00-R99
20.8	25.1	35.9	45.1	49.3	61.7	68.8	120.0	249.4	1527.8	M		
5.2	5.8	7.4	14.3	17.4	19.7	32.7	88.9	234.5	1435.3	F		
31.2	40.5	46.4	62.1	61.2	72.8	101.9	110.9	145.1	222.2	M	Other medical causes	Rest of 001-799/rest of A00-R99
21.0	23.6	26.2	33.2	33.8	47.9	57.7	77.5	92.2	130.1	F		
173.1	189.1	188.4	230.3	190.9	184.8	163.1	152.6	160.4	376.3	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
33.4	38.2	42.2	53.8	52.5	57.8	54.5	69.6	79.5	136.8	F		
29.7	31.2	26.4	28.6	24.4	23.0	23.4	25.7	24.1	31.1	M	Road traffic accidents	E810-E819, E826-E829/part of V01-V99, Y850
4.2	5.7	5.4	7.9	8.2	9.9	8.2	13.6	12.2	12.7	F		
3.2	3.6	4.9	5.4	5.8	7.0	5.0	7.2	7.4	13.6	M	Fire	E890-E899/X00-X09
1.9	2.6	1.9	1.7	2.6	3.7	2.7	4.5	5.8	11.2	F		
33.2	37.7	35.4	47.4	37.5	34.7	29.0	30.4	20.9	51.2	M	Suicide	E950-E959/X60-X84
6.2	5.2	5.5	7.7	5.8	8.0	6.9	8.1	12.7	17.0	F		
21.9	22.7	20.4	21.8	16.4	15.9	16.5	13.5	19.9	46.0	M	Homicide	E960-E969/X85-X99, Y00-Y09
4.8	5.5	6.1	7.5	7.7	8.2	8.9	8.2	11.1	11.9	F		
2570	2212	1658	1028	761	1050	679	580	216	154	M	POPULATION	
2736	2343	1812	1138	862	1258	844	837	450	419	F	(1000s; UN, 2004 revision)	

## CENTRAL ASIA (8 countries): 1995, 2000

See note on page 127

## Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	87184	2253	126	139	1988	501	24770	4285	1109	32177	22089
35-69	Sm.	45430	10699	6214	2336	2149	5326	1542	21082	-	6781	-
	Total	170767	24282	6789	3938	13555	7359	5678	81302	7608	23391	21147
		(27%)	(44%)	(92%)	(59%)	(16%)	(72%)	(27%)	(26%)		(29%)	
70+	Sm.	7762	1763	1047	413	303	2382	143	3079	-	395	-
	Total	83544	6384	1285	1076	4023	4637	2989	58578	1494	7892	1570
		(9%)	(28%)	(81%)	(38%)	(8%)	(51%)	(5%)	(5%)		(5%)	
Any age	Sm.	53192	12462	7261	2749	2452	7708	1685	24161	-	7176	-
	Total	341495	32919	8200	5153	19566	12497	33437	144165	10211	63460	44806
		(16%)	(38%)	(89%)	(53%)	(13%)	(62%)	(5%)	(17%)		(11%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	61921	2114	104	86	1924	493	12824	4257	1300	22540	18393
35-69	Sm.	35148	8304	5007	1638	1659	3740	966	16702	-	5436	-
	Total	154649	21065	5573	3062	12430	5668	4255	75182	7342	22516	18621
		(23%)	(39%)	(90%)	(53%)	(13%)	(66%)	(23%)	(22%)		(24%)	
70+	Sm.	9624	2384	1511	480	393	2651	121	3992	-	476	-
	Total	94937	8562	1853	1301	5408	5249	2374	66903	2052	7985	1812
		(10%)	(28%)	(82%)	(37%)	(7%)	(51%)	(5%)	(6%)		(6%)	
Any age	Sm.	44772	10688	6518	2118	2052	6391	1087	20694	-	5912	-
	Total	311507	31741	7530	4449	19762	11410	19453	146342	10694	53041	38826
		(14%)	(34%)	(87%)	(48%)	(10%)	(56%)	(6%)	(14%)		(11%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	34013	24133	9203	2390	1827	1177	899	1259	863	789	333	157	187
2000	34935	24028	9957	2570	2212	1658	1028	761	1050	679	580	216	154
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	341495	87184	170767	13931	15593	16064	16163	33452	33563	42001	25463	17558	40523
2000	311507	61921	154649	13028	16128	17459	17620	17678	36484	36252	41571	22288	31078
<b>Lung cancer</b>													
1995	8200	126	6789	150	304	499	705	1775	1608	1748	770	303	212
2000	7530	104	5573	109	277	507	740	763	1752	1425	1225	461	167
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1957.5*	348.8*	2352.7*	582.9	853.7	1365.4	1798.1	2657.5	3889.6	5322.0	7642.0	11197.7	21670.1
2000	1774.1*	277.0*	2163.0*	507.0	729.3	1053.1	1713.8	2323.0	3474.0	5340.6	7168.6	10332.9	20128.2
<b>All cancer</b>													
1995	200.7*	10.3*	349.4*	39.9	78.5	161.4	266.7	454.8	641.4	803.2	973.3	961.7	873.3
2000	183.0*	9.6*	314.9*	32.2	63.7	122.6	247.9	376.0	576.8	784.9	892.6	994.4	803.8
<b>Lung cancer</b>													
1995	50.1*	0.6*	98.9*	6.3	16.6	42.4	78.4	141.0	186.3	221.5	231.1	193.2	113.4
2000	44.1*	0.5*	85.2*	4.2	12.5	30.6	72.0	100.3	166.8	209.9	211.2	213.7	108.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	32.8*	0.7*	57.4*	4.9	9.5	23.3	47.7	78.2	110.3	128.0	149.8	163.3	171.7
2000	26.9*	0.4*	47.0*	2.6	7.3	16.1	36.0	58.2	90.6	118.1	134.7	148.8	128.9
<b>Other cancer</b>													
1995	117.8*	9.0*	193.1*	28.8	52.3	95.7	140.5	235.6	344.8	453.8	592.4	605.2	588.2
2000	111.9*	8.7*	182.7*	25.4	43.9	75.9	140.0	217.5	319.4	456.8	546.6	631.9	566.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	89.6*	2.4*	111.0*	9.6	17.1	33.1	60.4	114.8	216.0	326.3	465.5	720.0	1046.5
2000	76.1*	2.4*	90.2*	8.2	12.8	19.6	46.6	83.3	163.4	297.7	432.5	595.7	943.0
<b>Other respiratory disease</b>													
1995	108.6*	85.5*	77.8*	19.2	30.1	50.8	63.3	84.4	128.4	168.7	239.8	375.0	856.7
2000	70.9*	51.6*	58.4*	16.9	19.9	31.5	45.8	65.7	90.3	138.6	180.0	256.8	502.6
<b>Vascular disease</b>													
1995	1066.5*	21.1*	1189.2*	138.0	270.9	533.2	788.3	1297.0	2124.8	3172.1	4940.6	7838.6	15949.2
2000	1013.0*	21.7*	1142.3*	117.0	236.0	424.4	779.5	1192.5	1942.7	3304.4	4778.6	7373.2	15082.9
<b>Liver cirrhosis and some other digestive</b>													
1995	58.1*	5.3*	103.1*	24.0	42.8	69.0	97.6	124.0	169.9	194.6	214.6	197.7	250.8
2000	56.6*	6.2*	98.5*	24.8	38.8	60.6	94.9	113.1	155.8	201.5	206.2	221.1	245.5
<b>Other medical causes</b>													
1995	266.2*	122.6*	291.3*	144.4	182.3	243.2	271.3	334.6	391.0	472.0	642.9	915.2	2307.5
2000	234.3*	98.7*	270.1*	134.9	169.0	206.0	268.7	301.4	360.2	450.4	526.1	731.1	2174.2
<b>All non-medical causes</b>													
1995	167.8*	101.6*	230.8*	207.8	232.0	274.7	250.5	247.8	218.0	185.1	165.4	189.4	386.1
2000	140.3*	86.7*	188.5*	173.1	189.1	188.4	230.3	190.9	184.8	163.1	152.6	160.4	376.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: CENTRAL ASIA (8 countries)

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	58218	2255	92	105	2058	469	20305	3047	788	23959	7395
35-69	Sm.	4653	851	489	267	95	859	87	2288	-	568	-
	Total	101366 (5%)	17514 (5%)	1228 (40%)	1745 (15%)	14541 (1%)	3587 (24%)	2762 (3%)	53082 (4%)	4996	13709 (4%)	5716
70+	Sm.	3076	466	224	198	44	1071	34	1357	-	148	-
	Total	146981 (2%)	7863 (6%)	605 (37%)	1165 (17%)	6093 (1%)	5441 (20%)	3616 (1%)	112319 (1%)	2533	13796 (1%)	1413
Any age	Sm.	7729	1317	713	465	139	1930	121	3645	-	716	-
	Total	306565 (3%)	27632 (5%)	1925 (37%)	3015 (15%)	22692 (1%)	9497 (20%)	26683 (0%)	168448 (2%)	8317	51464 (1%)	14524
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	38045	1956	74	66	1816	359	10585	2498	861	15863	5923
35-69	Sm.	3906	715	468	147	100	654	68	1931	-	538	-
	Total	92429 (4%)	16875 (4%)	1179 (40%)	1285 (11%)	14411 (1%)	2902 (23%)	2336 (3%)	47895 (4%)	4882	12715 (4%)	4824
70+	Sm.	3731	520	304	161	55	1090	25	1846	-	250	-
	Total	151853 (2%)	9158 (6%)	758 (40%)	1056 (15%)	7344 (1%)	5329 (20%)	2717 (1%)	116608 (2%)	3031	13496 (2%)	1514
Any age	Sm.	7637	1235	772	308	155	1744	93	3777	-	788	-
	Total	282327 (3%)	27989 (4%)	2011 (38%)	2407 (13%)	23571 (1%)	8590 (20%)	15638 (1%)	167001 (2%)	8774	42074 (2%)	12261

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	35374	23841	10097	2485	1933	1256	967	1412	999	1046	626	368	442
2000	36380	23681	10992	2736	2343	1812	1138	862	1258	844	837	450	419
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	306565	58218	101366	6055	6701	7252	8201	18645	21280	33232	31913	30134	84934
2000	282327	38045	92429	5795	7198	8073	9177	10165	24121	27900	41410	36690	73753
<b>Lung cancer</b>													
1995	1925	92	1228	60	58	78	103	259	276	394	277	158	170
2000	2011	74	1179	73	85	127	138	148	299	309	350	256	152
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1275.5*	227.2*	1235.0*	243.7	346.8	577.5	847.9	1320.3	2130.1	3178.6	5101.2	8197.5	19202.8
2000	1174.3*	167.3*	1167.7*	211.8	307.2	445.6	806.2	1179.9	1918.0	3305.3	4946.2	8147.9	17610.6
<b>All cancer</b>													
1995	123.1*	10.4*	208.2*	46.4	77.4	129.9	175.9	256.4	332.9	438.5	545.4	544.6	553.7
2000	119.1*	9.3*	200.8*	43.6	73.5	116.4	189.7	230.8	328.1	423.8	511.1	630.7	486.9
<b>Lung cancer</b>													
1995	8.7*	0.5*	15.1*	2.4	3.0	6.2	10.6	18.3	27.6	37.7	44.3	43.0	38.4
2000	8.8*	0.4*	14.7*	2.7	3.6	7.0	12.1	17.2	23.8	36.6	41.8	56.9	36.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	13.8*	0.5*	21.5*	3.1	5.3	8.3	14.4	24.3	39.3	56.1	70.3	80.0	97.4
2000	10.5*	0.3*	16.4*	1.9	3.5	6.5	10.5	18.6	31.0	43.0	51.6	73.1	70.4
<b>Other cancer</b>													
1995	100.7*	9.5*	171.5*	41.0	69.1	115.4	150.8	213.8	266.0	344.7	430.8	421.7	417.8
2000	99.8*	8.6*	169.7*	39.1	66.3	102.9	167.0	195.0	273.3	344.2	417.7	500.8	380.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	43.1*	2.2*	45.0*	5.6	8.1	15.8	25.3	45.3	80.2	134.5	213.7	319.9	662.0
2000	37.6*	1.7*	39.0*	4.2	5.9	10.5	20.4	41.4	62.6	128.3	186.5	304.9	571.9
<b>Other respiratory disease</b>													
1995	69.4*	72.6*	32.3*	11.8	14.3	15.4	24.1	31.4	55.2	73.6	119.2	190.7	490.4
2000	46.4*	44.2*	27.9*	9.0	12.2	11.8	16.3	28.1	40.5	77.2	88.3	145.7	315.7
<b>Vascular disease</b>													
1995	779.7*	14.5*	674.1*	56.9	100.8	216.0	385.5	671.6	1250.5	2037.6	3563.9	6238.8	15168.2
2000	742.8*	12.2*	649.3*	47.0	88.1	158.7	353.9	605.2	1121.1	2171.2	3537.3	6231.4	14072.1
<b>Liver cirrhosis and some other digestive</b>													
1995	36.9*	3.7*	59.9*	13.3	20.0	31.3	52.8	73.7	105.5	122.3	148.2	155.9	233.6
2000	37.3*	4.1*	59.7*	12.3	20.1	26.7	51.9	74.5	95.8	136.6	146.2	181.2	236.6
<b>Other medical causes</b>													
1995	175.2*	92.7*	155.0*	70.4	78.4	105.6	120.0	173.6	238.3	298.9	432.5	653.2	1964.5
2000	151.4*	69.5*	143.5*	62.2	69.2	79.3	120.3	147.4	212.2	313.7	407.3	574.5	1790.6
<b>All non-medical causes</b>													
1995	48.1*	31.0*	60.5*	39.2	47.7	63.5	64.2	68.3	67.6	73.1	78.2	94.4	130.5
2000	39.7*	26.3*	47.5*	33.4	38.2	42.2	53.8	52.5	57.8	54.5	69.6	79.5	136.8

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

**CENTRAL ASIA (8 countries): 2000**

See note on page 127

**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 62	– / 38	–
35–69	35 / 155	3.9 / 92	19 years
70+	9.6 / 95	3.7 / 152	8 years
All ages	45 / 312	7.6 / 282	16 years

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

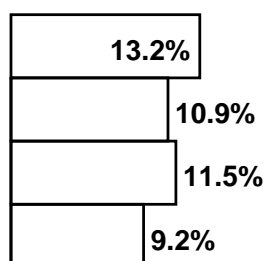
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	5.0/5.6	1.5/1.9	6.5/7.5	–/0.1	0.5/1.2	0.3/0.8	0.8/2.0
All Cancer	–/2.1	8.3/21 (39%)	2.4/8.6 (28%)	11/32	–/2.0	0.7/17 (4%)	0.5/9.2 (6%)	1.2/28
Vascular	–/4.3	17/75	4.0/67	21/146	–/2.5	1.9/48	1.8/117	3.8/167
Respiratory	–/13	4.7/9.9	2.8/7.6	7.5/31	–/11	0.7/5.2	1.1/8.0	1.8/24
All Other	–/42	5.4/48	0.5/12	5.9/103	–/23	0.5/22	0.3/18	0.8/63
All Causes	–/62	35/155 (23%)	9.6/95 (10%)	45/312	–/38	3.9/92 (4%)	3.7/152 (2%)	7.6/282

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	11 / 32 (34%)	1.2 / 28 (4%)	12 / 60 (20%)
All Causes	45 / 312 (14%)	7.6 / 282 (3%)	52 / 594 (9%)

1985-2000: CENTRAL ASIA (8 countries)

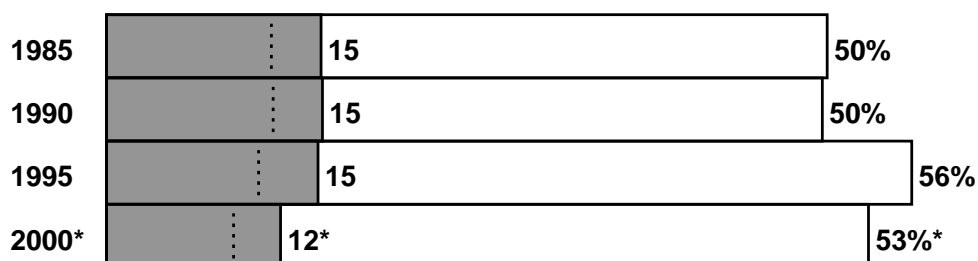
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

\*eg, at year 2000 male death rates, out of 100 men aged 35, 53 would die before age 70 (with 12 of these deaths attributed to smoking)

**MALE**

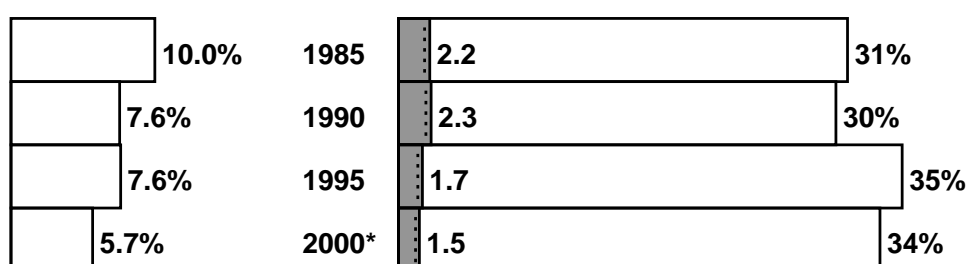


Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**Note: These 8 Central Asian countries are those in which the mortality rates in recent years are thought to need correction for under-registration of deaths: Armenia, Azerbaijan, Georgia, Kazakhstan, Kyrgyzstan, Tajikistan, Turkmenistan and Uzbekistan.**

**If the substantial decrease during the 1990s in the mortality attributed to cancer in these 8 countries is partly artefactual, then the corresponding decrease in the mortality attributed to smoking (pages 124–131) will not be reliable.**

**FEMALE**



## CENTRAL ASIA (8 countries): 1980-2000

See note on page 127

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/101	34/105 <b>(32%)</b>	8.6/83 <b>(10%)</b>	43/290	-/77	5.0/73 <b>(7%)</b>	3.1/125 <b>(3%)</b>	8.1/275
1990	-/90	39/126 <b>(31%)</b>	8.9/75 <b>(12%)</b>	48/291	-/62	5.9/80 <b>(7%)</b>	3.9/125 <b>(3%)</b>	9.8/268
1995	-/87	45/171 <b>(27%)</b>	7.8/84 <b>(9%)</b>	53/341	-/58	4.7/101 <b>(5%)</b>	3.1/147 <b>(2%)</b>	7.7/307
2000	-/62	35/155 <b>(23%)</b>	9.6/95 <b>(10%)</b>	45/312	-/38	3.9/92 <b>(4%)</b>	3.7/152 <b>(2%)</b>	7.6/282

20-year total\* (thousands), mid-1980 to mid-2000: 1117 / 12134

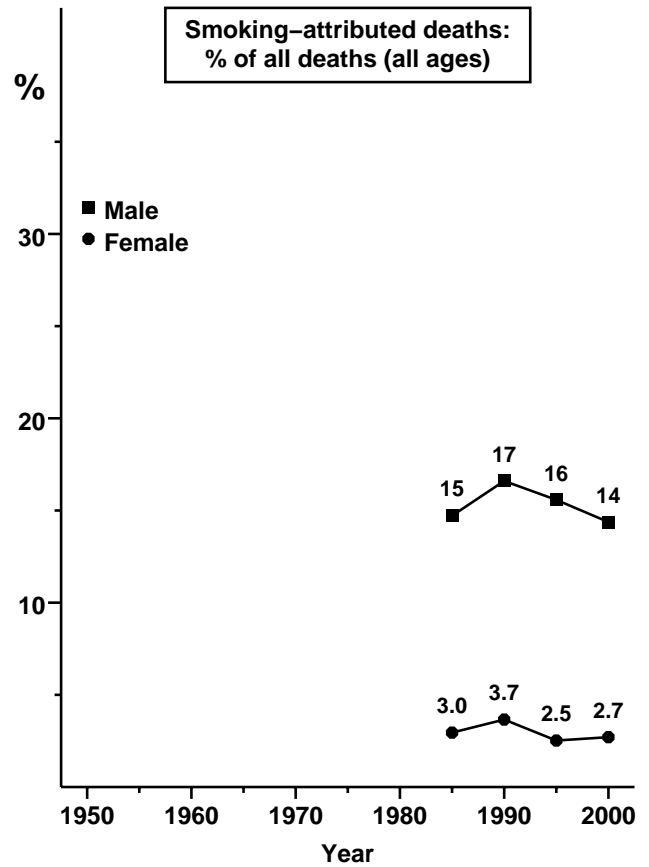
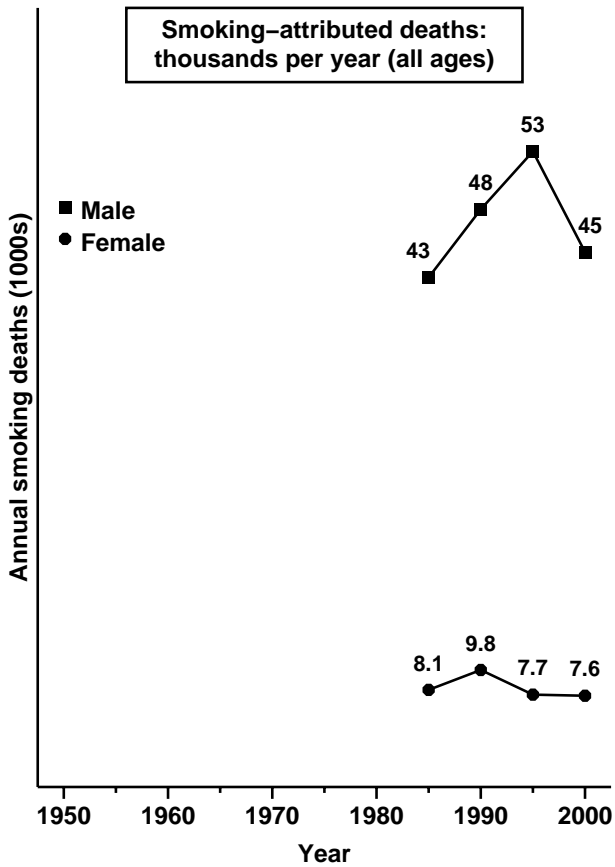
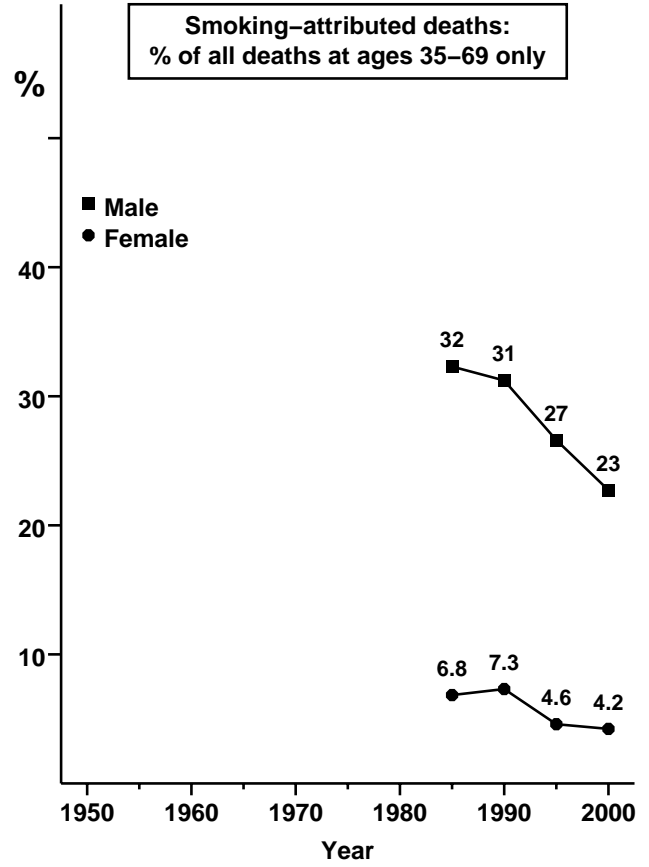
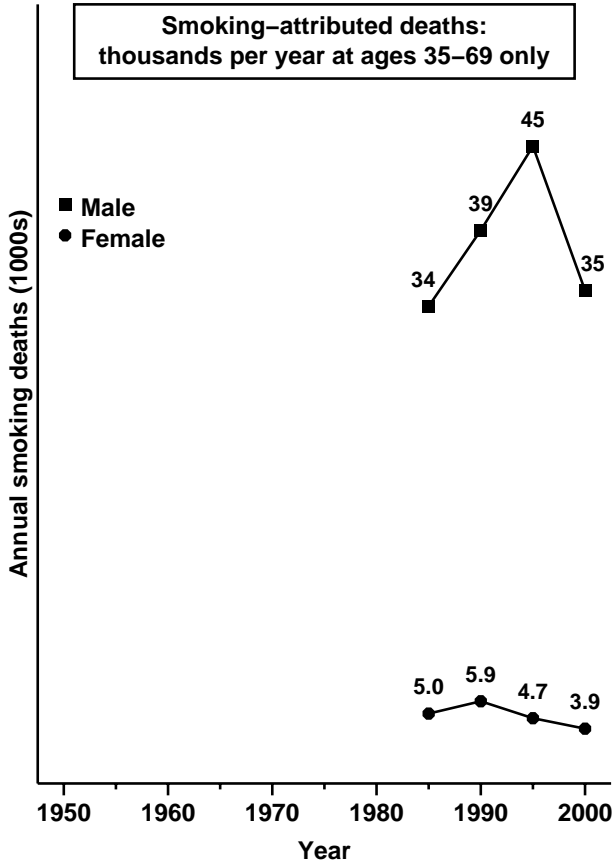
1980-2000 by age &amp; sex:

-/1886	795/2761 <b>(29%)</b>	164/1667 <b>(10%)</b>	958/6313	-/1355	96/1741 <b>(6%)</b>	62/2724 <b>(2%)</b>	159/5820
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\*Estimated as 10 times the sum of the annual numbers for 1985 &amp; 1995



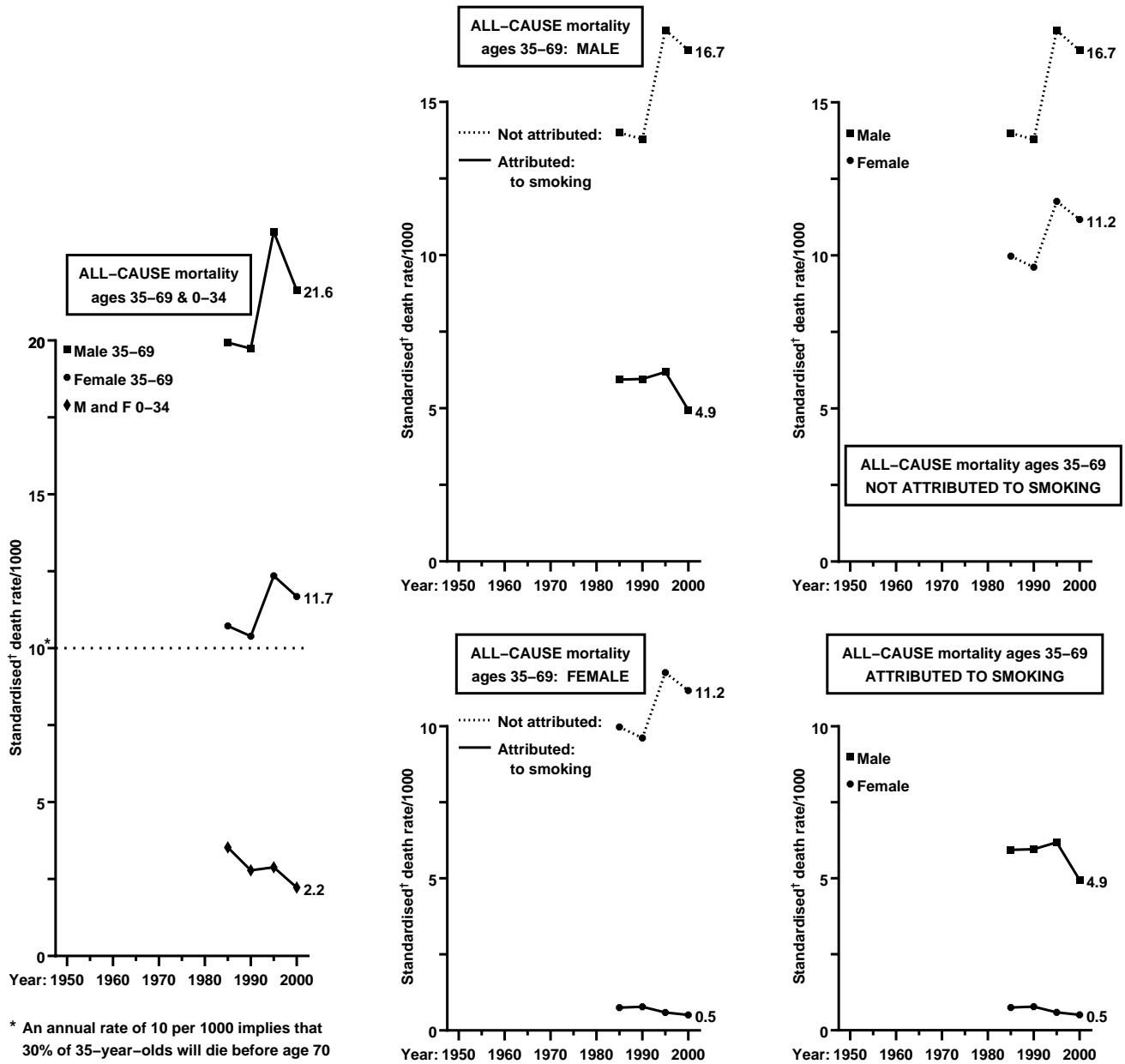
1985-2000: CENTRAL ASIA (8 countries)



**CENTRAL ASIA (8 countries): 1985-2000**

See note on page 127

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



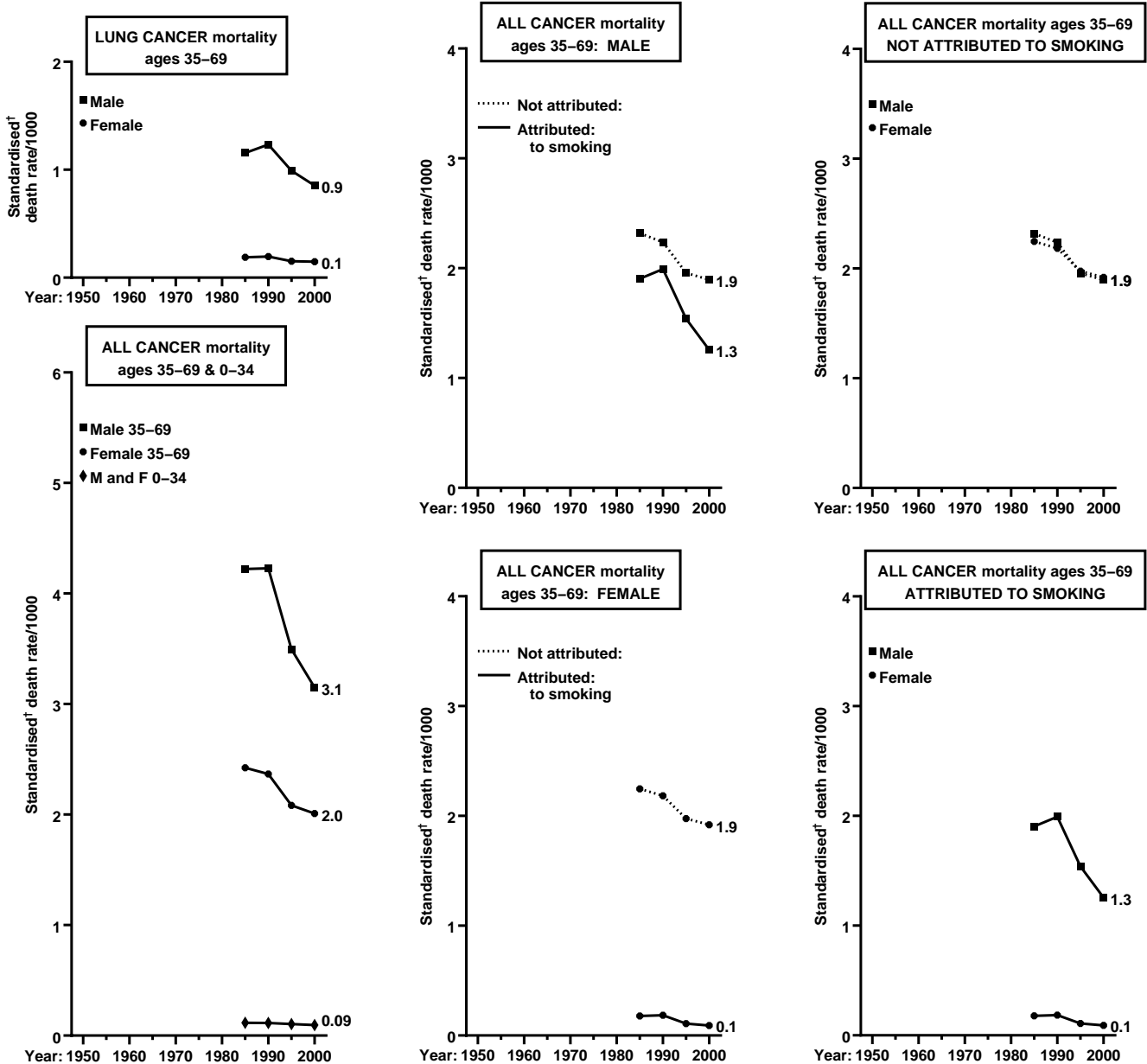
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	
1965	...	...	...	...	...	...	...	...	...	...	...	
1970	...	...	...	...	...	...	...	...	...	...	...	
1975	...	...	...	...	...	...	...	...	...	...	...	
1980	...	...	...	...	...	...	...	...	...	...	...	
1985	-	4.03	5.93	14.0	11.1	76.5	-	3.02	0.75	9.97	1.99	56.7
1990	-	3.31	5.95	13.8	12.2	71.2	-	2.25	0.77	9.61	2.33	54.5
1995	-	3.49	6.18	17.3	10.4	83.8	-	2.27	0.59	11.8	1.76	64.7
2000	-	2.77	4.94	16.7	9.42	78.1	-	1.67	0.51	11.2	1.79	63.7

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: CENTRAL ASIA (8 countries)

ALL CANCER mortality rates attributed and not attributed to smoking



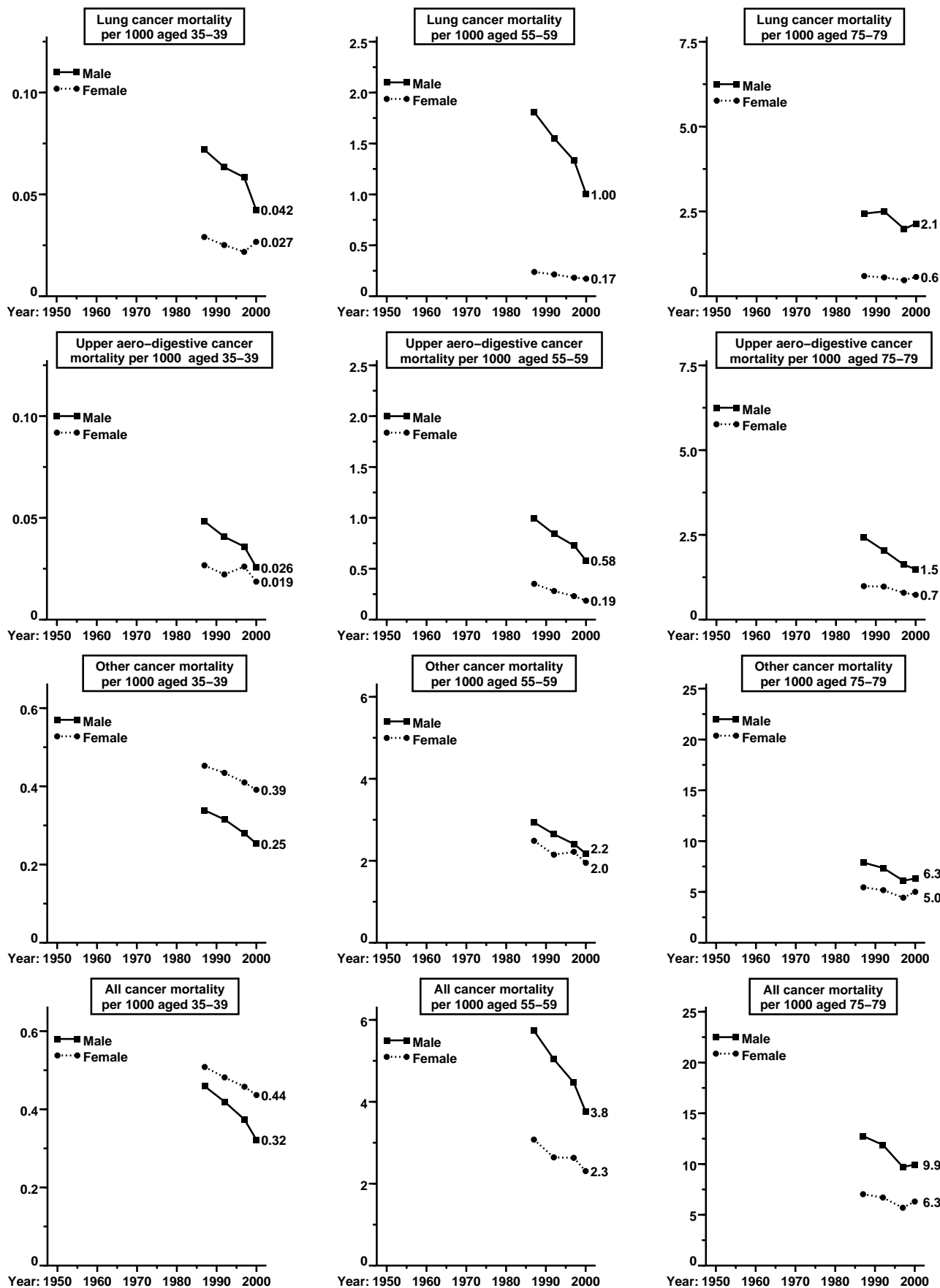
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	
1985	-	0.12	1.90	2.32	3.62	8.59	-	0.11	0.18	2.25	0.44	6.10		
1990	-	0.12	1.99	2.24	4.13	8.34	-	0.11	0.18	2.18	0.54	6.28		
1995	-	0.10	1.54	1.96	2.77	6.91	-	0.10	0.11	1.97	0.32	5.13		
2000	-	0.10	1.25	1.89	2.66	6.77	-	0.09	0.09	1.92	0.33	5.38		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**CENTRAL ASIA (8 countries): 1985-2000**

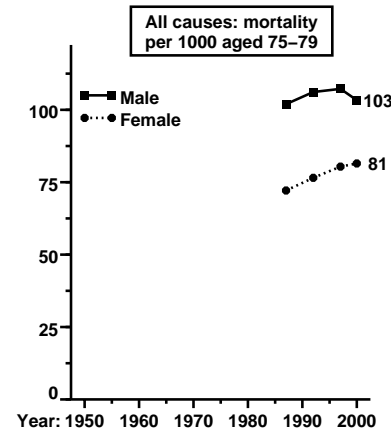
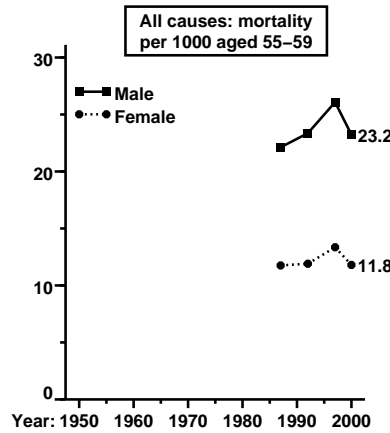
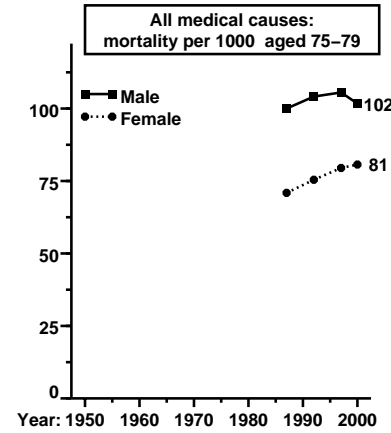
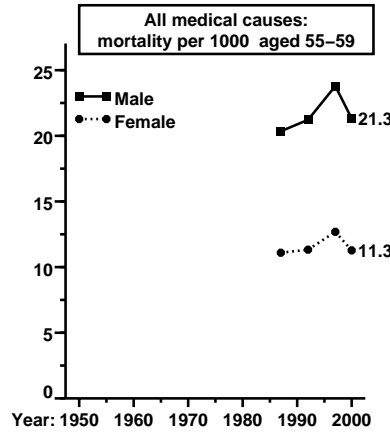
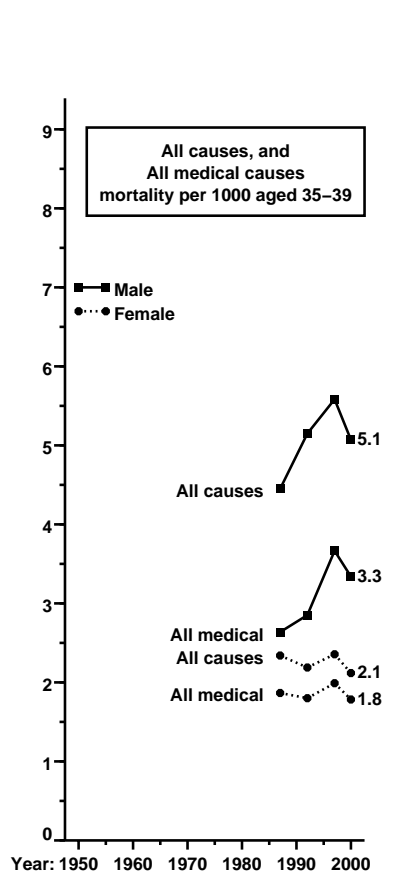
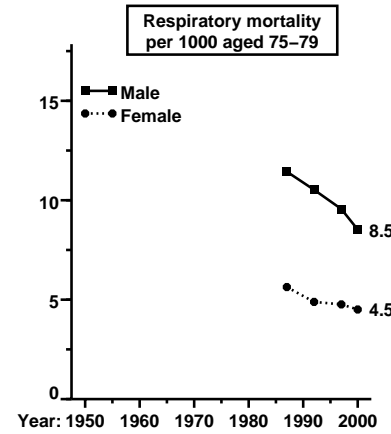
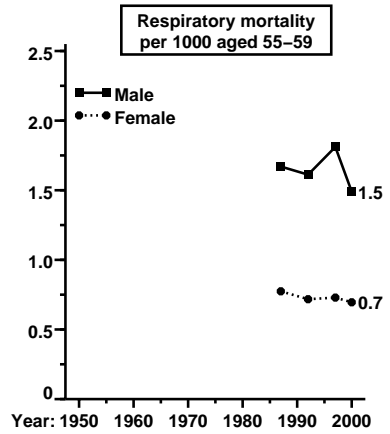
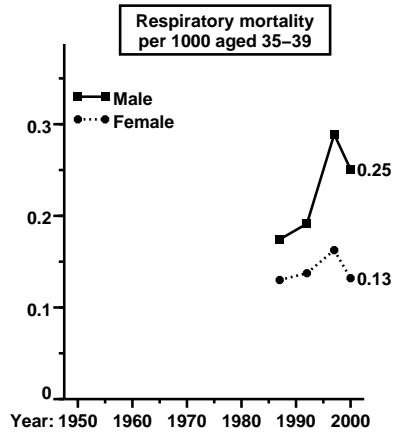
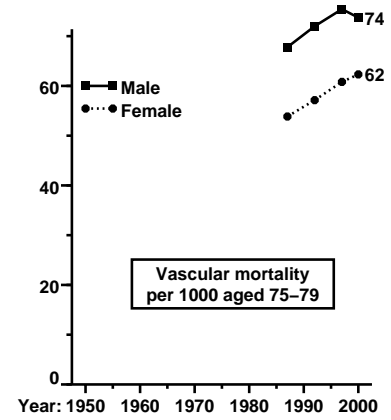
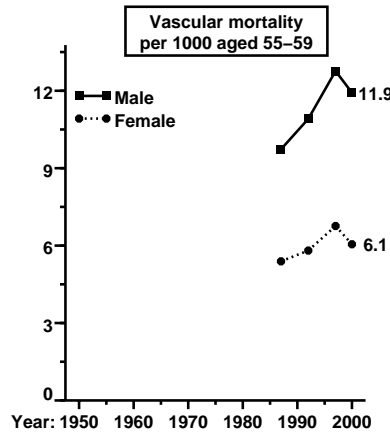
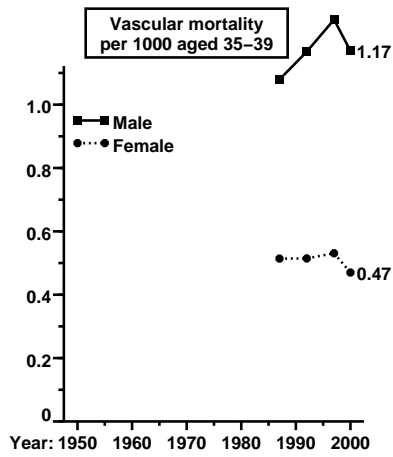
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; then year 2000 separately

1985-2000: CENTRAL ASIA (8 countries)

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; then year 2000 separately

## CROATIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	25477	973	11817	1181.3	96.4	1342.2	171.0	24.5	26.1	80.3	116.2	121.0	135.9
	F	24769	422	5852	720.7	45.9	568.9	152.2	12.8	13.2	22.5	29.4	42.6	48.4
Tuberculosis	M	123	3	80	5.5	0.3	8.4	-	-	-	-	-	1.3	0.7
	F	46	2	16	1.4	0.2	1.5	-	-	-	-	-	0.7	0.7
HIV	M	8	-	7	0.3	-	0.6	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	161	11	90	7.6	1.2	9.9	5.0	0.8	1.4	-	-	-	1.3
	F	180	4	60	5.3	0.5	5.8	2.6	-	-	-	-	-	0.7
ALL CANCER	M	6832	76	3936	298.7	7.3	451.5	1.7	4.6	4.9	6.3	5.7	15.3	12.6
	F	4851	68	2137	148.2	6.8	208.2	5.3	4.8	3.7	4.0	3.9	9.5	16.6
Mouth and pharynx cancer	M	345	2	268	15.1	0.2	29.5	-	-	-	-	-	-	1.3
	F	45	1	25	1.5	0.1	2.4	-	-	-	0.7	-	-	-
Oesophagus cancer	M	177	-	130	7.8	-	14.7	-	-	-	-	-	-	-
	F	36	-	15	1.1	-	1.5	-	-	-	-	-	-	-
Stomach cancer	M	610	4	337	27.2	0.4	39.5	-	-	-	-	0.6	-	2.0
	F	359	3	126	10.4	0.3	12.3	-	-	-	-	-	0.7	1.3
Colorectal cancer	M	841	-	414	37.1	-	48.3	-	-	-	-	-	-	-
	F	668	1	250	19.6	0.1	24.5	-	-	-	-	-	-	0.7
Liver cancer	M	206	2	122	8.9	0.2	14.1	-	-	-	1.3	-	-	-
	F	165	1	66	4.7	0.1	6.4	-	-	-	-	-	0.7	-
Pancreas cancer	M	264	-	152	11.8	-	17.4	-	-	-	-	-	-	-
	F	249	1	90	7.1	0.1	8.9	-	-	-	-	-	-	0.7
Larynx cancer	M	257	-	174	10.8	-	19.9	-	-	-	-	-	-	-
	F	21	-	7	0.6	-	0.7	-	-	-	-	-	-	-
Lung cancer	M	2000	5	1322	84.3	0.5	151.7	-	-	-	-	-	0.7	2.7
	F	478	2	263	15.0	0.2	25.6	-	0.8	-	-	-	-	0.7
Malignant melanoma	M	91	6	58	4.0	0.6	6.4	-	-	-	0.6	0.6	2.7	-
	F	65	3	35	2.1	0.3	3.3	-	-	-	0.7	-	0.7	0.7
Female breast cancer	F	843	5	442	27.1	0.5	43.3	-	-	-	-	-	1.4	2.0
Cervix cancer	F	91	4	52	3.1	0.4	4.9	-	-	-	-	-	2.0	0.7
Other uterine cancer	F	248	2	112	7.4	0.2	10.9	-	-	-	-	-	-	1.3
Ovarian cancer	F	267	5	149	8.5	0.5	14.3	-	-	-	0.7	0.7	-	2.0
Prostate cancer	M	466	-	124	22.3	-	15.1	-	-	-	-	-	-	-
Bladder cancer	M	223	-	79	10.2	-	9.4	-	-	-	-	-	-	-
	F	90	-	17	2.5	-	1.7	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	975	37	571	42.8	3.6	64.1	0.8	3.8	3.5	3.2	2.5	7.3	4.0
	F	906	26	353	27.5	2.8	34.5	5.3	3.2	2.9	1.3	2.6	2.0	2.0
Hodgkin's disease	M	16	1	10	0.7	0.1	1.1	-	-	-	-	-	0.7	-
	F	4	3	1	0.2	0.3	0.1	-	-	-	-	-	0.7	1.3
Myeloma and non-Hodgkin lymphomas	M	191	7	106	8.3	0.7	12.3	0.8	-	0.7	-	0.6	2.0	0.7
	F	165	2	68	5.0	0.2	6.6	-	-	-	-	0.7	0.7	-
Leukaemia	M	170	12	69	7.5	1.1	7.8	-	0.8	0.7	1.3	1.3	2.0	2.0
	F	151	9	66	4.8	0.9	6.5	-	0.8	0.7	0.7	-	0.7	3.3
Diabetes	M	400	3	182	17.6	0.3	21.7	-	-	-	-	-	1.3	0.7
	F	505	1	149	13.9	0.1	14.6	-	-	-	-	-	0.7	-
ALL VASCULAR DISEASE	M	11758	58	4531	561.1	5.5	526.9	0.8	0.8	1.4	4.4	5.0	9.3	16.6
	F	14954	34	2383	418.0	3.3	232.2	2.6	-	0.7	2.0	3.3	8.1	6.6
Rheumatic heart disease and fever	M	70	3	31	3.0	0.3	3.5	-	-	-	1.3	0.6	-	-
	F	107	-	33	2.8	-	3.1	-	-	-	-	-	-	-
Hypertensive disease	M	316	1	115	15.2	0.1	13.7	-	-	-	-	-	0.7	-
	F	621	-	106	17.1	-	10.3	-	-	-	-	-	-	-
Ischaemic heart disease	M	4557	13	2003	213.7	1.2	231.4	-	-	-	-	0.6	2.7	5.3
	F	4784	5	774	134.6	0.5	75.7	-	-	-	-	0.7	2.0	0.7
Pulmonary embolism and other venous	M	270	7	130	12.1	0.7	14.8	-	-	-	-	-	1.3	3.3
	F	374	1	108	10.6	0.1	10.6	-	-	-	-	-	0.7	-
Cerebrovascular disease	M	3548	8	1294	167.1	0.8	152.2	-	0.8	-	0.6	1.3	0.7	2.0
	F	4835	8	861	133.2	0.8	83.8	-	-	-	-	0.7	1.4	3.3
Other vascular disease	M	2997	26	958	149.9	2.5	111.2	0.8	-	1.4	2.5	2.5	4.0	6.0
	F	4233	20	501	119.7	2.0	48.7	2.6	-	0.7	2.0	2.0	4.1	2.7
Chronic obstructive pulmonary disease	M	660	5	198	31.3	0.5	23.6	-	-	0.7	-	-	2.0	0.7
	F	363	1	61	10.0	0.1	5.9	-	-	-	-	0.7	-	-
Other respiratory disease	M	528	14	200	25.7	1.5	23.2	5.0	-	-	1.3	1.3	0.7	2.0
	F	492	6	77	14.1	0.7	7.5	3.5	-	-	-	-	-	1.3
Peptic ulcer	M	140	2	70	6.5	0.2	7.8	-	-	-	-	-	0.7	0.7
	F	92	1	16	2.6	0.1	1.6	-	-	-	-	-	-	0.7
Liver cirrhosis	M	990	10	758	42.6	0.9	83.3	-	-	0.7	0.6	0.6	1.3	3.3
	F	436	5	288	14.4	0.5	28.1	-	-	-	-	-	-	3.3
Renal disease	M	231	4	87	11.1	0.4	9.9	-	-	-	0.6	-	-	2.0
	F	251	2	67	7.0	0.2	6.5	-	-	-	-	-	0.7	0.7
Pregnancy, birth	F	3	2	1	0.1	0.2	0.1	-	-	-	-	-	0.7	0.7
Congenital and perinatal causes	M	165	158	4	10.7	18.7	0.4	125.1	3.8	-	0.6	0.6	0.7	-
	F	144	139	4	9.9	17.4	0.4	118.7	1.6	0.7	-	-	0.7	-
Ill-defined causes	M	339	15	96	18.6	1.6	10.6	6.7	-	-	0.6	0.6	1.3	2.0
	F	501	17	32	15.3	2.0	3.1	10.6	0.8	-	0.7	0.7	-	1.3
Other medical causes	M	1105	65	521	51.4	6.3	56.9	6.7	-	2.1	4.4	10.1	7.3	13.3
	F	1083	26	274	31.5	2.6	26.4	1.8	-	2.2	2.0	4.6	4.7	2.7
ALL NON-MEDICAL CAUSES	M	2037	549	1057	92.6	51.9	107.6	20.0	14.5	14.8	61.4	92.3	79.8	80.2
	F	868	114	287	29.1	11.3	27.1	7.0	5.6	5.9	13.9	16.3	16.9	13.3
Road traffic accidents	M	444	206	192	19.8	19.2	18.8	4.2	4.6	4.9	25.3	44.6	24.6	26.5
	F	110	42	43	4.3	4.2	4.0	2.6	3.2	1.5	6.6	5.2	6.1	4.0
Fire	M	37	8	15	1.9	0.8	1.7	2.5	0.8	0.7	1.9	-	-	-
	F	27	2	7	0.8	0.2	0.7	-	-	-	0.7	0.7	-	-
Suicide	M	692	137	425	30.6	12.7	43.3	-	-	2.1	13.9	22.0	25.9	25.2
	F	234	21	133	8.1	2.0	12.6	-	-	-	2.0	3.9	5.4	2.7
Homicide	M	77	20	53	3.4	1.9	5.0	0.8	0.8	-	2.5	0.6	3.3	5.3
	F	36	9	23	1.5	0.9	2.1	0.9	-	0.7	1.3	-	2.0	1.3
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
					2169.6	1010.9	1004.2	119.9	130.7	141.7	158.1	159.2	150.4	150.9
					2335.9	977.6	1075.2	113.7	124.7	135.9	151.1	153.3	148.0	150.9

## 2000: CROATIA

## Annual death rates / 100,000

(zero denoted by -)

## 9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
202.0	332.4	606.5	870.1	1541.9	2217.5	3624.9	5296.2	8448.4	15764.9	M	ALL CAUSES	001-999/A00-Y89
75.0	140.4	234.8	334.2	622.7	916.4	1658.8	2898.4	5627.5	14639.5	F		
2.4	4.7	8.7	6.7	10.2	17.3	8.8	20.8	28.2	36.4	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	1.2	0.6	2.0	0.8	2.7	3.4	4.8	13.1	15.1	F		
0.6	1.2	1.2	0.7	-	-	0.9	1.2	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
1.8	7.0	4.1	7.4	15.8	15.8	17.7	23.3	35.2	86.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.6	3.5	1.8	3.3	5.8	9.4	16.2	23.2	50.1	61.8	F		
31.1	82.1	184.6	304.2	544.7	790.4	1223.3	1575.3	2061.0	2168.9	M	ALL CANCER	140-208/C00-C97
28.7	67.0	110.6	143.9	278.6	332.9	495.6	682.4	965.1	1368.0	F		
0.6	11.1	19.7	33.0	46.6	47.3	48.5	51.4	44.6	46.4	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.6	2.4	3.3	1.7	4.0	4.7	0.8	5.4	19.6	F		
1.2	3.5	8.1	12.8	24.2	19.7	33.5	28.2	25.8	43.0	M	Oesophagus cancer	150/C15
-	0.6	0.6	0.7	1.7	2.7	4.0	4.8	4.4	16.6	F		
3.1	4.1	11.6	19.5	53.1	69.3	115.6	133.4	187.8	264.9	M	Stomach cancer	151/C16
2.4	3.5	3.0	5.2	13.3	28.1	30.3	58.4	77.3	129.7	F		
0.6	6.4	12.8	32.3	60.5	83.5	142.1	237.5	309.9	334.4	M	Colorectal cancer	153, 154/C18-C21
3.1	6.4	10.1	17.0	33.2	42.1	59.3	97.6	163.4	218.7	F		
-	2.9	4.6	9.4	15.8	22.1	44.1	44.1	70.4	53.0	M	Liver cancer	155.0/C22 excl C221
1.2	1.7	3.0	1.3	5.8	12.0	19.6	24.0	44.7	40.7	F		
1.2	4.1	4.6	11.4	23.3	38.6	38.8	60.0	63.4	119.2	M	Pancreas cancer	157/C25
-	0.6	3.0	4.6	11.6	12.0	30.3	36.8	71.9	69.4	F		
0.6	3.5	9.9	13.5	26.1	33.1	53.0	57.5	65.7	26.5	M	Larynx cancer	161/C32
-	0.6	-	-	0.8	-	3.4	4.0	6.5	4.5	F		
7.9	21.5	71.4	89.5	172.3	283.7	415.7	455.3	493.0	301.3	M	Lung cancer	162/C33, C34
0.6	6.4	14.9	23.5	33.2	38.1	62.7	72.8	66.4	92.0	F		
0.6	1.7	4.1	6.7	7.4	10.2	14.1	14.7	23.5	16.6	M	Malignant melanoma	172/C43
-	2.9	3.0	2.0	3.3	2.7	9.4	4.0	12.0	16.6	F		
6.1	18.6	27.9	36.0	74.6	60.8	78.9	105.6	142.7	200.6	F	Female breast cancer	174/C50
0.6	2.9	7.7	4.6	5.0	7.4	6.1	8.8	10.9	21.1	F	Cervix cancer	180/C53
0.6	2.3	3.6	5.9	11.6	24.7	27.6	34.4	47.9	70.9	F	Other uterine cancer	179, 182/C54, C55
1.2	6.4	10.7	13.1	14.9	22.1	31.7	39.2	37.0	45.2	F	Ovarian cancer	183/C56, C570-C574
-	1.7	-	1.3	9.3	23.6	69.7	117.5	274.6	427.2	M	Prostate cancer	185/C61
0.6	-	1.2	3.4	8.4	20.5	31.8	63.6	119.7	135.8	M	Bladder cancer	188/C67
-	0.6	0.6	-	2.5	3.3	4.7	10.4	27.2	52.8	F		
11.0	18.6	27.3	57.9	73.6	104.0	156.2	211.8	253.5	284.8	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
8.5	8.7	14.3	17.0	48.1	54.1	91.0	134.4	183.0	288.1	F	Hodgkin's disease	201/C81
0.6	0.6	-	1.3	1.9	2.4	0.9	3.7	2.3	3.3	M		
-	-	-	-	-	0.7	-	-	-	-	F		
0.6	2.3	4.1	7.4	14.0	18.9	38.8	42.8	63.4	53.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
3.1	1.7	4.2	5.2	8.3	8.7	14.8	28.0	37.0	39.2	F	Leukaemia	204-208/C91-C95
2.4	-	5.2	4.7	8.4	13.4	20.3	53.9	63.4	59.6	M		
1.2	2.3	1.8	4.6	9.1	9.4	16.9	18.4	27.2	42.2	F		
0.6	2.3	5.8	7.4	27.9	30.7	76.8	110.2	183.1	155.6	M	Diabetes	250/E10-E14
-	1.7	0.6	3.3	12.4	29.4	54.6	83.2	136.2	190.0	F		
38.4	80.9	163.1	293.4	585.7	884.2	1642.5	2619.3	4697.2	10026.5	M	ALL VASCULAR DISEASE	390-459/I00-199
13.4	29.1	63.6	91.6	210.6	380.3	836.8	1652.8	3650.3	10739.1	F		
0.6	1.2	0.6	2.0	2.8	8.7	8.8	23.3	23.5	23.2	M	Rheumatic heart disease and fever	390-398/I00-I09
-	1.2	1.8	-	0.8	2.7	15.5	24.0	31.6	22.6	F		
1.2	-	1.2	7.4	22.3	26.0	38.0	74.7	133.8	271.5	M	Hypertensive disease	401-405/I10-I15
-	1.7	1.2	4.6	7.5	18.7	38.4	72.0	172.1	402.7	F		
17.1	38.4	81.3	153.4	271.9	372.7	684.9	1000.0	1669.0	3354.3	M	Ischaemic heart disease	410-414/I20-I25
6.7	5.8	18.4	30.1	75.5	128.3	265.0	492.8	1105.7	3580.7	F		
0.6	1.2	7.5	12.8	15.8	24.4	41.5	67.3	91.5	129.1	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.6	1.7	6.5	2.6	14.9	19.4	28.3	64.8	92.6	149.3	F		
6.7	21.5	37.7	61.9	166.7	269.5	501.3	883.7	1610.3	2774.8	M	Cerebrovascular disease	430-438/I60-I69
3.1	11.6	26.8	32.7	73.0	129.0	310.2	622.4	1355.1	2932.1	F		
12.2	18.6	34.8	55.9	106.1	182.8	368.0	570.4	1169.0	3473.5	M	Other vascular disease	Rest of 390-459/ rest of I00-199
3.1	7.0	8.9	21.6	39.0	82.2	179.4	376.8	893.2	3651.6	F	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	-	3.5	8.7	14.9	48.9	89.1	181.2	321.6	569.5	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
0.6	1.7	1.2	4.6	4.1	9.4	19.6	64.0	95.9	200.6	F		
1.2	3.5	6.4	15.5	24.2	42.6	68.8	105.3	190.1	486.8	M		
1.2	0.6	1.8	6.5	7.5	12.7	22.3	46.4	118.7	365.0	F		
1.2	1.2	5.2	6.1	10.2	14.2	16.8	33.0	35.2	86.1	M	Peptic ulcer	531-533/K25-K27
0.6	-	-	0.7	4.1	1.3	4.7	15.2	21.8	54.3	F		
11.0	30.3	55.1	82.1	109.9	142.6	151.8	148.1	154.9	115.9	M	Liver cirrhosis	571/K70, K74
4.9	5.2	14.9	27.5	36.5	52.1	55.3	56.0	52.3	37.7	F		
1.2	2.3	4.1	6.1	11.2	20.5	23.8	50.2	93.9	195.4	M	Renal disease	580-590/N00-N19
-	1.2	2.4	0.7	6.6	15.4	19.6	44.0	62.1	105.6	F		
-	-	0.6	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
3.7	5.8	4.6	7.4	12.1	15.0	25.6	33.0	65.7	572.8	M	Ill-defined causes	780-799/R00-R99
0.6	0.6	-	4.6	1.7	3.3	10.8	20.0	52.3	571.6	F		
20.7	22.7	40.6	40.4	60.5	82.0	131.5	210.5	333.3	678.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.3	11.1	13.1	18.3	26.5	30.7	77.5	135.2	272.3	549.0	F		
86.6	87.9	119.6	83.4	114.5	113.5	147.4	182.4	246.5	586.1	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
17.1	17.5	23.8	26.2	27.4	36.8	41.1	71.2	137.3	380.1	F	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
19.5	21.0	24.4	16.2	17.7	12.6	20.3	29.4	16.4	49.7	M	Fire	E890-E899/X00-X09
1.8	5.2	2.4	4.6	2.5	6.0	5.4	5.6	13.1	9.0	F	Suicide	E950-E959/X60-X84
0.6	0.6	0.6	1.3	2.8	1.6	4.4	3.7	4.7	29.8	M	Homicide	E960-E969/ X85-X99, Y00-Y09
-	-	0.6	0.7	-	2.7	0.7	0.8	4.4	19.6	F		
36.6	35.5	49.3	28.9	46.6	44.9	60.9	64.9	84.5	135.8	M		
5.5	8.2	11.9	13.7	14.9	15.4	18.9	24.0	31.6	31.7	F		
3.7	9.3	8.1	1.3	4.7	6.3	1.8	2.4	2.3	3.3	M		
3.7	0.6	3.0	1.3	2.5	2.7	1.3	1.6	1.1	1.5	F		
163.9	171.8	172.3	148.6	107.4	126.9	113.3	81.7	42.6	30.2	M	POPULATION (1000s; UN, 2004 revision)	
163.9	171.7	168.2	152.9	120.6	149.6	148.3	125.0	91.8	66.3	F		

## CROATIA: 2000

## Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	973	76	5	2	69	5	14	58	10	261	549
35-69	Sm.	4238	2060	1247	407	406	162	69	1538	-	409	-
	Total	11817 (36%)	3936 (52%)	1322 (94%)	572 (71%)	2042 (20%)	198 (82%)	200 (35%)	4531 (34%)	758	1137 (36%)	1057
70+	Sm.	2448	993	614	124	255	335	40	916	-	164	-
	Total	12687 (19%)	2820 (35%)	673 (91%)	205 (60%)	1942 (13%)	457 (73%)	314 (13%)	7169 (13%)	222	1274 (13%)	431
Any age	Sm.	6686	3053	1861	531	661	497	109	2454	-	573	-
	Total	25477 (26%)	6832 (45%)	2000 (93%)	779 (68%)	4053 (16%)	660 (75%)	528 (21%)	11758 (21%)	990	2672 (21%)	2037

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	2169.6	1010.9	1004.2	163.9	171.8	172.3	148.6	107.4	126.9	113.3	81.7	42.6	30.2
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	25477	973	11817	331	571	1045	1293	1656	2814	4107	4327	3599	4761
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	2000	5	1322	13	37	123	133	185	360	471	372	210	91
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	1181.3*	96.4*	1342.2*	202.0	332.4	606.5	870.1	1541.9	2217.5	3624.9	5296.2	8448.4	15764.9
<b>All cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	298.7*	7.3*	451.5*	31.1	82.1	184.6	304.2	544.7	790.4	1223.3	1575.3	2061.0	2168.9
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	84.3*	0.5*	151.7*	7.9	21.5	71.4	89.5	172.3	283.7	415.7	455.3	493.0	301.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	33.7*	0.2*	64.2*	2.4	18.0	37.7	59.2	96.8	100.1	135.0	137.1	136.2	115.9
<b>Other cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	180.8*	6.6*	235.6*	20.7	42.5	75.4	155.5	275.6	406.6	672.6	982.9	1431.9	1751.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	31.3*	0.5*	23.6*	-	-	3.5	8.7	14.9	48.9	89.1	181.2	321.6	569.5
<b>Other respiratory disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	25.7*	1.5*	23.2*	1.2	3.5	6.4	15.5	24.2	42.6	68.8	105.3	190.1	486.8
<b>Vascular disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	561.1*	5.5*	526.9*	38.4	80.9	163.1	293.4	585.7	884.2	1642.5	2619.3	4697.2	10026.5
<b>Liver cirrhosis</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	42.6*	0.9*	83.3*	11.0	30.3	55.1	82.1	109.9	142.6	151.8	148.1	154.9	115.9
<b>Other medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	129.3*	28.9*	126.2*	33.6	47.7	74.3	82.8	148.0	195.4	301.9	484.7	777.0	1811.3
<b>All non-medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	92.6*	51.9*	107.6*	86.6	87.9	119.6	83.4	114.5	113.5	147.4	182.4	246.5	586.1



## 2000: CROATIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	422	68	2	1	65	1	6	34	5	194	114
35-69	Sm.	580	213	170	15	28	31	7	259	-	70	-
	Total	5852 (10%)	2137 (10%)	263 (65%)	47 (32%)	1827 (2%)	61 (51%)	77 (9%)	2383 (11%)	288	619 (11%)	287
70+	Sm.	648	150	115	12	23	114	11	318	-	55	-
	Total	18495 (4%)	2646 (6%)	213 (54%)	54 (22%)	2379 (1%)	301 (38%)	409 (3%)	12537 (3%)	143	1992 (3%)	467
Any age	Sm.	1228	363	285	27	51	145	18	577	-	125	-
	Total	24769 (5%)	4851 (7%)	478 (60%)	102 (26%)	4271 (1%)	363 (40%)	492 (4%)	14954 (4%)	436	2805 (4%)	868

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	2335.9	977.6	1075.2	163.9	171.7	168.2	152.9	120.6	149.6	148.3	125.0	91.8	66.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	24769	422	5852	123	241	395	511	751	1371	2460	3623	5166	9706
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	478	2	263	1	11	25	36	40	57	93	91	61	61
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	720.7*	45.9*	568.9*	75.0	140.4	234.8	334.2	622.7	916.4	1658.8	2898.4	5627.5	14639.5
<b>All cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	148.2*	6.8*	208.2*	28.7	67.0	110.6	143.9	278.6	332.9	495.6	682.4	965.1	1368.0
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	15.0*	0.2*	25.6*	0.6	6.4	14.9	23.5	33.2	38.1	62.7	72.8	66.4	92.0
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	3.1*	0.1*	4.5*	-	1.7	3.0	3.9	4.1	6.7	12.1	9.6	16.3	40.7
<b>Other cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	130.0*	6.5*	178.0*	28.1	58.8	92.7	116.4	241.3	288.1	420.8	600.0	882.4	1235.3
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	10.0*	0.1*	5.9*	0.6	1.7	1.2	4.6	4.1	9.4	19.6	64.0	95.9	200.6
<b>Other respiratory disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	14.1*	0.7*	7.5*	1.2	0.6	1.8	6.5	7.5	12.7	22.3	46.4	118.7	365.0
<b>Vascular disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	418.0*	3.3*	232.2*	13.4	29.1	63.6	91.6	210.6	380.3	836.8	1652.8	3650.3	10739.1
<b>Liver cirrhosis</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	14.4*	0.5*	28.1*	4.9	5.2	14.9	27.5	36.5	52.1	55.3	56.0	52.3	37.7
<b>Other medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	86.9*	23.2*	60.0*	9.2	19.2	19.0	34.0	58.0	92.2	188.1	325.6	607.8	1549.0
<b>All non-medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	29.1*	11.3*	27.1*	17.1	17.5	23.8	26.2	27.4	36.8	41.1	71.2	137.3	380.1

## CROATIA: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.0	– / 0.4	–
35–69	4.2 / 12	0.6 / 5.9	20 years
70+	2.4 / 13	0.6 / 18	9 years
All ages	6.7 / 25	1.2 / 25	16 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

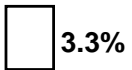
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.2/1.3	0.6/0.7	1.9/2.0	–/0.0	0.2/0.3	0.1/0.2	0.3/0.5
All Cancer	–/0.1	2.1/3.9 (52%)	1.0/2.8 (35%)	3.1/6.8	–/0.1	0.2/2.1 (10%)	0.2/2.6 (6%)	0.4/4.9
Vascular	–/0.1	1.5/4.5	0.9/7.2	2.5/12	–/0.0	0.3/2.4	0.3/13	0.6/15
Respiratory	–/0.0	0.2/0.4	0.4/0.8	0.6/1.2	–/0.0	0.0/0.1	0.1/0.7	0.2/0.9
All Other	–/0.8	0.4/3.0	0.2/1.9	0.6/5.7	–/0.3	0.1/1.2	0.1/2.6	0.1/4.1
All Causes	–/1.0	4.2/12 (36%)	2.4/13 (19%)	6.7/25	–/0.4	0.6/5.9 (10%)	0.6/18 (4%)	1.2/25

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	3.1 / 6.8 (45%)	0.4 / 4.9 (7%)	3.4 / 12 (29%)
All Causes	6.7 / 25 (26%)	1.2 / 25 (5%)	7.9 / 50 (16%)

2000: CROATIA

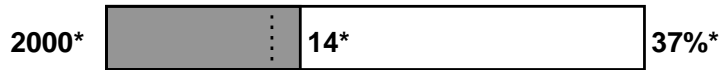
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

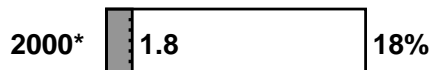
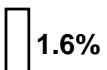
\*eg, at year 2000 male death rates, out of 100 men aged 35, 37 would die before age 70 (with 14 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## CZECH REPUBLIC: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	54882	1971	23232	1162.6	79.5	1282.2	117.6	20.9	22.0	68.6	101.9	100.5	124.9
	F	54119	830	11544	706.3	37.9	564.9	91.7	13.3	17.4	31.3	34.0	32.7	44.6
Tuberculosis	M	91	1	59	1.9	0.0	2.8	-	-	-	-	-	-	0.3
	F	34	1	8	0.4	0.0	0.4	-	-	-	-	-	0.2	-
HIV	M	1	1	-	0.0	0.0	-	-	-	-	-	-	-	0.3
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	58	7	26	1.2	0.3	1.3	1.3	-	-	0.3	0.2	0.2	0.3
	F	84	6	27	1.2	0.3	1.3	0.9	-	0.6	0.3	0.2	-	-
ALL CANCER	M	15878	185	8308	325.7	7.3	468.1	4.8	5.0	3.9	5.9	5.4	10.7	15.8
	F	12661	145	5202	178.7	6.1	249.8	5.9	2.4	5.4	3.5	5.9	7.5	11.9
Mouth and pharynx cancer	M	477	2	389	9.4	0.1	18.9	-	-	-	-	0.2	0.2	-
	F	113	-	55	1.6	-	2.6	-	-	-	-	-	-	-
Oesophagus cancer	M	343	2	244	6.8	0.1	12.3	-	-	-	-	-	0.2	0.3
	F	64	-	27	0.9	-	1.2	-	-	-	-	-	-	-
Stomach cancer	M	905	10	412	18.7	0.4	23.5	-	-	-	-	-	0.9	1.7
	F	660	7	216	9.0	0.3	10.4	-	-	-	-	0.2	-	1.8
Colorectal cancer	M	2517	9	1171	52.2	0.4	68.1	-	-	-	0.3	-	0.2	2.0
	F	1885	4	640	25.6	0.2	31.4	-	-	-	-	-	0.5	0.6
Liver cancer	M	525	2	296	10.8	0.1	16.7	0.4	-	-	-	0.2	-	-
	F	350	1	112	4.7	0.0	5.6	-	-	-	-	-	0.2	-
Pancreas cancer	M	777	4	445	15.7	0.2	24.9	-	-	-	-	0.2	-	0.9
	F	789	-	276	10.7	-	13.7	-	-	-	-	-	-	-
Larynx cancer	M	254	-	182	5.1	-	9.8	-	-	-	-	-	-	-
	F	23	-	9	0.3	-	0.4	-	-	-	-	-	-	-
Lung cancer	M	4480	6	2772	90.2	0.2	157.1	-	-	0.3	-	-	0.5	0.9
	F	1246	3	632	18.2	0.1	30.6	-	-	-	-	-	-	0.9
Malignant melanoma	M	171	4	100	3.5	0.1	5.3	-	-	-	-	0.2	0.5	0.3
	F	144	2	69	2.1	0.1	3.1	-	-	-	-	0.5	-	-
Female breast cancer	F	1939	5	929	28.0	0.2	43.3	-	-	-	-	-	-	1.5
Cervix cancer	F	363	10	235	5.8	0.4	10.5	-	-	-	-	-	1.2	1.5
Other uterine cancer	F	581	2	226	8.0	0.1	11.1	-	-	-	-	-	0.2	0.3
Ovarian cancer	F	729	7	381	10.8	0.3	17.9	-	-	-	0.3	0.2	0.2	1.2
Prostate cancer	M	1327	-	287	29.0	-	18.7	-	-	-	-	-	-	-
Bladder cancer	M	541	-	195	11.4	-	12.0	-	-	-	-	-	-	-
	F	207	-	54	2.7	-	2.6	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	2548	106	1334	52.1	4.3	73.5	3.5	3.6	2.1	3.7	2.9	6.0	8.0
	F	2665	59	1004	37.3	2.5	48.8	2.3	1.4	3.8	1.5	2.8	2.9	2.7
Hodgkin's disease	M	53	11	27	1.0	0.4	1.4	-	-	-	0.6	0.7	0.7	0.9
	F	48	8	21	0.8	0.3	1.0	0.5	-	0.3	-	0.5	0.2	0.9
Myeloma and non-Hodgkin lymphomas	M	455	7	229	9.3	0.2	13.2	-	-	0.3	-	0.2	0.9	0.3
	F	444	10	166	6.2	0.4	8.2	0.5	0.3	-	0.6	0.7	0.7	-
Leukaemia	M	505	22	225	10.5	0.9	12.8	0.9	1.3	1.2	1.4	0.7	0.5	0.6
	F	411	27	150	6.0	1.2	7.4	2.7	0.7	1.3	1.2	0.9	1.2	0.6
Diabetes	M	601	5	235	12.5	0.2	13.6	-	-	-	-	0.2	0.2	0.9
	F	813	4	160	10.2	0.2	8.2	-	-	-	-	0.2	0.2	0.6
ALL VASCULAR DISEASE	M	26468	107	8751	577.2	4.0	506.9	1.3	-	1.5	2.3	4.5	7.0	11.7
	F	31724	51	3817	391.1	2.0	196.7	0.9	0.3	0.3	1.2	2.1	4.4	4.8
Rheumatic heart disease and fever	M	128	4	72	2.5	0.1	4.0	-	-	-	-	-	0.5	0.6
	F	185	1	61	2.5	0.0	3.0	-	-	-	-	-	0.2	-
Hypertensive disease	M	563	1	242	11.9	0.0	14.4	-	-	-	-	-	-	0.3
	F	649	-	138	8.2	-	7.1	-	-	-	-	-	-	-
Ischaemic heart disease	M	12034	18	4739	256.2	0.7	272.3	-	-	-	-	0.4	1.2	3.2
	F	11350	6	1644	140.7	0.2	85.5	-	-	-	-	0.5	0.5	0.6
Pulmonary embolism and other venous	M	818	14	363	17.2	0.5	20.7	-	-	-	-	0.4	0.7	2.6
	F	1185	10	265	15.3	0.4	13.2	-	-	-	0.3	-	1.0	1.5
Cerebrovascular disease	M	6991	22	1653	156.7	0.8	99.7	0.4	-	0.3	0.6	1.1	1.9	1.4
	F	10352	13	992	126.1	0.5	51.4	0.5	-	-	-	0.7	1.0	1.5
Other vascular disease	M	5934	48	1682	132.7	1.8	95.9	0.9	-	1.2	1.7	2.5	2.8	3.7
	F	8003	21	717	98.2	0.8	36.6	0.5	0.3	0.3	0.9	0.9	1.7	1.2
Chronic obstructive pulmonary disease	M	1174	8	437	24.8	0.3	26.2	-	-	-	0.6	0.2	0.2	1.1
	F	702	4	166	9.1	0.2	8.4	-	-	0.3	-	-	0.2	0.6
Other respiratory disease	M	1463	49	510	32.2	2.2	27.3	5.6	1.0	0.6	1.7	2.0	2.1	2.0
	F	1620	30	258	20.8	1.4	12.6	3.6	0.3	0.6	0.6	1.4	1.0	2.1
Peptic ulcer	M	307	4	157	6.3	0.2	8.2	-	-	-	0.3	0.2	-	0.6
	F	301	1	66	3.9	0.0	3.2	-	-	-	-	0.2	-	-
Liver cirrhosis	M	1223	23	1019	23.9	0.9	48.8	0.4	-	-	-	-	0.9	5.2
	F	523	7	374	8.5	0.3	16.8	-	-	-	-	-	0.2	1.8
Renal disease	M	529	2	204	11.4	0.1	11.5	0.4	-	-	-	-	-	0.3
	F	744	8	180	9.6	0.3	8.9	-	-	-	0.9	0.2	0.5	0.6
Pregnancy, birth	F	5	5	-	0.1	0.2	-	-	-	-	0.3	0.2	0.5	0.3
Congenital and perinatal causes	M	182	179	3	6.2	10.9	0.1	73.8	1.0	0.9	0.6	-	-	0.3
	F	149	148	1	5.2	9.4	0.0	61.6	2.1	0.6	1.2	0.2	-	-
Ill-defined causes	M	286	21	137	6.2	0.9	7.0	3.0	-	-	0.8	1.1	0.7	0.9
	F	287	7	42	3.8	0.4	2.0	1.8	-	-	-	0.2	-	0.6
Other medical causes	M	1927	142	919	40.1	5.9	47.2	10.4	2.3	3.9	4.8	6.1	6.5	7.4
	F	2096	100	573	28.9	4.4	27.0	6.8	4.2	1.6	5.3	3.7	4.1	5.1
ALL NON-MEDICAL CAUSES	M	4694	1237	2467	93.0	46.0	113.2	16.5	11.6	11.2	51.4	81.9	71.9	77.9
	F	2376	313	670	34.8	12.7	29.6	10.0	3.8	7.9	18.0	19.2	13.8	16.4
Road traffic accidents	M	802	369	353	15.1	13.5	15.9	1.3	4.3	3.6	18.4	27.2	20.5	19.2
	F	284	108	112	5.0	4.3	4.9	4.1	1.0	2.2	5.9	8.4	5.6	3.0
Fire	M	47	6	29	1.0	0.3	1.3	0.4	0.3	-	-	0.2	0.2	0.6
	F	17	1	3	0.2	0.0	0.1	-	-	-	-	0.2	-	-
Suicide	M	1298	321	769	24.9	11.5	34.6	-	-	2.4	9.0	24.1	20.7	24.3
	F	351	55	193	5.8	2.1	8.3	-	-	1.3	3.0	3.5	2.7	4.5
Homicide	M	104	35	64	2.1	1.5	2.6	2.6	-	-	0.8	1.1	1.9	3.7
	F	50	16	29	1.0	0.7	1.3	0.9	-	0.6	1.2	0.5	0.5	1.2
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				4996.2	2441.7	2202.9	230.4	302.1	331.2	354.2	444.6	430.0	349.2	
				5271.3	2335.9	2317.5	219.3	286.4	316.1	338.3	426.7	413.0	336.1	

## 2000: CZECH REPUBLIC

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
178.2	326.9	557.4	909.1	1401.8	2207.4	3394.5	5091.0	7931.3	17143.7	M	ALL CAUSES	001-999/A00-Y89
73.1	137.4	246.6	384.5	588.4	916.8	1607.7	2796.7	5117.2	14809.9	F		
0.3	0.9	2.8	3.8	3.6	6.0	2.5	7.3	6.9	15.6	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	0.3	0.5	0.5	-	0.8	0.4	2.4	3.8	6.7	F		
-	-	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
-	0.3	0.8	2.3	1.7	1.9	2.0	3.6	6.9	15.6	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	0.3	0.5	1.7	1.5	1.6	3.2	4.5	11.0	10.4	F		
23.8	69.6	163.8	327.9	548.9	873.5	1269.4	1648.3	2173.5	3039.8	M	ALL CANCER	140-208/C00-C97
31.7	61.3	119.8	202.3	301.7	422.6	609.3	837.5	1159.1	1735.1	F		
0.9	9.4	14.8	24.3	28.1	28.4	26.4	25.5	18.9	31.3	M	Mouth and pharynx cancer	140-149/C00-C14
-	1.4	2.0	2.0	2.1	3.6	7.1	4.5	10.0	15.9	F		
1.2	2.9	9.5	13.7	17.5	17.2	24.4	30.9	23.2	27.0	M	Oesophagus cancer	150/C15
0.3	0.6	0.7	1.2	2.1	2.8	0.8	2.9	7.1	9.2	F		
2.3	5.1	8.0	15.4	22.2	39.1	72.2	91.6	153.8	217.6	M	Stomach cancer	151/C16
1.8	3.8	5.5	7.8	9.8	14.8	29.4	45.7	60.0	122.0	F		
2.3	8.0	18.8	39.3	75.1	125.6	207.4	272.9	402.1	596.0	M	Colorectal cancer	153, 154/C18-C21
2.7	6.4	10.5	22.3	37.6	59.6	80.9	120.5	188.7	337.2	F		
0.3	1.1	4.8	12.7	21.2	36.3	40.7	52.8	64.4	92.5	M	Liver cancer	155.0/C22 excl C221
0.9	0.6	2.0	3.7	5.8	12.0	13.9	29.4	34.8	56.4	F		
1.2	3.4	9.5	17.5	30.1	53.0	59.5	82.5	101.4	105.3	M	Pancreas cancer	157/C25
0.3	1.7	4.5	10.1	15.0	26.0	38.1	60.8	85.3	113.4	F		
0.6	1.7	5.3	8.6	12.6	16.7	22.9	23.0	18.0	18.5	M	Larynx cancer	161/C32
-	-	0.2	-	1.2	-	1.6	2.4	1.0	3.7	F		
2.6	14.0	48.5	109.4	200.7	307.9	416.9	470.6	508.6	475.1	M	Lung cancer	162/C33, C34
3.0	3.8	14.4	24.0	37.6	57.2	74.2	92.7	101.0	105.5	F		
1.2	1.1	2.5	5.3	6.3	8.4	12.2	17.6	15.5	28.4	M	Malignant melanoma	172/C43
0.6	0.9	2.0	4.9	3.1	5.2	5.2	10.6	10.0	15.9	F		
4.8	11.0	27.2	42.4	60.9	66.0	90.8	105.8	164.4	245.9	F	Female breast cancer	174/C50
6.6	6.7	8.0	11.3	12.2	12.4	16.3	18.0	18.6	21.5	F	Cervix cancer	180/C53
0.9	2.6	3.7	7.1	13.2	16.4	34.1	46.1	61.9	67.4	F	Other uterine cancer	179, 182/C54, C55
1.2	4.1	11.0	16.9	25.1	30.4	36.5	49.0	58.1	60.7	F	Ovarian cancer	183/C56, C570-C574
-	0.9	1.0	4.1	11.2	34.0	79.8	163.7	289.5	615.9	M	Prostate cancer	185/C61
0.3	0.6	1.8	5.3	8.6	26.0	41.7	54.0	118.6	169.3	M	Bladder cancer	188/C67
0.3	0.3	1.2	1.5	4.0	4.4	6.7	14.7	24.3	40.5	F		
5.2	16.0	29.4	57.7	86.6	135.3	184.0	242.0	330.8	460.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.1	13.3	20.4	37.0	54.5	83.2	127.7	176.0	243.9	404.0	F		
0.3	1.1	0.8	1.0	2.3	0.5	3.6	3.0	6.9	2.8	M	Hodgkin's disease	201/C81
0.3	0.6	0.5	1.0	0.3	1.2	3.2	2.0	3.3	4.3	F		
2.9	1.4	4.3	7.1	12.6	25.6	38.6	53.4	61.9	83.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.6	2.0	2.7	5.4	9.8	14.4	22.2	33.9	49.5	49.7	F		
2.6	2.9	4.8	6.6	13.9	19.5	39.1	64.9	60.1	115.2	M	Leukaemia	204-208/C91-C95
2.4	1.7	3.2	3.7	7.3	12.8	20.6	22.5	37.2	61.9	F		
0.6	2.0	4.5	7.3	14.6	27.9	38.1	75.8	107.4	157.9	M	Diabetes	250/E10-E14
-	0.9	1.5	2.9	10.1	13.6	28.6	63.3	102.0	171.7	F		
30.1	75.9	158.5	296.3	509.9	900.0	1577.5	2650.1	4491.4	11396.9	M	ALL VASCULAR DISEASE	390-459/I00-199
7.8	20.5	50.6	83.6	162.2	328.1	724.3	1499.8	3126.7	10803.2	F		
0.9	0.9	1.3	3.8	3.3	4.7	13.2	13.3	16.3	15.6	M	Rheumatic heart disease and fever	390-398/I00-109
-	0.9	1.0	1.7	3.4	4.4	9.9	16.7	19.5	25.1	F		
0.6	1.4	3.3	9.6	10.3	26.0	49.3	60.0	87.6	169.3	M	Hypertensive disease	401-405/I10-I15
0.6	0.9	3.2	3.2	3.4	9.6	28.6	38.8	68.6	166.8	F		
12.2	43.4	89.4	166.4	287.0	503.7	803.8	1279.6	1975.1	4079.7	M	Ischaemic heart disease	410-414/I20-I25
1.5	5.8	17.9	33.1	71.9	147.7	320.5	624.7	1210.6	3451.3	F		
2.3	5.1	7.3	12.4	19.2	39.1	59.5	81.9	124.6	229.0	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.5	2.3	5.7	5.1	17.4	22.4	37.7	79.6	124.8	277.7	F		
4.9	8.0	20.1	45.6	93.6	169.8	355.9	682.8	1314.4	3783.8	M	Cerebrovascular disease	430-438/I60-I69
1.5	5.5	12.7	22.3	35.2	81.2	201.5	448.3	1037.6	3722.3	F		
9.3	17.1	37.2	58.5	96.6	156.7	295.9	532.4	973.4	3119.5	M	Other vascular disease	Rest of 390-459/ rest of I00-199
2.7	5.2	10.0	18.1	30.9	62.8	126.1	291.5	665.6	3160.0	F		
1.2	2.3	5.0	13.2	24.5	50.2	86.9	129.8	219.1	369.8	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	0.3	2.7	5.1	7.3	12.8	30.1	39.6	72.9	172.9	F		
4.3	8.6	14.3	19.0	37.4	43.7	64.1	117.6	221.6	643.0	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.1	4.6	6.2	8.6	10.1	18.0	38.5	59.6	136.7	551.2	F		
0.3	3.1	4.8	8.9	9.3	13.5	17.3	27.9	41.2	74.0	M	Peptic ulcer	531-533/K25-K27
0.3	0.6	1.5	3.4	2.1	4.0	10.3	13.5	31.4	82.8	F		
7.8	22.2	43.2	62.5	73.1	67.4	65.6	60.0	43.8	44.1	M	Liver cirrhosis	571/K70, K74
4.8	7.5	13.2	18.9	24.8	23.2	25.0	20.0	21.4	29.4	F		
1.2	3.4	3.8	7.9	11.9	17.2	35.1	44.9	90.2	204.8	M	Renal disease	580-590/N00-N19
0.9	1.2	3.7	6.1	8.6	11.6	30.1	41.2	87.2	166.8	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.3	-	-	0.5	-	-	-	-	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	-	0.2	-	-	-	-	-	-	-	F	III-defined causes	780-799/R00-R99
2.0	3.1	4.8	5.6	10.9	6.5	15.8	18.2	26.6	95.3	M		
1.2	0.3	1.2	1.5	1.5	5.2	3.2	11.4	16.7	107.3	F		
11.6	22.2	31.4	43.3	51.6	77.7	92.5	145.5	252.6	472.3	M	Other medical causes	Rest of 001-799/ rest of A00-R99
6.0	10.4	19.4	20.6	28.5	43.2	61.1	123.7	187.7	445.1	F		
94.7	113.2	119.8	110.7	104.5	121.9	127.6	161.9	250.0	614.5	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
18.0	29.2	25.4	29.2	30.0	32.0	43.6	80.0	160.6	527.3	F		
16.5	16.8	17.6	16.5	12.2	17.7	13.7	18.2	27.5	25.6	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.8	3.5	4.5	5.6	4.9	6.8	4.0	9.8	12.4	8.6	F		
1.2	2.3	1.3	0.3	2.6	0.9	0.5	1.8	4.3	5.7	M	Fire	E890-E899/X00-X09
-	-	0.2	0.2	-	0.4	-	1.2	1.4	4.3	F		
32.2	41.4	40.9	32.2	28.4	27.9	39.1	43.1	63.6	89.6	M	Suicide	E950-E959/X60-X84
4.8	9.0	10.0	8.1	9.5	9.2	7.5	16.3	12.4	22.7	F		
4.1	3.4	5.0	1.8	2.3	1.4	0.5	1.8	0.9	1.4	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.6	3.5	0.5	1.0	0.9	0.8	1.6	1.2	0.5	0.6	F		
345.2	350.6	398.1	394.9	302.4	215.0	196.7	164.9	116.4	70.3	M	POPULATION	
333.9	345.6	401.4	407.8	326.8	249.9	252.1	244.9	209.9	163.1	F	(1000s; UN, 2004 revision)	

<b>CZECH REPUBLIC: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2509	212	5	5	202	11	72	150	17	582	1465
35-69	Sm.	10021	4529	2855	579	1095	315	214	4240	-	723	-
	Total	25739	8565	2998	771	4796	374	542	11070	920	1738	2530
		(39%)	(53%)	(95%)	(75%)	(23%)	(84%)	(39%)	(38%)		(42%)	
70+	Sm.	6099	2468	1573	161	734	442	150	2793	-	246	-
	Total	30677	6859	1701	252	4906	583	1090	19161	203	1638	1143
		(20%)	(36%)	(92%)	(64%)	(15%)	(76%)	(14%)	(15%)		(15%)	
Any age	Sm.	16120	6997	4428	740	1829	757	364	7033	-	969	-
	Total	58925	15636	4704	1028	9904	968	1704	30381	1140	3958	5138
		(27%)	(45%)	(94%)	(72%)	(18%)	(78%)	(21%)	(23%)		(24%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1971	185	6	4	175	8	49	107	23	362	1237
35-69	Sm.	8548	4179	2622	588	969	361	195	3145	-	668	-
	Total	23232	8308	2772	815	4721	437	510	8751	1019	1740	2467
		(37%)	(50%)	(95%)	(72%)	(21%)	(83%)	(38%)	(36%)		(38%)	
70+	Sm.	5550	2433	1553	155	725	538	111	2224	-	244	-
	Total	29679	7385	1702	255	5428	729	904	17610	181	1880	990
		(19%)	(33%)	(91%)	(61%)	(13%)	(74%)	(12%)	(13%)		(13%)	
Any age	Sm.	14098	6612	4175	743	1694	899	306	5369	-	912	-
	Total	54882	15878	4480	1074	10324	1174	1463	26468	1223	3982	4694
		(26%)	(42%)	(93%)	(69%)	(16%)	(77%)	(21%)	(20%)		(23%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	5020.2	2554.8	2151.7	353.4	405.3	408.1	319.5	235.0	226.1	204.3	162.9	66.8	84.0
2000	4996.2	2441.7	2202.9	345.2	350.6	398.1	394.9	302.4	215.0	196.7	164.9	116.4	70.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	58925	2509	25739	821	1518	2534	3295	3716	5797	8058	10110	6010	14557
2000	54882	1971	23232	615	1146	2219	3590	4239	4746	6677	8395	9232	12052
<b>Lung cancer</b>													
1995	4704	5	2998	22	84	217	425	536	782	932	935	357	409
2000	4480	6	2772	9	49	193	432	607	662	820	776	592	334
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1302.2*	99.5*	1478.4*	232.3	374.5	620.9	1031.3	1581.3	2563.9	3944.2	6206.3	8997.0	17329.8
2000	1162.6*	79.5*	1282.2*	178.2	326.9	557.4	909.1	1401.8	2207.4	3394.5	5091.0	7931.3	17143.7
<b>All cancer</b>													
1995	342.2*	8.3*	501.3*	33.4	83.9	179.9	371.8	596.2	916.9	1327.0	1809.1	2220.1	2891.7
2000	325.7*	7.3*	468.1*	23.8	69.6	163.8	327.9	548.9	873.5	1269.4	1648.3	2173.5	3039.8
<b>Lung cancer</b>													
1995	101.9*	0.2*	177.6*	6.2	20.7	53.2	133.0	228.1	345.9	456.2	574.0	534.4	486.9
2000	90.2*	0.2*	157.1*	2.6	14.0	48.5	109.4	200.7	307.9	416.9	470.6	508.6	475.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	22.0*	0.2*	41.1*	3.4	11.6	32.3	49.8	56.2	67.2	67.1	71.2	86.8	92.9
2000	21.2*	0.1*	41.0*	2.6	14.0	29.6	46.6	58.2	62.3	73.7	79.4	60.1	76.8
<b>Other cancer</b>													
1995	218.3*	7.9*	282.6*	23.8	51.6	94.3	189.0	311.9	503.8	803.7	1163.9	1598.8	2311.9
2000	214.2*	7.0*	270.0*	18.5	41.6	85.7	171.9	290.0	503.3	778.9	1098.2	1604.8	2487.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	21.8*	0.4*	22.8*	2.0	1.2	5.6	14.1	16.2	46.9	73.4	109.3	193.1	328.6
2000	24.8*	0.3*	26.2*	1.2	2.3	5.0	13.2	24.5	50.2	86.9	129.8	219.1	369.8
<b>Other respiratory disease</b>													
1995	38.6*	3.1*	31.2*	3.1	9.1	13.2	22.2	28.9	51.7	90.1	163.9	288.9	750.0
2000	32.2*	2.2*	27.3*	4.3	8.6	14.3	19.0	37.4	43.7	64.1	117.6	221.6	643.0
<b>Vascular disease</b>													
1995	683.3*	6.0*	664.1*	46.1	100.2	204.9	362.8	656.6	1221.1	2056.8	3512.0	5431.1	11681.0
2000	577.2*	4.0*	506.9*	30.1	75.9	158.5	296.3	509.9	900.0	1577.5	2650.1	4491.4	11396.9
<b>Liver cirrhosis</b>													
1995	23.7*	0.7*	45.7*	12.2	29.9	44.8	57.0	60.9	55.7	59.7	72.4	52.4	59.5
2000	23.9*	0.9*	48.8*	7.8	22.2	43.2	62.5	73.1	67.4	65.6	60.0	43.8	44.1
<b>Other medical causes</b>													
1995	88.3*	26.0*	93.9*	28.3	38.2	58.1	81.4	99.6	154.8	196.8	330.9	509.0	903.6
2000	85.8*	18.7*	91.6*	16.2	35.1	52.8	79.5	103.5	150.7	203.4	323.2	531.8	1035.6
<b>All non-medical causes</b>													
1995	104.5*	55.0*	119.4*	107.2	112.0	114.4	122.1	123.0	116.8	140.5	208.7	302.4	715.5
2000	93.0*	46.0*	113.2*	94.7	113.2	119.8	110.7	104.5	121.9	127.6	161.9	250.0	614.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: CZECH REPUBLIC

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1154	182	3	2	177	4	52	88	9	449	370
35-69	Sm.	1573	551	424	32	95	78	41	735	-	168	-
	Total	13640	5587	609	86	4892	136	296	5362	297	1214	748
		(12%)	(10%)	(70%)	(37%)	(2%)	(57%)	(14%)	(14%)		(14%)	
70+	Sm.	1486	365	268	27	70	137	44	855	-	85	-
	Total	44194	7057	479	112	6466	331	1582	30119	176	2675	2254
		(3%)	(5%)	(56%)	(24%)	(1%)	(41%)	(3%)	(3%)		(3%)	
Any age	Sm.	3059	916	692	59	165	215	85	1590	-	253	-
	Total	58988	12826	1091	200	11535	471	1930	35569	482	4338	3372
		(5%)	(7%)	(63%)	(30%)	(1%)	(46%)	(4%)	(4%)		(6%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	830	145	3	0	142	4	30	51	7	280	313
35-69	Sm.	1386	570	444	36	90	96	36	533	-	151	-
	Total	11544	5202	632	91	4479	166	258	3817	374	1057	670
		(12%)	(11%)	(70%)	(40%)	(2%)	(58%)	(14%)	(14%)		(14%)	
70+	Sm.	2262	565	413	38	114	284	55	1207	-	151	-
	Total	41745	7314	611	109	6594	532	1332	27856	142	3176	1393
		(5%)	(8%)	(68%)	(35%)	(2%)	(53%)	(4%)	(4%)		(5%)	
Any age	Sm.	3648	1135	857	74	204	380	91	1740	-	302	-
	Total	54119	12661	1246	200	11215	702	1620	31724	523	4513	2376
		(7%)	(9%)	(69%)	(37%)	(2%)	(54%)	(6%)	(5%)		(7%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	5310.5	2442.0	2294.2	345.7	403.2	412.1	333.2	258.6	268.0	273.4	256.9	119.4	198.0
2000	5271.3	2335.9	2317.5	333.9	345.6	401.4	407.8	326.8	249.9	252.1	244.9	209.9	163.1
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	58988	1154	13640	339	655	1081	1453	1781	3035	5296	8598	7012	28584
2000	54119	830	11544	244	475	990	1568	1923	2291	4053	6849	10741	24155
<b>Lung cancer</b>													
1995	1091	3	609	11	28	45	89	86	144	206	171	91	217
2000	1246	3	632	10	13	58	98	123	143	187	227	212	172
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	774.8*	49.7*	673.9*	98.1	162.5	262.3	436.1	688.7	1132.5	1937.1	3346.8	5872.7	14436.4
2000	706.3*	37.9*	564.9*	73.1	137.4	246.6	384.5	588.4	916.8	1607.7	2796.7	5117.2	14809.9
<b>All cancer</b>													
1995	189.3*	7.5*	273.2*	36.4	75.1	128.4	215.2	323.3	464.9	669.3	885.9	1181.7	1702.0
2000	178.7*	6.1*	249.8*	31.7	61.3	119.8	202.3	301.7	422.6	609.3	837.5	1159.1	1735.1
<b>Lung cancer</b>													
1995	16.8*	0.1*	30.0*	3.2	6.9	10.9	26.7	33.3	53.7	75.3	66.6	76.2	109.6
2000	18.2*	0.1*	30.6*	3.0	3.8	14.4	24.0	37.6	57.2	74.2	92.7	101.0	105.5
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.8*	0.1*	4.2*	0.3	2.0	2.2	3.0	5.4	6.3	9.9	12.5	8.4	35.4
2000	2.9*	-	4.3*	0.3	2.0	3.0	3.2	5.5	6.4	9.5	9.8	18.1	28.8
<b>Other cancer</b>													
1995	169.6*	7.3*	239.1*	33.0	66.2	115.3	185.5	284.6	404.9	584.1	806.9	1097.2	1557.1
2000	157.6*	6.0*	214.9*	28.5	55.6	102.4	175.1	258.6	358.9	525.6	735.0	1040.0	1600.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	6.3*	0.2*	7.0*	0.9	0.2	1.2	3.3	7.0	13.1	23.0	27.6	46.9	103.0
2000	9.1*	0.2*	8.4*	0.3	0.3	2.7	5.1	7.3	12.8	30.1	39.6	72.9	172.9
<b>Other respiratory disease</b>													
1995	24.0*	2.2*	14.3*	3.2	4.2	7.5	11.7	10.8	20.5	42.1	86.0	170.0	584.8
2000	20.8*	1.4*	12.6*	2.1	4.6	6.2	8.6	10.1	18.0	38.5	59.6	136.7	551.2
<b>Vascular disease</b>													
1995	436.7*	3.7*	272.8*	16.8	29.0	59.2	117.9	234.3	476.9	975.1	1938.1	3817.4	10394.9
2000	391.1*	2.0*	196.7*	7.8	20.5	50.6	83.6	162.2	328.1	724.3	1499.8	3126.7	10803.2
<b>Liver cirrhosis</b>													
1995	7.8*	0.4*	13.6*	4.3	7.9	13.1	15.6	18.2	14.9	20.8	27.6	28.5	35.9
2000	8.5*	0.3*	16.8*	4.8	7.5	13.2	18.9	24.8	23.2	25.0	20.0	21.4	29.4
<b>Other medical causes</b>													
1995	64.4*	21.1*	59.2*	12.7	16.1	28.9	42.3	61.9	100.4	152.2	260.8	387.8	778.8
2000	63.3*	15.2*	51.0*	8.4	13.9	28.6	36.8	52.3	80.0	136.9	260.1	439.7	990.8
<b>All non-medical causes</b>													
1995	46.2*	14.7*	33.9*	23.7	29.8	24.0	30.0	33.3	41.8	54.5	120.7	240.4	836.9
2000	34.8*	12.7*	29.6*	18.0	29.2	25.4	29.2	30.0	32.0	43.6	80.0	160.6	527.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## CZECH REPUBLIC: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.0	– / 0.8	–
35–69	8.5 / 23	1.4 / 12	21 years
70+	5.6 / 30	2.3 / 42	8 years
All ages	14 / 55	3.6 / 54	15 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.6/2.8	1.6/1.7	4.2/4.5	–/0.0	0.4/0.6	0.4/0.6	0.9/1.2
All Cancer	–/0.2	4.2/8.3 (50%)	2.4/7.4 (33%)	6.6/16	–/0.1	0.6/5.2 (11%)	0.6/7.3 (8%)	1.1/13
Vascular	–/0.1	3.1/8.8	2.2/18	5.4/26	–/0.1	0.5/3.8	1.2/28	1.7/32
Respiratory	–/0.1	0.6/0.9	0.6/1.6	1.2/2.6	–/0.0	0.1/0.4	0.3/1.9	0.5/2.3
All Other	–/1.6	0.7/5.2	0.2/3.1	0.9/9.9	–/0.6	0.2/2.1	0.2/4.7	0.3/7.4
All Causes	–/2.0	8.5/23 (37%)	5.6/30 (19%)	14/55	–/0.8	1.4/12 (12%)	2.3/42 (5%)	3.6/54

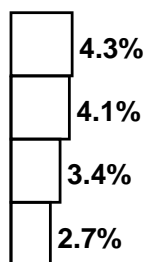
## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	6.6 / 16 (42%)	1.1 / 13 (9%)	7.7 / 29 (27%)
All Causes	14 / 55 (26%)	3.6 / 54 (7%)	18 / 109 (16%)



1985-2000: CZECH REPUBLIC

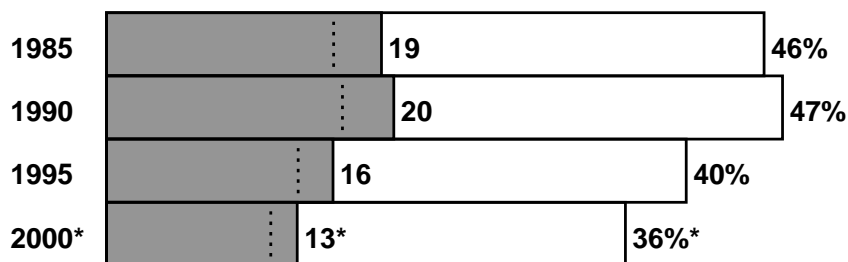
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

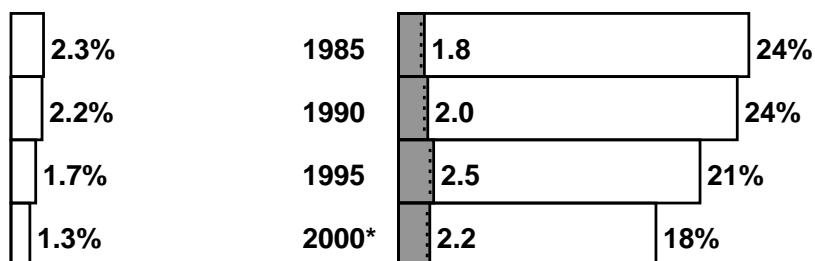
\*eg, at year 2000 male death rates, out of 100 men aged 35, 36 would die before age 70 (with 13 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



<b>CZECH REPUBLIC: 1980-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/3.3	12/27 <b>(43%)</b>	7.9/36 <b>(22%)</b>	20/67	-/1.6	1.0/14 <b>( 7%)</b>	1.4/49 <b>( 3%)</b>	2.5/65
1990	-/3.0	13/31 <b>(42%)</b>	6.1/32 <b>(19%)</b>	19/66	-/1.5	1.4/16 <b>( 9%)</b>	1.5/45 <b>( 3%)</b>	2.9/63
1995	-/2.5	10/26 <b>(39%)</b>	6.1/31 <b>(20%)</b>	16/59	-/1.2	1.6/14 <b>(12%)</b>	1.5/44 <b>( 3%)</b>	3.1/59
2000	-/2.0	8.5/23 <b>(37%)</b>	5.6/30 <b>(19%)</b>	14/55	-/0.8	1.4/12 <b>(12%)</b>	2.3/42 <b>( 5%)</b>	3.6/54

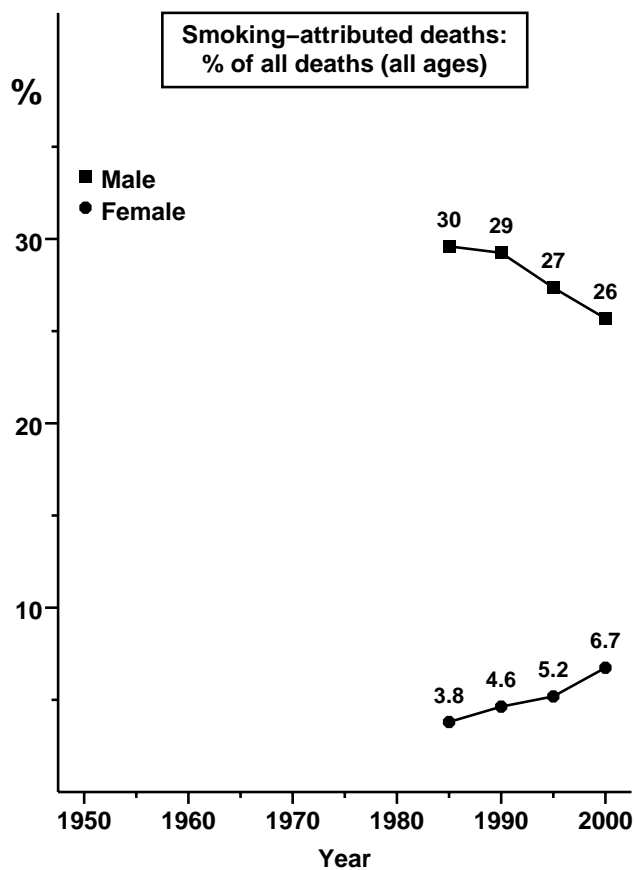
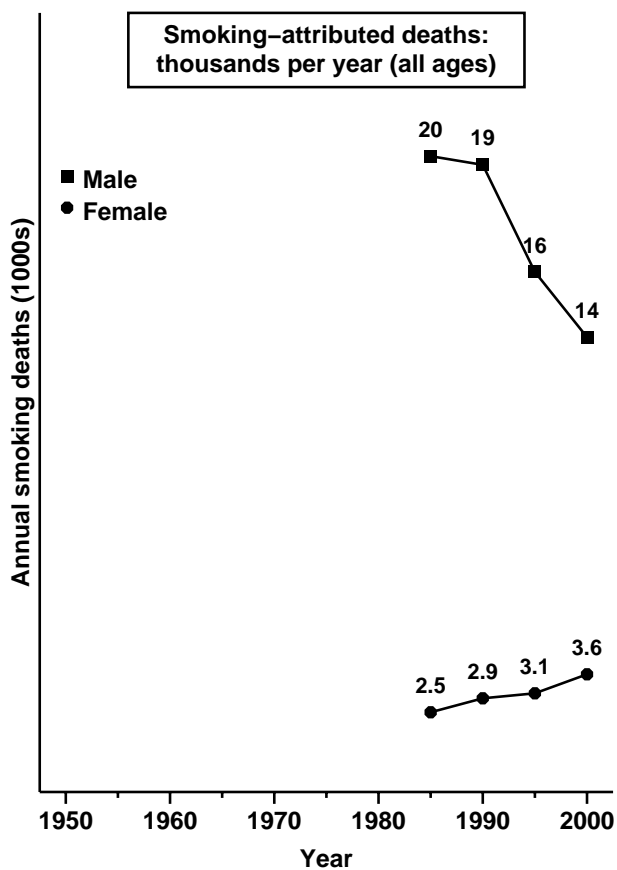
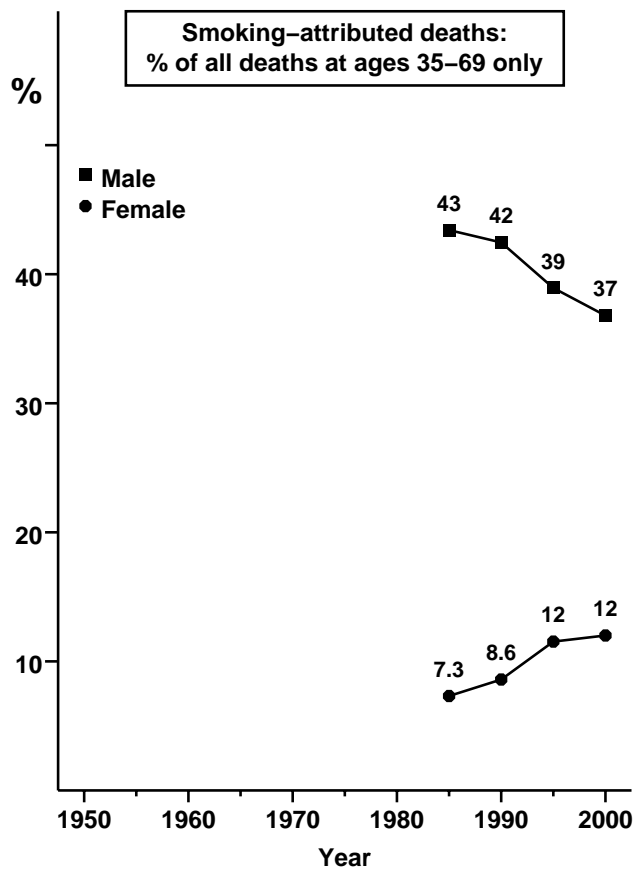
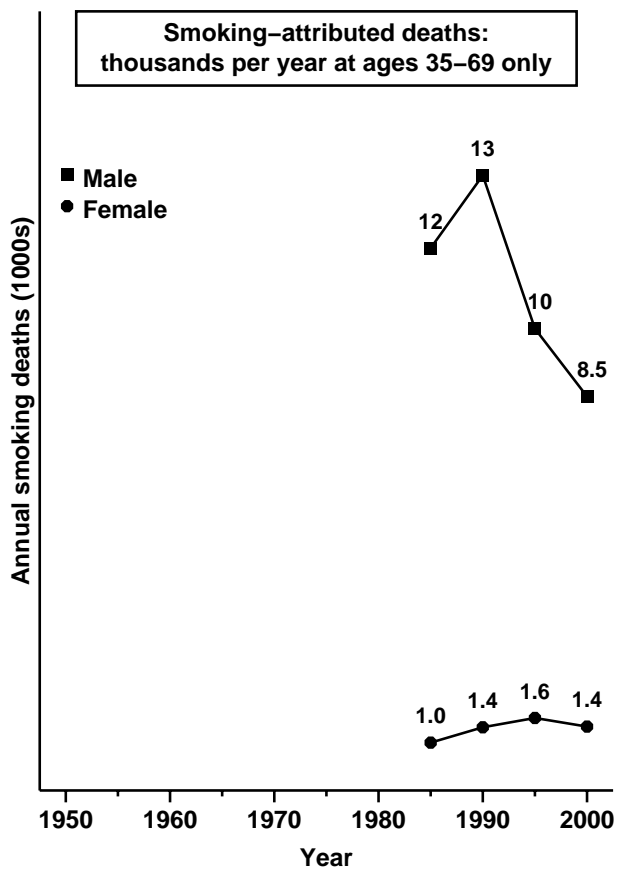
**20-year total\* (thousands), mid-1980 to mid-2000: 414 / 2496**

**1980-2000 by age & sex:**

-/58	218/528 <b>(41%)</b>	140/669 <b>(21%)</b>	358/1255	-/28	26/278 <b>( 9%)</b>	29/934 <b>( 3%)</b>	55/1240
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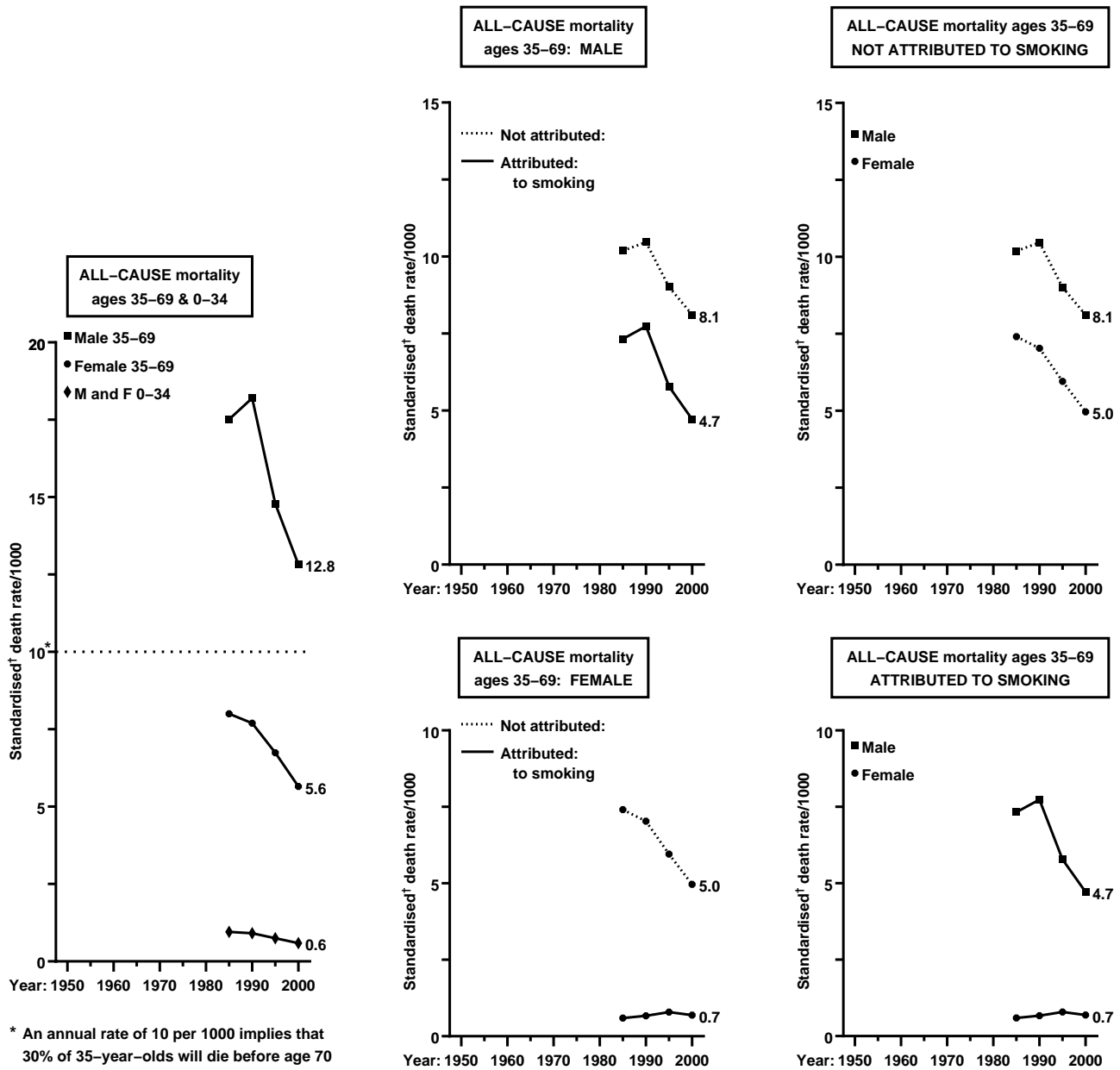
\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: CZECH REPUBLIC



**CZECH REPUBLIC: 1985-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**

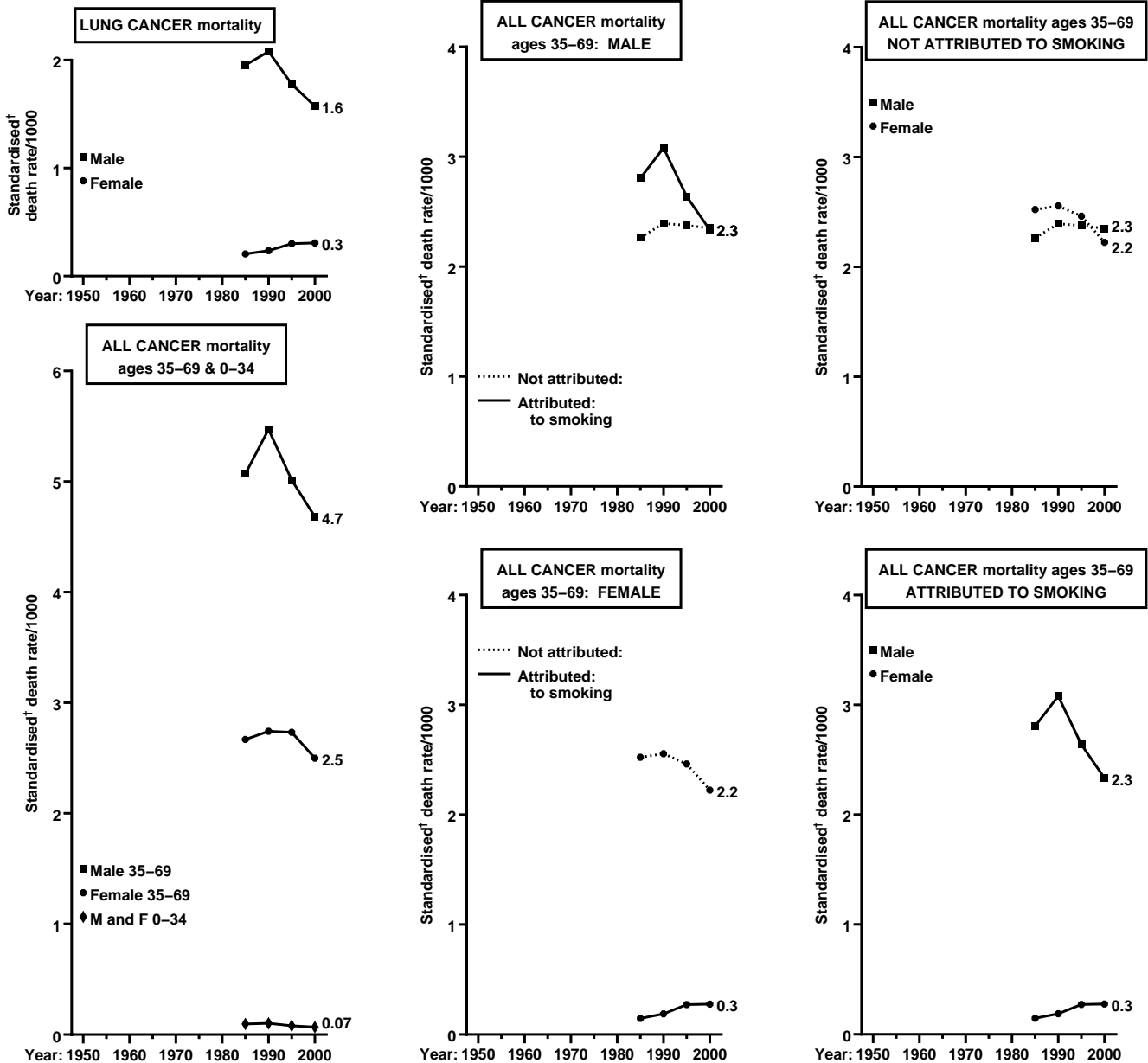


Year	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	
1965	...	...	...	...	...	...	...	...	...	...	...	
1970	...	...	...	...	...	...	...	...	...	...	...	
1975	...	...	...	...	...	...	...	...	...	...	...	
1980	...	...	...	...	...	...	...	...	...	...	...	
1985	-	1.24	7.32	10.2	21.7	70.7	-	0.66	0.59	7.41	2.19	61.7
1990	-	1.19	7.73	10.5	19.5	69.3	-	0.63	0.67	7.03	2.17	51.3
1995	-	0.99	5.78	9.01	16.9	59.1	-	0.50	0.79	5.95	1.86	44.2
2000	-	0.79	4.71	8.11	13.8	51.3	-	0.38	0.69	4.96	2.70	36.9

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: CZECH REPUBLIC

ALL CANCER mortality rates attributed and not attributed to smoking



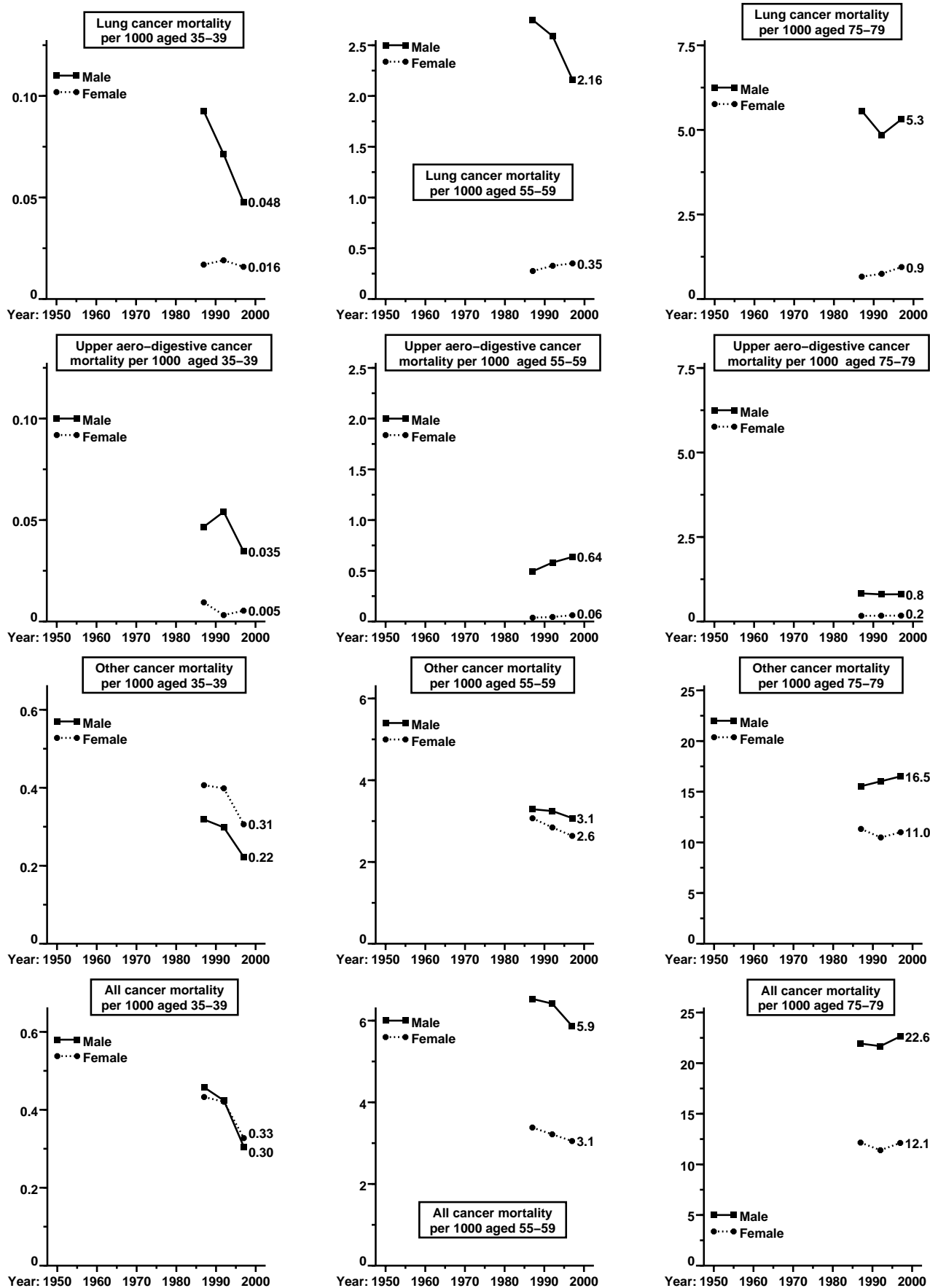
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)						FEMALE cancer mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	
1965	...	...	...	...	...	...	...	...	...	...	...	
1970	...	...	...	...	...	...	...	...	...	...	...	
1975	...	...	...	...	...	...	...	...	...	...	...	
1980	...	...	...	...	...	...	...	...	...	...	...	
1985	-	0.11	2.81	2.26	7.97	12.0	-	0.08	0.15	2.52	0.44	10.3
1990	-	0.11	3.08	2.39	7.77	13.1	-	0.10	0.19	2.55	0.53	10.1
1995	-	0.08	2.64	2.38	7.71	12.4	-	0.07	0.27	2.46	0.53	9.81
2000	-	0.07	2.33	2.35	6.73	12.4	-	0.06	0.28	2.22	0.87	9.11

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**CZECH REPUBLIC: 1985-2000**

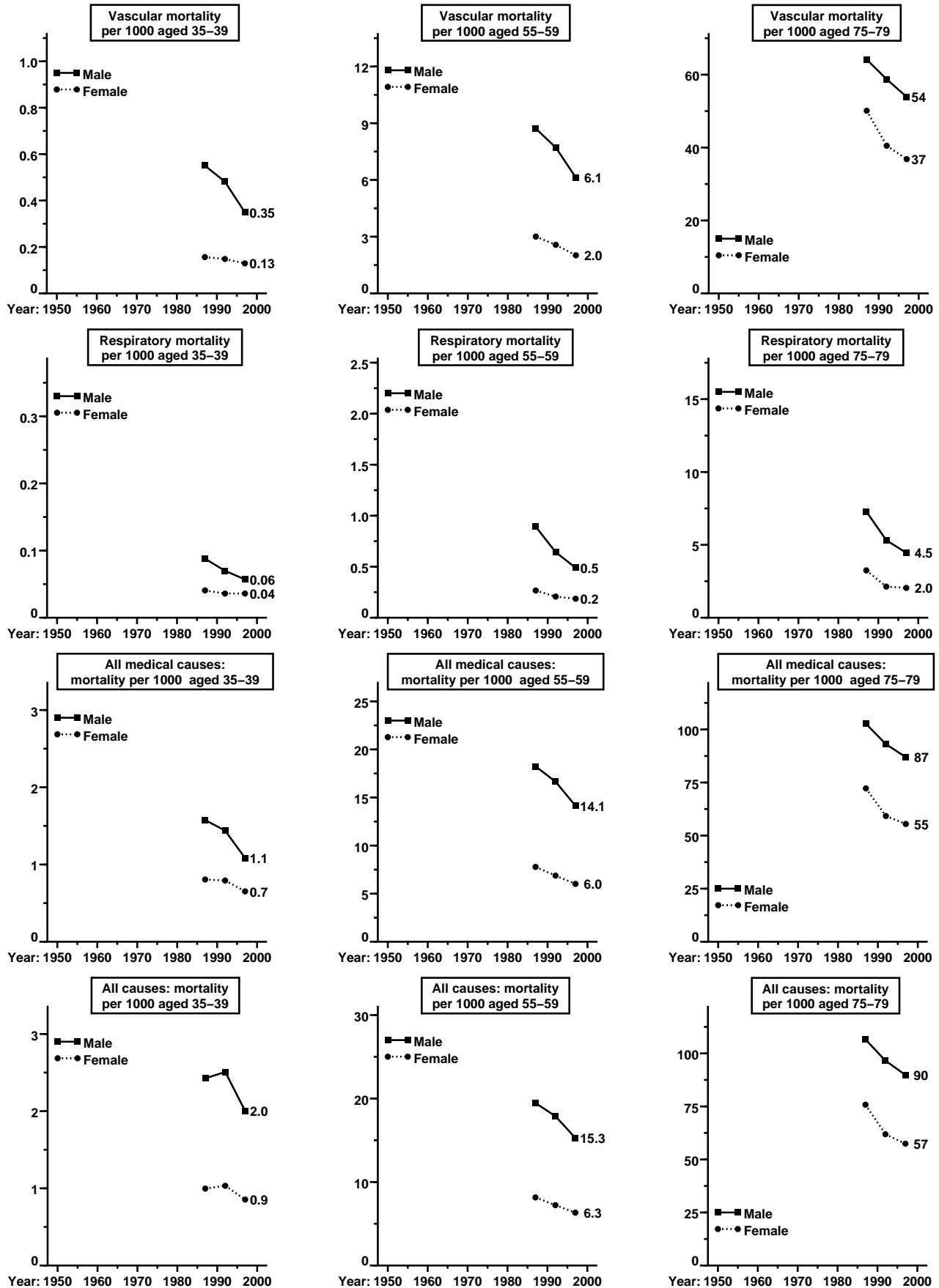
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 140-141

1985-2000: CZECH REPUBLIC

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 140-141

## DENMARK: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	27761	838	8759	900.2	67.0	897.9	127.1	12.9	16.1	60.7	84.0	75.1	93.0
	F	29283	431	6089	624.6	36.2	608.7	99.6	5.3	10.9	30.5	26.8	37.3	42.7
Tuberculosis	M	23	-	7	0.8	-	0.6	-	-	-	-	-	-	-
	F	15	-	4	0.3	-	0.4	-	-	-	-	-	-	-
HIV	M	24	2	22	0.9	0.2	1.7	-	-	-	0.7	-	0.5	-
	F	5	2	3	0.2	0.2	0.2	-	0.6	-	-	-	-	0.5
Other infective and parasitic	M	129	9	38	4.2	0.8	3.6	2.9	-	0.6	0.7	0.6	-	0.5
	F	178	5	37	3.8	0.4	3.8	1.2	-	-	-	0.6	1.0	-
ALL CANCER	M	7832	83	3118	259.4	6.7	329.0	2.3	3.9	3.9	9.1	7.1	9.3	11.0
	F	7646	68	3007	197.8	5.4	298.4	1.2	0.6	3.4	2.9	4.9	9.4	15.1
Mouth and pharynx cancer	M	215	2	149	7.5	0.2	14.4	-	-	-	-	0.6	-	0.5
	F	93	-	38	2.4	-	3.7	-	-	-	-	-	-	-
Oesophagus cancer	M	280	3	153	9.6	0.2	15.6	-	-	-	-	-	0.5	1.0
	F	132	1	52	3.4	0.1	5.3	-	-	-	-	-	-	0.5
Stomach cancer	M	235	2	105	7.9	0.1	11.1	-	-	-	-	-	-	1.0
	F	133	1	40	3.2	0.1	4.1	-	-	-	-	-	-	0.5
Colorectal cancer	M	983	3	345	32.0	0.2	36.4	-	-	-	-	0.6	-	1.0
	F	1081	5	296	25.1	0.4	30.1	-	-	-	-	-	0.5	2.0
Liver cancer	M	119	1	68	4.1	0.1	7.1	-	-	-	-	-	-	0.5
	F	82	2	32	2.2	0.2	3.2	-	-	0.7	-	0.6	-	-
Pancreas cancer	M	387	1	185	13.0	0.1	19.0	-	-	-	-	-	0.5	-
	F	408	-	149	10.3	-	15.2	-	-	-	-	-	-	-
Larynx cancer	M	102	-	54	3.5	-	5.5	-	-	-	-	-	-	-
	F	24	-	8	0.7	-	0.7	-	-	-	-	-	-	-
Lung cancer	M	1997	3	892	67.4	0.2	96.8	-	-	-	-	-	-	1.4
	F	1433	3	677	40.1	0.2	68.8	-	-	-	-	-	0.5	1.0
Malignant melanoma	M	108	2	57	3.7	0.1	5.9	-	-	-	-	-	-	1.0
	F	108	3	53	3.0	0.2	4.8	-	-	-	-	0.6	0.5	0.5
Female breast cancer	F	1329	5	666	36.6	0.4	63.9	-	-	-	-	-	1.6	1.0
Cervix cancer	F	142	10	66	4.1	0.8	6.1	-	-	-	-	1.2	2.6	1.5
Other uterine cancer	F	180	1	67	4.6	0.1	6.5	-	-	-	-	-	0.5	-
Ovarian cancer	F	465	2	252	13.6	0.2	24.7	-	-	-	0.7	-	0.5	-
Prostate cancer	M	1084	-	200	33.9	-	24.2	-	-	-	-	-	-	-
Bladder cancer	M	419	-	116	13.5	-	13.8	-	-	-	-	-	-	-
	F	185	-	43	4.2	-	4.5	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1336	39	561	44.5	3.2	55.7	2.3	3.4	2.6	3.5	3.0	6.2	1.4
	F	1347	21	401	32.0	1.7	39.8	0.6	0.6	1.4	2.2	1.8	1.0	4.5
Hodgkin's disease	M	10	1	6	0.3	0.1	0.6	-	-	-	-	-	-	0.5
	F	13	4	5	0.4	0.3	0.4	-	-	-	-	-	0.5	1.5
Myeloma and non-Hodgkin lymphomas	M	316	9	142	10.5	0.7	14.4	-	-	-	0.7	1.2	-	2.9
	F	279	3	102	6.9	0.2	10.5	-	-	-	-	-	0.5	1.0
Leukaemia	M	241	17	85	8.1	1.5	8.6	-	0.6	1.3	4.9	1.8	2.1	-
	F	212	7	60	5.1	0.6	6.1	0.6	-	1.4	-	0.6	0.5	1.0
Diabetes	M	758	4	272	24.8	0.3	28.5	-	-	-	-	-	-	1.9
	F	675	4	141	14.4	0.3	14.1	-	-	-	-	-	1.0	1.0
ALL VASCULAR DISEASE	M	9754	37	2289	307.0	2.8	246.8	0.6	-	-	2.1	3.0	4.6	9.1
	F	10777	25	1035	195.5	2.0	108.5	2.4	0.6	1.4	1.5	1.2	4.2	3.0
Rheumatic heart disease and fever	M	12	1	2	0.4	0.1	0.2	-	-	-	-	-	0.5	-
	F	11	-	2	0.2	-	0.2	-	-	-	-	-	-	-
Hypertensive disease	M	229	3	92	7.5	0.2	9.8	-	-	-	-	0.6	-	1.0
	F	272	-	27	5.2	-	2.9	-	-	-	-	-	-	-
Ischaemic heart disease	M	4743	5	1197	150.0	0.4	129.1	-	-	-	-	0.6	1.0	1.0
	F	4368	2	403	78.5	0.1	43.1	-	-	-	-	-	0.5	0.5
Pulmonary embolism and other venous	M	138	3	48	4.5	0.2	5.0	-	-	-	0.7	-	-	1.0
	F	195	3	41	4.3	0.3	3.9	-	-	-	1.5	-	-	0.5
Cerebrovascular disease	M	2032	10	416	63.4	0.7	44.9	-	-	-	-	0.6	1.0	3.4
	F	2962	4	314	54.4	0.3	32.2	-	-	-	-	-	1.6	0.5
Other vascular disease	M	2600	15	534	81.2	1.2	57.8	0.6	-	-	1.4	1.2	2.1	2.9
	F	2969	16	248	52.9	1.3	26.2	2.4	0.6	1.4	-	1.2	2.1	1.5
Chronic obstructive pulmonary disease	M	1752	2	341	55.1	0.2	40.3	0.6	-	-	-	0.6	-	-
	F	1913	2	484	45.5	0.2	53.1	-	-	-	-	0.6	-	0.5
Other respiratory disease	M	675	6	85	20.4	0.5	8.8	0.6	-	0.6	-	0.6	0.5	1.0
	F	882	4	52	15.0	0.3	5.2	1.8	-	-	-	-	0.5	-
Peptic ulcer	M	228	1	43	7.1	0.1	5.0	-	-	-	-	-	0.5	-
	F	339	1	31	6.2	0.1	3.2	-	-	-	-	-	-	0.5
Liver cirrhosis	M	574	8	489	20.6	0.5	44.4	-	-	-	-	-	-	3.8
	F	227	2	180	7.6	0.1	15.8	-	-	-	-	-	-	1.0
Renal disease	M	224	2	40	6.9	0.2	4.4	-	-	-	0.7	-	0.5	-
	F	202	-	40	4.2	-	4.0	-	-	-	-	-	-	-
Pregnancy, birth	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital and perinatal causes	M	210	179	27	9.2	14.7	2.2	96.0	-	1.3	1.4	1.2	1.5	1.4
	F	173	134	29	7.7	11.6	2.5	74.7	1.8	1.4	1.5	0.6	-	1.5
Ill-defined causes	M	1020	28	297	32.7	2.2	30.2	5.8	-	-	1.4	1.2	1.5	5.3
	F	1534	15	152	27.5	1.3	15.7	4.9	-	-	0.7	1.2	0.5	1.5
Other medical causes	M	2668	68	904	86.1	5.4	87.1	10.4	3.4	2.6	3.5	6.5	4.1	7.7
	F	3251	47	550	65.4	4.0	53.6	6.1	-	2.0	4.4	5.5	4.7	5.0
ALL NON-MEDICAL CAUSES	M	1890	409	787	65.0	32.6	65.3	8.1	5.6	7.1	41.2	63.3	51.9	51.3
	F	1466	122	344	33.6	10.3	30.1	7.3	1.8	2.7	19.6	12.2	15.7	13.1
Road traffic accidents	M	315	149	108	11.8	12.5	9.2	2.9	2.8	5.2	22.3	29.6	14.9	9.6
	F	148	46	54	4.9	4.1	4.7	0.6	1.2	2.0	11.6	5.5	4.2	3.5
Fire	M	40	8	17	1.4	0.6	1.2	-	0.6	-	0.7	0.6	2.1	0.5
	F	26	-	10	0.6	-	0.9	-	-	-	-	-	-	-
Suicide	M	533	101	321	18.9	7.9	27.0	-	-	0.6	8.4	16.0	13.9	16.3
	F	194	25	114	6.2	2.1	9.6	-	-	-	5.1	1.2	4.2	4.0
Homicide	M	35	10	21	1.3	0.8	1.6	1.2	-	-	0.7	-	1.5	1.9
	F	32	17	12	1.2	1.4	1.0	1.8	0.6	0.7	1.5	1.8	2.6	1.0
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				2639.2	1221.9	1191.0		173.9	177.7	154.9	143.3	169.0	194.5	208.6
				2700.3	1171.8	1182.0		164.7	169.0	146.5	137.8	164.1	190.5	199.2



## 2000: DENMARK

Annual death rates / 100,000 (zero denoted by -)											9th ICD/10th ICD categories	
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
137.2	245.4	390.2	545.5	960.2	1459.0	2547.8	4069.8	6840.1	14124.1	M	ALL CAUSES	001-999/A00-Y89
78.3	132.2	250.7	389.3	614.9	1033.6	1762.2	2734.5	4139.2	11124.7	F		
-	1.0	-	-	1.2	2.3	-	6.9	7.3	7.1	M	Tuberculosis	010-018, 137/ A15-A19, B90
3.8	1.0	2.2	2.5	0.6	0.8	1.0	-	-	-	F		
0.5	0.5	-	0.5	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
1.0	2.1	2.2	4.0	2.3	7.7	5.8	13.7	36.3	64.2	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	1.1	2.2	2.6	2.9	3.7	13.9	13.2	18.3	73.3	F		
20.6	46.7	107.4	178.8	372.0	584.2	993.2	1433.6	2036.3	2820.3	M	ALL CANCER	140-208/C00-C97
25.6	57.4	111.5	212.2	342.1	532.8	807.3	1012.2	1242.9	1601.8	F		
1.4	2.6	10.3	12.5	22.5	18.5	32.9	28.6	29.1	27.1	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	-	3.3	2.6	2.9	9.0	7.8	9.4	16.3	20.4	F		
-	1.6	8.1	13.0	17.3	27.8	41.5	46.9	53.8	65.6	M	Oesophagus cancer	150/C15
-	-	1.7	3.1	7.0	9.0	16.5	17.9	21.3	27.5	F		
0.5	2.6	3.8	7.5	9.2	19.3	34.8	40.0	45.1	88.4	M	Stomach cancer	151/C16
1.0	-	0.6	2.0	4.7	9.0	11.3	19.8	30.5	28.9	F		
1.9	4.2	11.3	18.5	43.3	70.3	105.3	169.3	268.9	430.8	M	Colorectal cancer	153, 154/C18-C21
2.0	3.8	9.9	14.8	37.2	51.5	91.1	143.1	193.1	308.7	F		
-	1.0	2.7	4.0	8.7	14.7	18.4	18.3	29.1	20.0	M	Liver cancer	155.0/C22 excl C221
1.0	-	1.7	3.1	-	9.0	7.8	10.4	14.2	16.2	F		
0.5	3.1	6.5	16.5	21.3	30.1	55.1	66.4	106.1	99.9	M	Pancreas cancer	157/C25
0.5	1.1	3.9	8.7	18.6	26.1	47.7	53.7	78.3	88.1	F		
0.5	1.6	2.7	3.0	6.9	10.0	13.5	18.3	18.9	27.1	M	Larynx cancer	161/C32
-	-	0.6	-	2.9	0.7	0.9	8.5	3.0	2.8	F		
1.0	8.9	22.7	44.0	105.5	181.6	314.0	455.4	565.4	449.4	M	Lung cancer	162/C33, C34
2.0	10.3	16.6	42.3	78.0	127.6	204.9	235.4	256.1	176.9	F		
1.0	1.0	2.7	3.5	7.5	7.0	18.4	16.0	11.6	38.5	M	Malignant melanoma	172/C43
1.5	3.8	3.9	4.6	4.1	8.2	7.8	13.2	10.2	19.7	F		
4.5	21.7	36.4	53.6	80.3	100.0	151.0	150.7	150.4	246.7	F	Female breast cancer	174/C50
4.5	4.9	3.9	4.6	4.1	6.7	13.9	16.9	18.3	21.1	F	Cervix cancer	180/C53
-	0.5	1.1	7.7	8.7	12.7	14.8	29.2	28.5	37.4	F	Other uterine cancer	179, 182/C54, C55
3.0	3.8	11.6	22.4	22.7	48.5	60.8	73.4	62.0	50.7	F	Ovarian cancer	183/C56, C570-C574
-	-	0.5	2.5	16.1	41.7	108.2	194.5	345.9	679.0	M	Prostate cancer	185/C61
0.5	1.0	2.7	3.0	6.3	19.3	63.8	70.9	126.5	219.7	M	Bladder cancer	188/C67
-	0.5	-	0.5	6.4	11.2	13.0	26.4	37.6	54.3	F		
10.6	12.1	26.4	34.5	79.0	99.7	127.5	227.7	296.5	475.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
1.5	7.0	11.6	32.7	48.9	65.7	111.1	154.4	236.8	372.1	F		
-	-	-	-	1.7	2.3	-	1.1	1.5	1.4	M	Hodgkin's disease	201/C81
0.5	-	-	1.0	-	1.5	-	-	2.0	1.4	F		
1.0	3.7	3.8	10.0	17.9	30.9	33.8	38.9	78.5	109.8	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
2.0	-	3.9	4.6	9.3	22.4	31.3	28.2	43.7	71.2	F	Leukaemia	204-208/C91-C95
1.9	3.1	3.2	6.5	8.7	10.8	26.1	41.2	59.6	88.4	M		
1.0	-	1.1	4.1	6.4	14.2	15.6	21.7	40.7	57.8	F		
1.9	6.8	10.8	17.0	27.1	51.8	84.1	145.3	199.1	311.0	M	Diabetes	250/E10-E14
2.0	3.3	5.0	5.6	19.8	21.6	41.7	72.5	100.6	249.5	F		
12.9	33.6	71.2	116.9	253.2	423.5	816.4	1430.2	2686.0	6176.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
8.5	18.4	30.9	50.0	72.1	205.2	374.1	759.9	1465.4	5262.9	F		
-	-	-	0.5	-	-	1.0	1.1	2.9	8.6	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	-	0.6	-	0.9	0.9	3.0	3.5	F		
-	1.0	3.2	4.5	11.0	20.9	28.0	30.9	55.2	98.4	M	Hypertensive disease	401-405/I10-I15
-	-	1.1	1.5	2.3	3.0	12.2	31.1	57.9	109.2	F		
6.2	13.1	32.9	62.9	138.4	229.5	420.3	714.0	1309.6	2875.9	M	Ischaemic heart disease	410-414/I20-I25
0.5	4.9	8.8	17.3	27.3	88.8	153.6	301.3	594.5	2155.0	F		
0.5	1.6	2.7	2.5	5.2	7.0	15.5	18.3	39.2	62.8	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	0.5	3.3	5.1	3.5	3.7	10.4	20.7	35.6	66.2	F		
1.0	9.4	12.4	21.0	45.0	75.0	150.7	294.1	606.1	1329.5	M	Cerebrovascular disease	430-438/I60-I69
5.5	8.1	11.0	16.3	22.1	56.7	105.9	208.1	417.7	1417.9	F		
5.3	8.4	20.0	25.5	53.6	91.2	201.0	371.9	673.0	1801.7	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.0	4.9	6.6	9.7	16.3	53.0	91.1	197.7	356.7	1510.9	F		
1.9	1.0	5.4	12.5	21.3	55.6	184.5	327.2	623.5	990.0	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.0	2.2	6.1	11.2	39.0	97.8	214.4	362.5	428.9	436.9	F	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.0	2.6	3.8	5.5	8.1	14.7	26.1	65.2	146.8	607.7	M		
1.5	1.1	3.3	2.0	5.8	3.7	19.1	55.6	76.2	487.7	F		
-	0.5	2.2	1.5	2.3	7.0	21.3	27.5	62.5	166.9	M	Peptic ulcer	531-533/K25-K27
0.5	0.5	1.1	2.0	2.3	3.7	12.2	27.3	52.8	159.3	F		
6.2	25.2	38.9	46.0	65.2	64.9	64.7	53.8	32.0	11.4	M	Liver cirrhosis	571/K70, K74
5.5	4.3	20.4	16.8	23.9	22.4	17.4	15.1	17.3	8.5	F		
1.0	1.6	1.1	1.5	2.3	7.0	16.4	21.7	50.9	182.6	M	Renal disease	580-590/N00-N19
0.5	1.6	2.2	1.5	4.1	5.2	13.0	17.9	32.5	78.2	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
2.9	0.5	1.1	2.5	5.8	1.5	1.0	-	5.8	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.5	0.5	1.7	3.1	4.1	5.2	1.7	4.7	2.0	2.1	F	Ill-defined causes	780-799/R00-R99
7.2	9.4	14.0	15.5	32.9	49.5	83.1	128.1	175.9	659.1	M		
0.5	3.8	5.5	10.2	11.6	22.4	55.6	77.2	153.5	799.2	F		
13.9	39.9	53.4	78.4	102.1	127.5	194.2	296.3	558.1	1502.1	M	Other medical causes	Rest of 001-799/ rest of A00-R99
9.5	13.5	26.5	41.8	59.9	79.9	144.1	248.6	406.5	1402.4	F		
62.8	73.4	76.6	62.9	64.0	61.1	56.0	120.1	219.5	624.8	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
21.1	23.8	33.7	29.6	27.3	29.1	46.0	65.9	139.2	558.8	F		
7.7	8.4	6.5	9.5	13.3	7.7	11.6	19.5	33.4	25.7	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
3.0	4.3	7.2	1.5	5.8	6.0	5.2	8.5	13.2	18.3	F		
2.9	0.5	1.6	3.0	0.6	-	-	5.7	4.4	10.0	M	Fire	E890-E899/X00-X09
-	-	0.6	2.6	-	2.2	0.9	0.9	3.0	8.5	F		
23.5	28.8	31.8	27.5	21.9	29.4	26.1	44.6	33.4	69.9	M	Suicide	E950-E959/X60-X84
8.0	7.0	9.9	13.8	9.3	9.0	10.4	12.2	9.1	23.3	F		
1.9	3.1	1.6	2.0	1.7	0.8	-	1.1	2.9	1.4	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.0	1.1	1.7	1.5	0.6	-	0.9	-	1.0	1.4	F		
208.5	190.7	185.3	200.2	173.4	129.4	103.5	87.4	68.8	70.1	M	POPULATION	
199.2	184.6	181.1	196.0	171.9	134.0	115.2	106.2	98.4	141.9	F	(1000s; UN, 2004 revision)	

<b>DENMARK: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	1095	86	2	0	84	4	12	42	12	395	544
35-69 Sm.	2893	1285	853	172	260	289	37	770	-	512	-
35-69 Total	9777 (30%)	3027 (42%)	930 (92%)	285 (60%)	1812 (14%)	376 (77%)	142 (26%)	2990 (26%)	464	1959 (26%)	819
70+ Sm.	4619	1776	1125	140	511	1019	125	1243	-	456	-
70+ Total	20192 (23%)	4836 (37%)	1220 (92%)	218 (64%)	3398 (15%)	1330 (77%)	934 (13%)	8977 (14%)	86	3296 (14%)	733
Any age Sm.	7512	3061	1978	312	771	1308	162	2013	-	968	-
Any age Total	31064 (24%)	7949 (39%)	2152 (92%)	503 (62%)	5294 (15%)	1710 (76%)	1088 (15%)	12009 (17%)	562	5650 (17%)	2096
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	838	83	3	5	75	2	6	37	8	293	409
35-69 Sm.	2465	1252	809	206	237	253	21	540	-	399	-
35-69 Total	8759 (28%)	3118 (40%)	892 (91%)	356 (58%)	1870 (13%)	341 (74%)	85 (25%)	2289 (24%)	489	1650 (24%)	787
70+ Sm.	4105	1618	1010	146	462	1058	70	938	-	421	-
70+ Total	18164 (23%)	4631 (35%)	1102 (92%)	236 (62%)	3293 (14%)	1409 (75%)	584 (12%)	7428 (13%)	77	3341 (13%)	694
Any age Sm.	6570	2870	1819	352	699	1311	91	1478	-	820	-
Any age Total	27761 (24%)	7832 (37%)	1997 (91%)	597 (59%)	5238 (13%)	1752 (75%)	675 (13%)	9754 (15%)	574	5284 (16%)	1890

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2579.8	1234.3	1120.6	190.5	186.9	204.9	180.1	137.7	115.9	104.6	91.4	66.0	67.5
2000	2639.2	1221.9	1191.0	208.5	190.7	185.3	200.2	173.4	129.4	103.5	87.4	68.8	70.1
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	31064	1095	9777	364	537	834	1109	1502	2244	3187	4585	5056	10551
2000	27761	838	8759	286	468	723	1092	1665	1888	2637	3557	4706	9901
<b>Lung cancer</b>													
1995	2152	2	930	5	13	33	96	152	281	350	466	397	357
2000	1997	3	892	2	17	42	88	183	235	325	398	389	315
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1047.8*	83.4*	1082.1*	191.1	287.3	407.0	615.8	1090.8	1936.2	3046.8	5016.4	7660.6	15631.1
2000	900.2*	67.0*	897.9*	137.2	245.4	390.2	545.5	960.2	1459.0	2547.8	4069.8	6840.1	14124.1
<b>All cancer</b>													
1995	273.8*	6.7*	346.5*	24.7	32.1	95.7	201.6	350.0	694.6	1026.8	1594.1	2143.9	2909.6
2000	259.4*	6.7*	329.0*	20.6	46.7	107.4	178.8	372.0	584.2	993.2	1433.6	2036.3	2820.3
<b>Lung cancer</b>													
1995	75.6*	0.1*	109.5*	2.6	7.0	16.1	53.3	110.4	242.5	334.6	509.8	601.5	528.9
2000	67.4*	0.2*	96.8*	1.0	8.9	22.7	44.0	105.5	181.6	314.0	455.4	565.4	449.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	18.1*	-	30.6*	1.0	4.3	17.1	27.2	36.3	59.5	68.8	91.9	90.9	109.6
2000	20.6*	0.4*	35.5*	1.9	5.8	21.0	28.5	46.7	56.4	87.9	93.8	101.7	119.8
<b>Other cancer</b>													
1995	180.0*	6.5*	206.4*	21.0	20.9	62.5	121.0	203.3	392.6	623.3	992.3	1451.5	2271.1
2000	171.5*	6.1*	196.7*	17.7	32.0	63.7	106.4	219.7	346.2	591.3	884.4	1369.2	2251.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	56.0*	0.3*	46.7*	1.0	1.1	5.4	7.8	31.2	93.2	187.4	372.0	634.8	845.9
2000	55.1*	0.2*	40.3*	1.9	1.0	5.4	12.5	21.3	55.6	184.5	327.2	623.5	990.0
<b>Other respiratory disease</b>													
1995	34.4*	0.9*	16.6*	1.0	6.4	2.9	4.4	16.0	25.9	59.3	156.5	219.7	957.0
2000	20.4*	0.5*	8.8*	1.0	2.6	3.8	5.5	8.1	14.7	26.1	65.2	146.8	607.7
<b>Vascular disease</b>													
1995	394.8*	3.1*	350.5*	13.1	43.3	76.6	148.8	338.4	665.2	1168.3	1975.9	3337.9	7360.0
2000	307.0*	2.8*	246.8*	12.9	33.6	71.2	116.9	253.2	423.5	816.4	1430.2	2686.0	6176.9
<b>Liver cirrhosis</b>													
1995	21.3*	0.8*	44.3*	13.1	31.0	42.9	42.2	63.2	63.8	53.5	56.9	36.4	14.8
2000	20.6*	0.5*	44.4*	6.2	25.2	38.9	46.0	65.2	64.9	64.7	53.8	32.0	11.4
<b>Other medical causes</b>													
1995	193.7*	30.9*	202.5*	65.1	89.4	122.5	154.9	215.7	314.1	456.0	717.7	1050.0	2884.4
2000	172.7*	23.8*	163.2*	31.7	62.9	86.9	122.9	176.5	255.0	406.8	639.6	1095.9	2893.0
<b>All non-medical causes</b>													
1995	73.9*	40.7*	75.0*	73.0	84.0	61.0	56.1	76.3	79.4	95.6	143.3	237.9	659.3
2000	65.0*	32.6*	65.3*	62.8	73.4	76.6	62.9	64.0	61.1	56.0	120.1	219.5	624.8

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: DENMARK

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	520	85	3	0	82	4	6	38	9	260	118
35-69	Sm.	2034	822	624	62	136	367	35	446	-	364	-
	Total	6823 (30%)	3180 (26%)	711 (88%)	96 (65%)	2373 (6%)	452 (81%)	106 (33%)	1321 (34%)	221	1099 (33%)	444
70+	Sm.	3392	783	542	74	167	750	125	1195	-	539	-
	Total	24408 (14%)	4487 (17%)	640 (85%)	126 (59%)	3721 (4%)	989 (76%)	1267 (10%)	11558 (10%)	68	5073 (11%)	966
Any age	Sm.	5426	1605	1166	136	303	1117	160	1641	-	903	-
	Total	31751 (17%)	7752 (21%)	1354 (86%)	222 (61%)	6176 (5%)	1445 (77%)	1379 (12%)	12917 (13%)	298	6432 (14%)	1528
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	431	68	3	1	64	2	4	25	2	208	122
35-69	Sm.	1784	758	583	60	115	384	17	325	-	300	-
	Total	6089 (29%)	3007 (25%)	677 (86%)	98 (61%)	2232 (5%)	484 (79%)	52 (33%)	1035 (31%)	180	987 (30%)	344
70+	Sm.	4016	952	656	95	201	1135	100	1188	-	641	-
	Total	22763 (18%)	4571 (21%)	753 (87%)	150 (63%)	3668 (5%)	1427 (80%)	826 (12%)	9717 (12%)	45	5177 (12%)	1000
Any age	Sm.	5800	1710	1239	155	316	1519	117	1513	-	941	-
	Total	29283 (20%)	7646 (22%)	1433 (86%)	249 (62%)	5964 (5%)	1913 (79%)	882 (13%)	10777 (14%)	227	6372 (15%)	1466

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2648.2	1177.7	1121.0	182.7	181.4	198.6	176.3	139.3	123.8	118.9	116.3	95.4	137.8
2000	2700.3	1171.8	1182.0	199.2	184.6	181.1	196.0	171.9	134.0	115.2	106.2	98.4	141.9
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	31751	520	6823	210	333	568	810	1013	1539	2350	3366	4346	16696
2000	29283	431	6089	156	244	454	763	1057	1385	2030	2904	4073	15786
<b>Lung cancer</b>													
1995	1354	3	711	3	27	46	84	125	181	245	236	202	202
2000	1433	3	677	4	19	30	83	134	171	236	250	252	251
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	700.1*	42.4*	713.0*	114.9	183.6	286.0	459.4	727.2	1243.1	1976.5	2894.2	4555.6	12116.1
2000	624.6*	36.2*	608.7*	78.3	132.2	250.7	389.3	614.9	1033.6	1762.2	2734.5	4139.2	11124.7
<b>All cancer</b>													
1995	209.0*	6.8*	329.3*	37.2	75.5	145.0	254.1	384.1	582.4	826.7	920.0	1204.4	1645.9
2000	197.8*	5.4*	298.4*	25.6	57.4	111.5	212.2	342.1	532.8	807.3	1012.2	1242.9	1601.8
<b>Lung cancer</b>													
1995	40.4*	0.2*	75.6*	1.6	14.9	23.2	47.6	89.7	146.2	206.1	202.9	211.7	146.6
2000	40.1*	0.2*	68.8*	2.0	10.3	16.6	42.3	78.0	127.6	204.9	235.4	256.1	176.9
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	6.1*	-	10.2*	0.5	1.1	2.5	7.9	14.4	18.6	26.1	28.4	31.4	45.7
2000	6.5*	0.1*	9.8*	0.5	-	5.5	5.6	12.8	18.7	25.2	35.8	40.7	50.7
<b>Other cancer</b>													
1995	162.5*	6.6*	243.5*	35.0	59.5	119.3	198.5	280.0	417.6	594.6	688.7	961.2	1453.6
2000	151.3*	5.1*	219.9*	23.1	47.1	89.5	164.3	251.3	386.6	577.3	741.1	946.1	1374.2
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	36.5*	0.3*	51.2*	1.1	1.7	3.0	14.2	38.0	117.9	182.5	258.0	280.9	305.5
2000	45.5*	0.2*	53.1*	1.0	2.2	6.1	11.2	39.0	97.8	214.4	362.5	428.9	436.9
<b>Other respiratory disease</b>													
1995	24.6*	0.5*	10.8*	1.6	5.0	4.5	10.8	9.3	12.9	31.1	73.1	162.5	745.3
2000	15.0*	0.3*	5.2*	1.5	1.1	3.3	2.0	5.8	3.7	19.1	55.6	76.2	487.7
<b>Vascular disease</b>													
1995	243.0*	2.9*	145.7*	8.2	19.3	33.2	47.6	117.7	273.8	519.8	1000.0	1874.2	6246.0
2000	195.5*	2.0*	108.5*	8.5	18.4	30.9	50.0	72.1	205.2	374.1	759.9	1465.4	5262.9
<b>Liver cirrhosis</b>													
1995	10.3*	0.7*	21.0*	8.2	11.6	14.6	24.4	33.0	27.5	27.8	24.1	19.9	15.2
2000	7.6*	0.1*	15.8*	5.5	4.3	20.4	16.8	23.9	22.4	17.4	15.1	17.3	8.5
<b>Other medical causes</b>													
1995	139.0*	21.9*	113.5*	26.3	39.1	51.9	70.9	106.2	189.8	310.3	532.2	853.2	2641.5
2000	129.6*	17.8*	97.6*	15.1	24.9	44.7	67.3	104.7	142.5	283.9	463.3	769.3	2768.1
<b>All non-medical causes</b>													
1995	37.6*	9.4*	41.5*	32.3	31.4	33.7	37.4	38.8	38.8	78.2	86.8	160.4	516.7
2000	33.6*	10.3*	30.1*	21.1	23.8	33.7	29.6	27.3	29.1	46.0	65.9	139.2	558.8

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## DENMARK: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.8	– / 0.4	–
35–69	2.5 / 8.8	1.8 / 6.1	22 years
70+	4.1 / 18	4.0 / 23	8 years
All ages	6.6 / 28	5.8 / 29	13 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

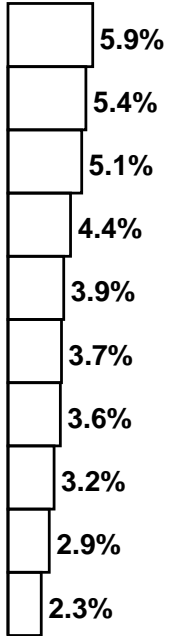
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.8/0.9	1.0/1.1	1.8/2.0	–/0.0	0.6/0.7	0.7/0.8	1.2/1.4
All Cancer	–/0.1	1.3/3.1 (40%)	1.6/4.6 (35%)	2.9/7.8	–/0.1	0.8/3.0 (25%)	1.0/4.6 (21%)	1.7/7.6
Vascular	–/0.0	0.5/2.3	0.9/7.4	1.5/9.8	–/0.0	0.3/1.0	1.2/9.7	1.5/11
Respiratory	–/0.0	0.3/0.4	1.1/2.0	1.4/2.4	–/0.0	0.4/0.5	1.2/2.3	1.6/2.8
All Other	–/0.7	0.4/2.9	0.4/4.1	0.8/7.7	–/0.3	0.3/1.5	0.6/6.2	0.9/8.1
All Causes	–/0.8	2.5/8.8 (28%)	4.1/18 (23%)	6.6/28	–/0.4	1.8/6.1 (29%)	4.0/23 (18%)	5.8/29

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	2.9 / 7.8 (37%)	1.7 / 7.6 (22%)	4.6 / 15 (30%)
All Causes	6.6 / 28 (24%)	5.8 / 29 (20%)	12 / 57 (22%)

1955-2000: DENMARK

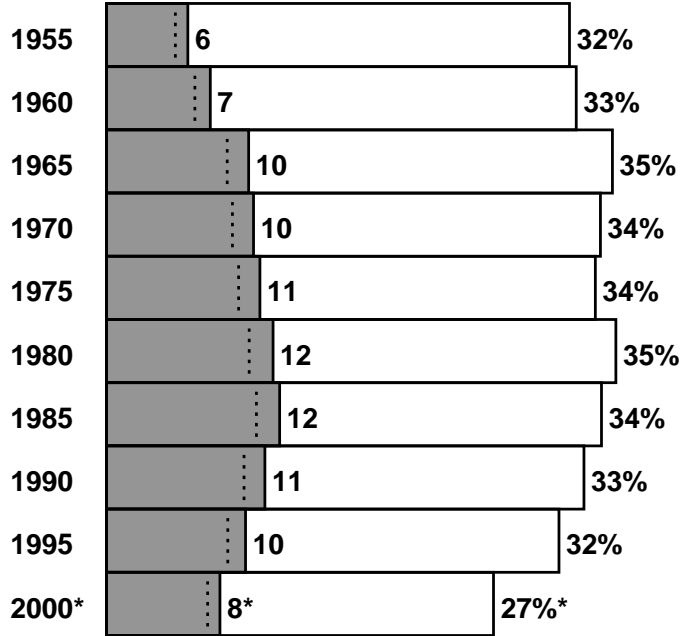
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

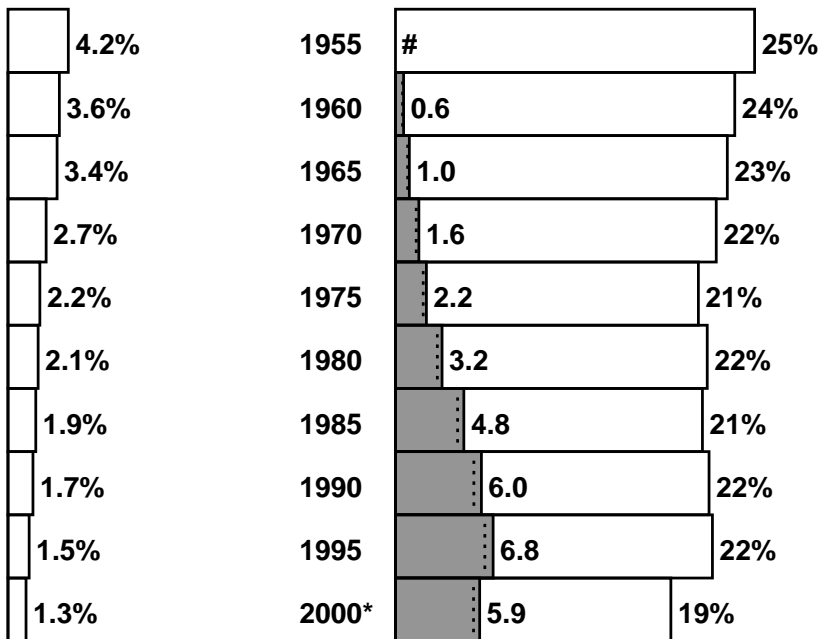
\*eg, at year 2000 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 8 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

## DENMARK: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/2.2	1.4/7.8 <b>(18%)</b>	0.4/10 <b>(4%)</b>	1.8/20	-/1.5	0.0/6.3	0.0/11	0.0/18
1960	-/2.0	2.0/8.6 <b>(23%)</b>	0.8/12 <b>(6%)</b>	2.7/23	-/1.2	0.1/6.4 <b>(2%)</b>	0.3/13 <b>(2%)</b>	0.4/21
1965	-/2.0	2.9/10 <b>(28%)</b>	1.4/14 <b>(10%)</b>	4.3/26	-/1.3	0.3/6.7 <b>(4%)</b>	0.3/14 <b>(2%)</b>	0.5/22
1970	-/1.7	3.0/10 <b>(30%)</b>	1.9/14 <b>(13%)</b>	4.9/26	-/1.0	0.5/6.8 <b>(7%)</b>	0.5/14 <b>(3%)</b>	1.0/22
1975	-/1.5	3.3/10 <b>(31%)</b>	2.7/16 <b>(17%)</b>	5.9/28	-/0.8	0.7/6.5 <b>(10%)</b>	0.6/16 <b>(4%)</b>	1.3/23
1980	-/1.4	3.6/11 <b>(32%)</b>	3.8/18 <b>(21%)</b>	7.3/30	-/0.7	1.0/6.7 <b>(15%)</b>	1.1/18 <b>(6%)</b>	2.1/26
1985	-/1.3	3.6/11 <b>(34%)</b>	4.2/18 <b>(23%)</b>	7.9/30	-/0.6	1.5/6.6 <b>(22%)</b>	1.7/21 <b>(8%)</b>	3.2/28
1990	-/1.2	3.3/10 <b>(32%)</b>	4.3/20 <b>(22%)</b>	7.6/31	-/0.6	1.8/6.8 <b>(27%)</b>	2.6/22 <b>(11%)</b>	4.4/30
1995	-/1.1	2.9/9.8 <b>(30%)</b>	4.6/20 <b>(23%)</b>	7.5/31	-/0.5	2.0/6.8 <b>(30%)</b>	3.4/24 <b>(14%)</b>	5.4/32
2000	-/0.8	2.5/8.8 <b>(28%)</b>	4.1/18 <b>(23%)</b>	6.6/28	-/0.4	1.8/6.1 <b>(29%)</b>	4.0/23 <b>(18%)</b>	5.8/29

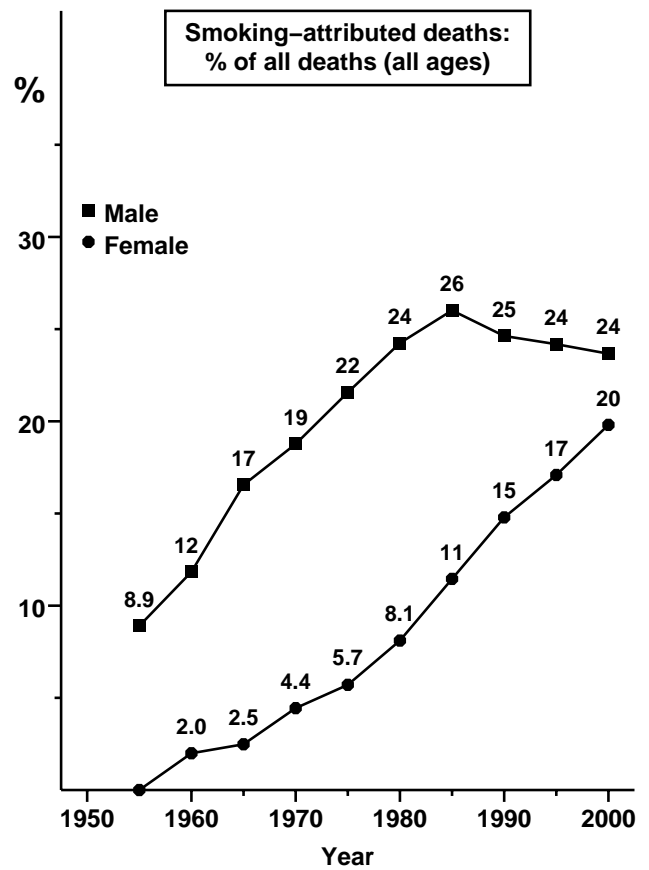
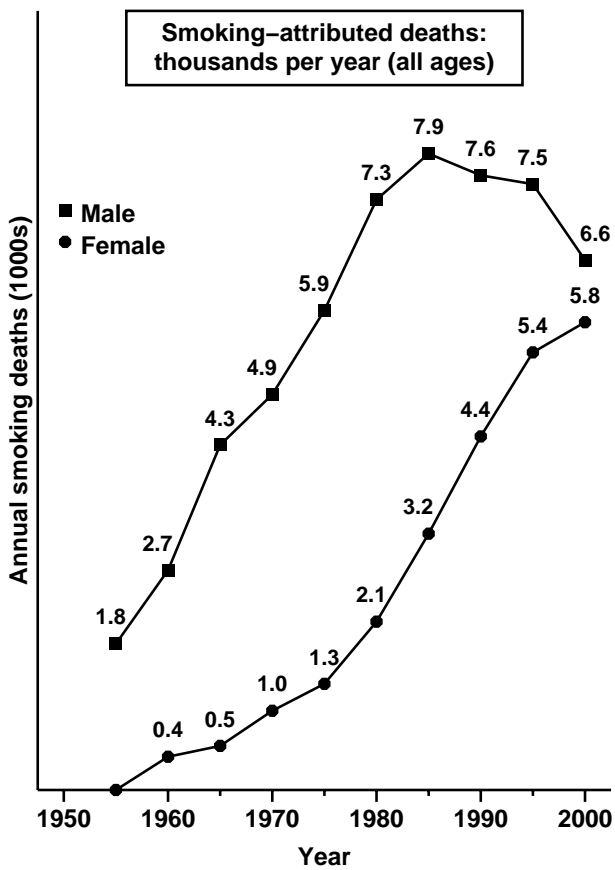
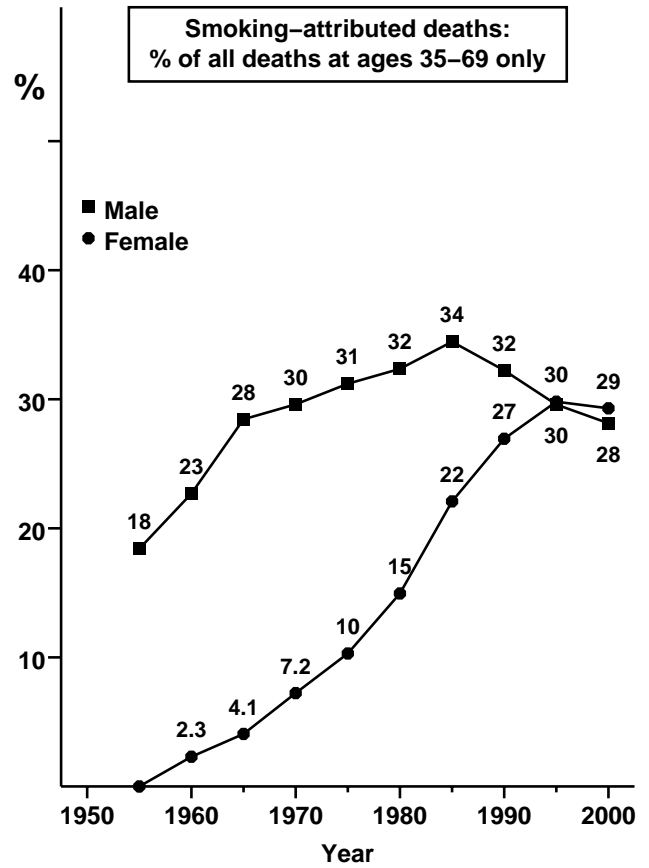
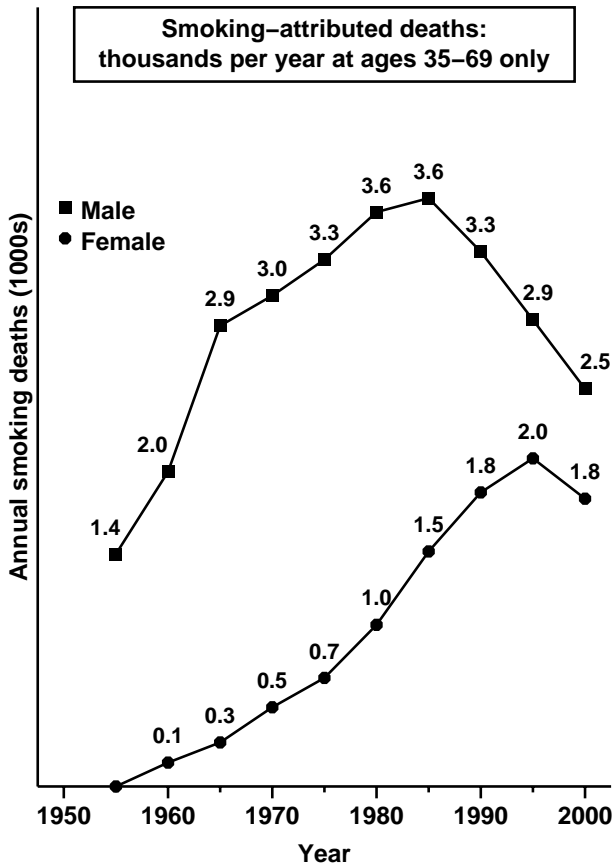
50-year total\* (thousands), mid-1950 to mid-2000: **379 / 2582**

1950-2000 by age & sex:

-/81	141/487 <b>(29%)</b>	133/784 <b>(17%)</b>	274/1352	-/47	44/329 <b>(13%)</b>	60/854 <b>(7%)</b>	105/1230
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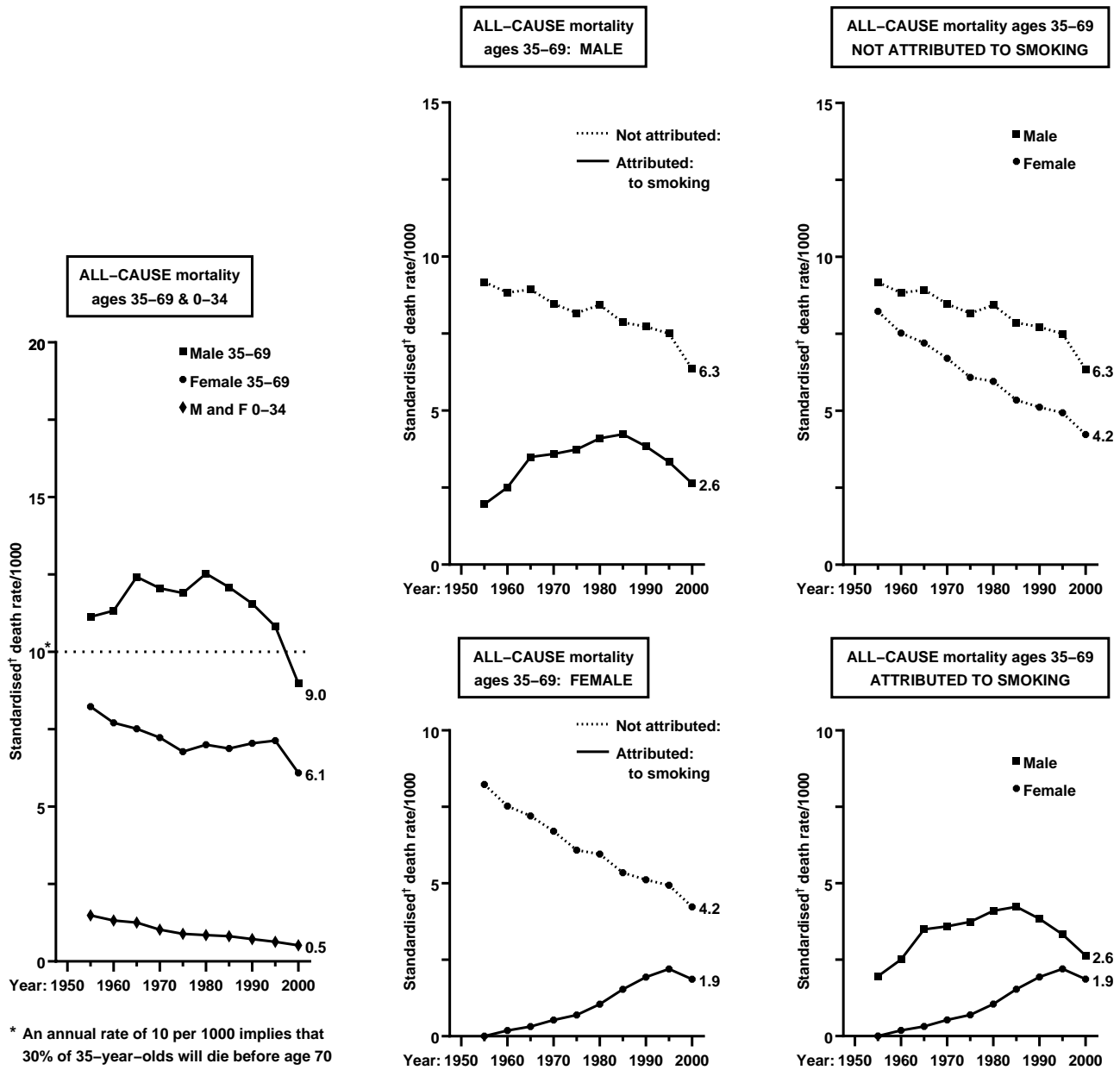
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: DENMARK



**DENMARK: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



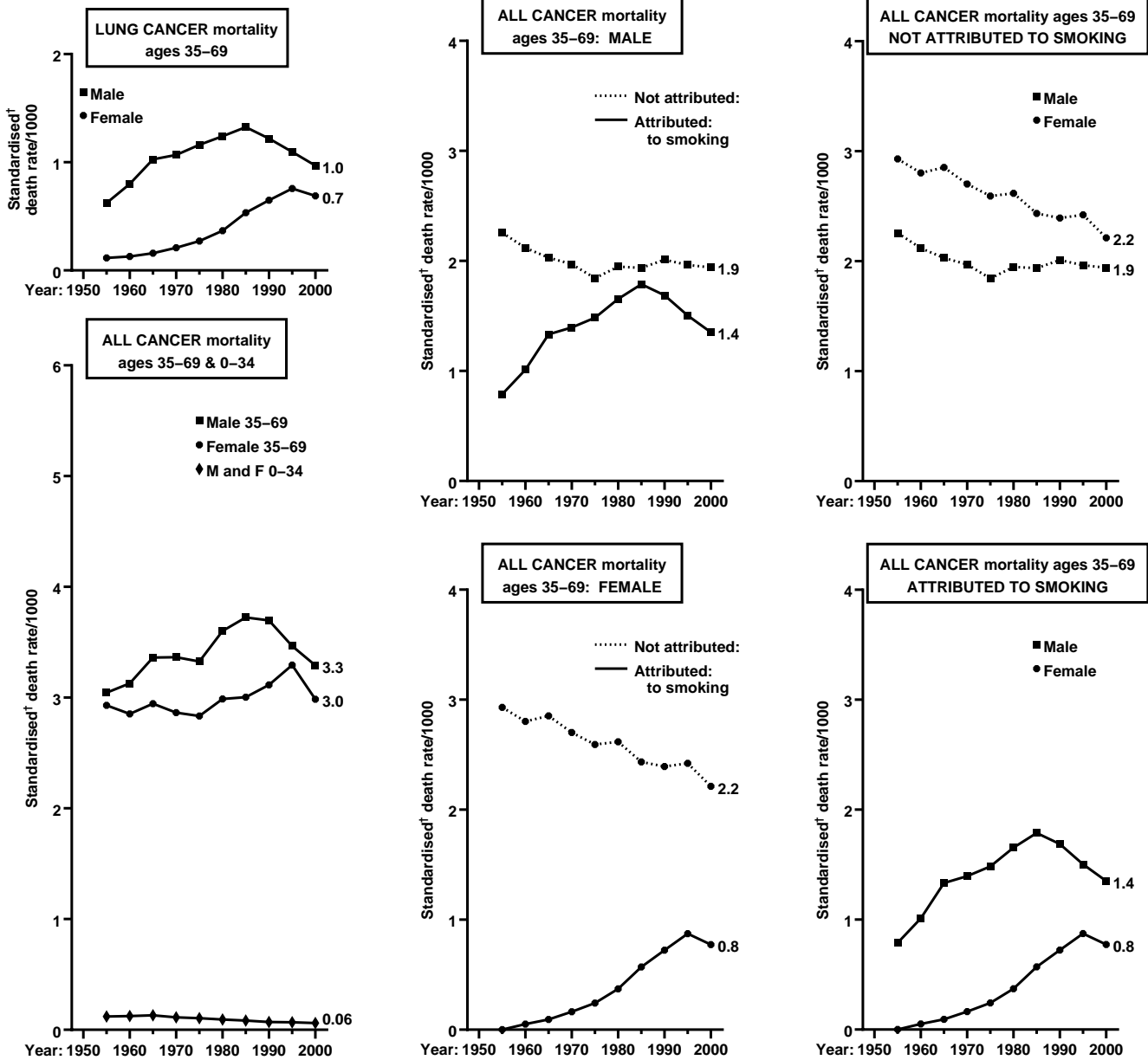
Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	1.74	1.96	9.17	2.64	61.2	-	1.23	0.00	8.23	0.00	55.1	-	1.04	0.18	7.52	1.38	54.0
1960	-	1.59	2.50	8.82	4.91	62.5	-	0.99	0.31	7.20	1.34	50.2	-	0.77	0.53	6.70	1.83	42.0
1965	-	1.51	3.49	8.93	8.51	60.1	-	0.64	0.69	6.08	2.00	37.4	-	0.61	1.05	5.95	2.84	34.4
1970	-	1.27	3.59	8.46	10.4	55.4	-	0.56	1.53	5.34	4.23	32.0	-	0.50	1.93	5.11	5.70	30.3
1975	-	1.13	3.73	8.16	13.5	52.4	-	0.42	2.20	4.93	7.47	29.8	-	0.36	1.86	4.23	8.92	25.4
1980	-	1.09	4.10	8.43	16.7	51.8	-	0.36	2.20	4.93	7.47	29.8	-	0.36	1.86	4.23	8.92	25.4
1985	-	1.06	4.23	7.86	17.0	48.1	-	0.36	2.20	4.93	7.47	29.8	-	0.36	1.86	4.23	8.92	25.4
1990	-	0.93	3.83	7.72	16.8	47.8	-	0.36	2.20	4.93	7.47	29.8	-	0.36	1.86	4.23	8.92	25.4
1995	-	0.83	3.33	7.50	17.3	46.1	-	0.36	2.20	4.93	7.47	29.8	-	0.36	1.86	4.23	8.92	25.4
2000	-	0.67	2.63	6.35	14.7	39.8	-	0.36	2.20	4.93	7.47	29.8	-	0.36	1.86	4.23	8.92	25.4

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)



1955-2000: DENMARK

ALL CANCER mortality rates attributed and not attributed to smoking



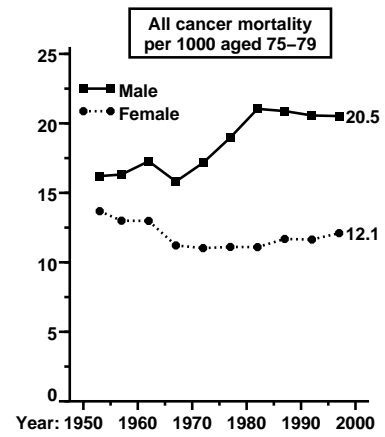
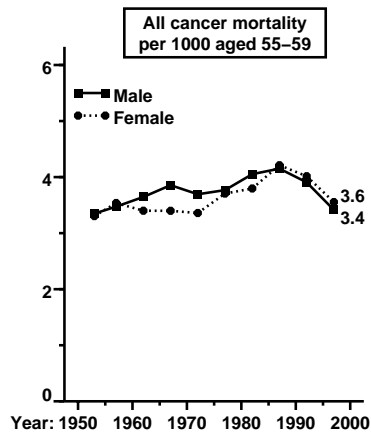
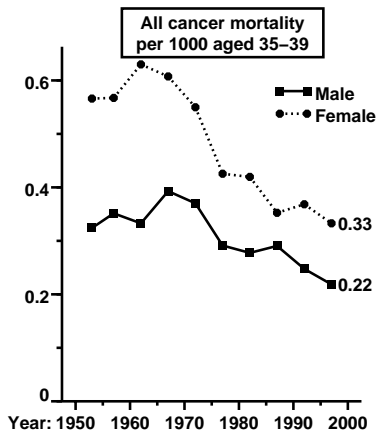
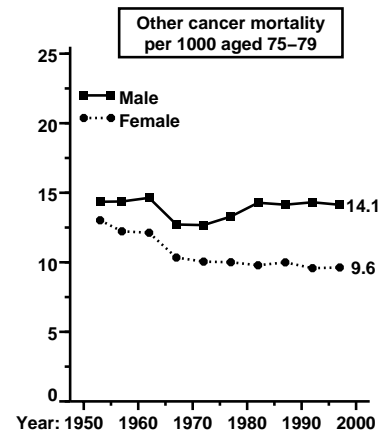
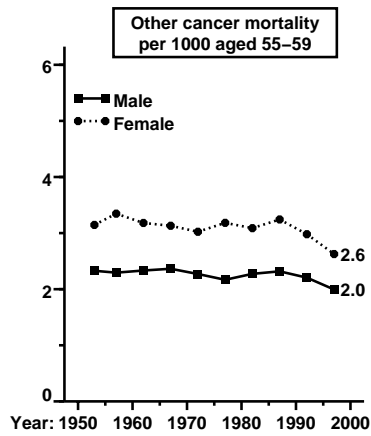
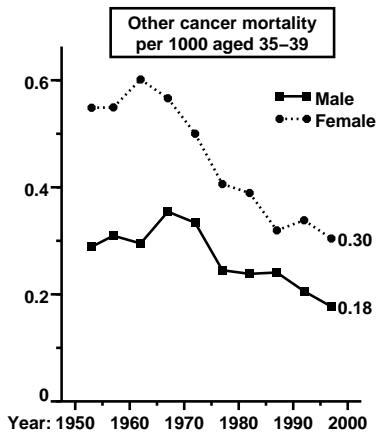
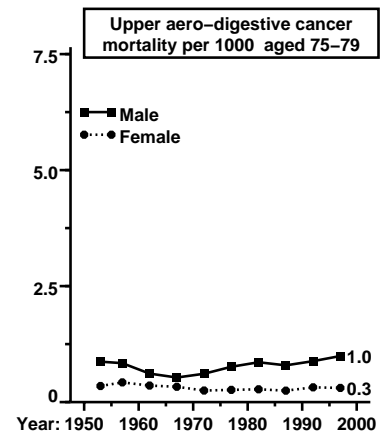
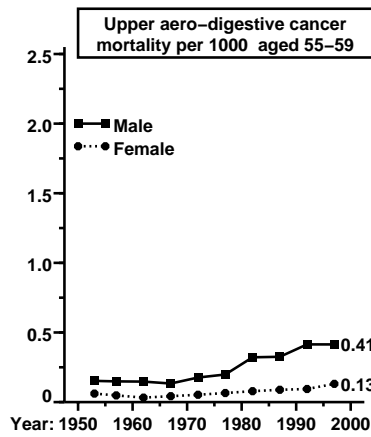
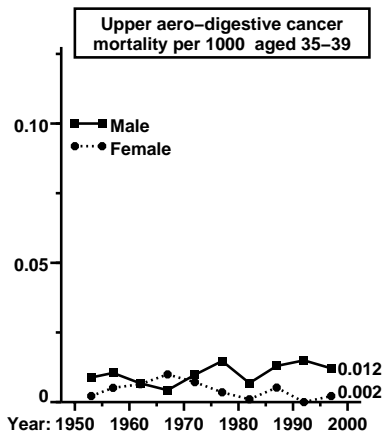
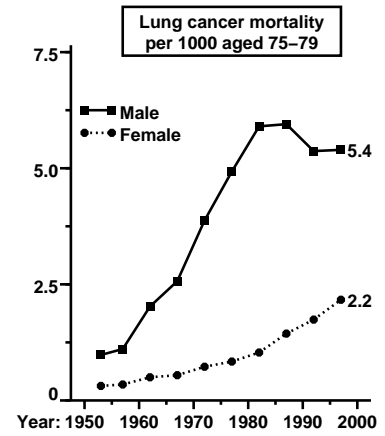
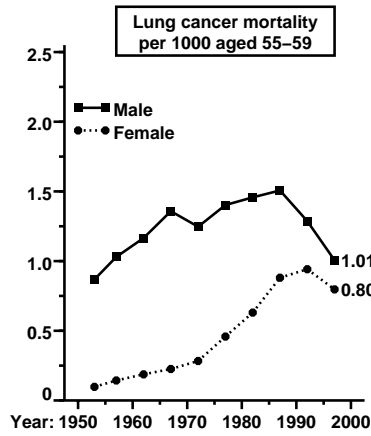
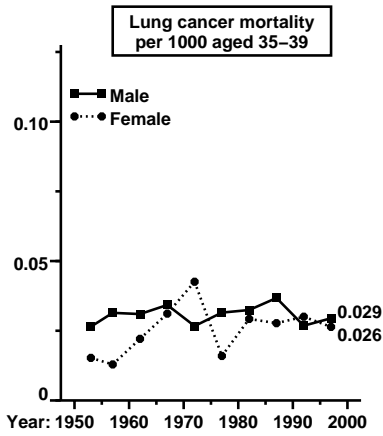
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	-	0.12	0.79	2.26	1.22	12.9	-	0.12	0.00	2.93	0.00	11.0	-	0.12	0.05	2.80	0.35	10.8
1960	-	0.13	1.01	2.12	2.06	12.2	-	0.12	0.05	2.80	0.35	10.8	-	0.12	0.09	2.85	0.34	10.5
1965	-	0.14	1.33	2.03	4.03	10.3	-	0.11	0.16	2.70	0.50	9.31	-	0.11	0.24	2.59	0.59	8.80
1970	-	0.11	1.39	1.97	7.16	11.1	-	0.09	0.37	2.62	0.90	9.09	-	0.09	0.57	2.43	1.29	8.72
1975	-	0.11	1.48	1.84	7.27	10.4	-	0.08	0.72	2.39	1.85	8.61	-	0.06	0.87	2.42	2.33	8.30
1980	-	0.09	1.65	1.95	7.25	11.0	-	0.07	0.87	2.42	2.33	8.30	-	0.07	0.77	2.21	2.87	8.40
1985	-	0.09	1.79	1.94	6.88	10.5	-	0.05	0.77	2.21	2.87	8.40	-	0.05	0.77	2.21	2.87	8.40
1990	-	0.08	1.69	2.01	6.88	10.5	-	0.05	0.77	2.21	2.87	8.40	-	0.05	0.77	2.21	2.87	8.40
1995	-	0.07	1.50	1.96	6.88	10.5	-	0.05	0.77	2.21	2.87	8.40	-	0.05	0.77	2.21	2.87	8.40
2000	-	0.07	1.35	1.94	6.88	10.5	-	0.05	0.77	2.21	2.87	8.40	-	0.05	0.77	2.21	2.87	8.40

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**DENMARK: 1952-2000**

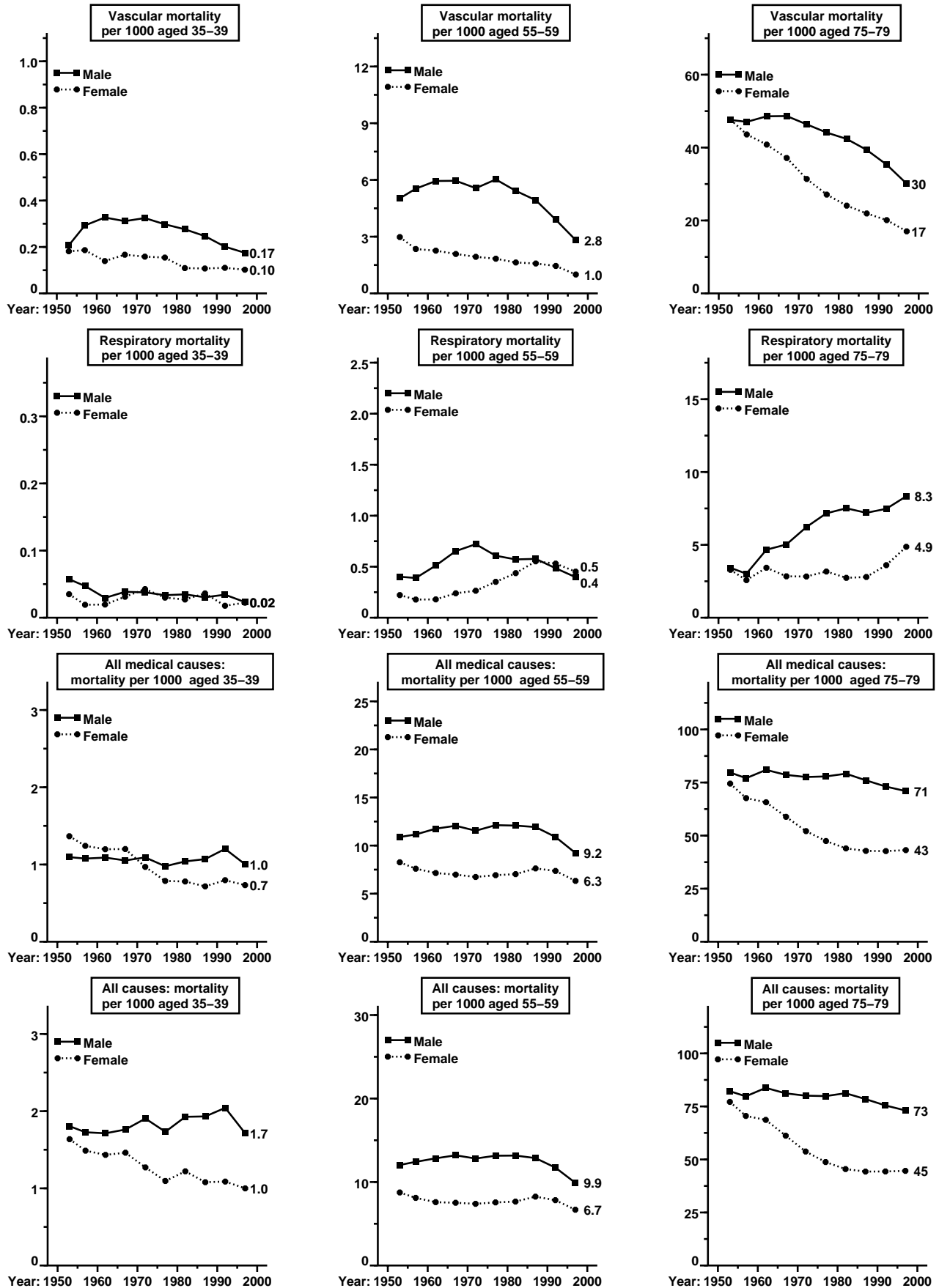
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 152-153

1952-2000: DENMARK

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 152-153

## ESTONIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	9265	546	4963	1596.3	179.7	2050.0	266.0	42.3	34.5	90.6	237.0	251.6	335.6
	F	9138	202	2315	790.8	72.5	734.3	193.9	31.5	17.2	41.2	49.7	65.5	108.4
Tuberculosis	M	84	9	70	13.5	2.9	25.7	-	-	-	-	4.2	-	16.1
	F	22	2	18	2.8	0.6	5.3	-	-	-	-	-	-	4.4
HIV	M	3	-	3	0.5	-	1.0	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	19	7	11	3.2	2.6	4.4	9.6	2.5	-	-	4.2	2.1	-
	F	19	3	9	2.2	1.3	2.9	6.8	-	-	-	2.2	-	-
ALL CANCER	M	1806	26	1025	298.4	8.5	451.5	9.6	5.0	3.6	1.9	14.6	6.3	18.4
	F	1559	22	737	151.1	7.2	232.9	6.8	2.6	-	2.0	4.3	8.5	26.5
Mouth and pharynx cancer	M	81	-	59	13.5	-	24.5	-	-	-	-	-	-	-
	F	18	-	9	1.7	-	2.9	-	-	-	-	-	-	-
Oesophagus cancer	M	38	-	25	6.4	-	10.3	-	-	-	-	-	-	-
	F	5	-	-	0.4	-	-	-	-	-	-	-	-	-
Stomach cancer	M	206	1	113	33.8	0.3	49.9	-	-	-	-	-	-	2.3
	F	161	1	58	14.2	0.3	18.3	-	-	-	-	-	2.1	-
Colorectal cancer	M	159	-	77	26.9	-	35.0	-	-	-	-	-	-	-
	F	204	-	74	17.7	-	23.8	-	-	-	-	-	-	-
Liver cancer	M	52	1	34	8.6	0.5	15.1	3.2	-	-	-	-	-	-
	F	41	-	19	3.9	-	6.2	-	-	-	-	-	-	-
Pancreas cancer	M	87	1	58	14.4	0.3	24.7	-	-	-	-	-	-	2.3
	F	83	-	39	7.7	-	12.6	-	-	-	-	-	-	-
Larynx cancer	M	32	-	21	5.2	-	9.2	-	-	-	-	-	-	-
	F	2	-	2	0.2	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	566	1	362	89.8	0.3	162.3	-	-	-	-	-	2.1	-
	F	121	-	45	10.8	-	14.5	-	-	-	-	-	-	-
Malignant melanoma	M	16	1	7	2.6	0.3	3.1	-	-	-	-	-	-	2.3
	F	35	-	18	3.3	-	5.7	-	-	-	-	-	-	-
Female breast cancer	F	277	5	183	30.7	1.6	56.6	-	-	-	-	-	-	11.1
Cervix cancer	F	61	2	37	6.9	0.6	11.3	-	-	-	-	-	-	4.4
Other uterine cancer	F	70	-	33	6.6	-	10.3	-	-	-	-	-	-	-
Ovarian cancer	F	111	-	66	11.5	-	21.1	-	-	-	-	-	-	-
Prostate cancer	M	180	-	50	32.8	-	23.7	-	-	-	-	-	-	-
Bladder cancer	M	54	-	19	9.3	-	8.9	-	-	-	-	-	-	-
	F	28	-	5	2.3	-	1.6	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	243	14	152	40.2	4.6	63.8	6.4	2.5	1.8	-	10.4	4.2	6.9
	F	231	9	105	22.5	3.0	33.5	3.4	2.6	-	-	4.3	2.1	8.8
Hodgkin's disease	M	2	1	1	0.3	0.3	0.4	-	-	-	-	-	-	2.3
	F	3	1	1	0.3	0.3	0.3	-	-	-	-	-	2.1	-
Myeloma and non- Hodgkin lymphomas	M	45	-	28	7.2	-	12.1	-	-	-	-	-	-	-
	F	60	-	25	5.5	-	7.8	-	-	-	-	-	-	-
Leukaemia	M	45	6	19	7.5	1.8	8.4	-	2.5	1.8	1.9	4.2	-	2.3
	F	48	4	18	4.7	1.4	5.8	3.4	-	-	2.0	-	2.1	2.2
Diabetes	M	55	1	32	9.3	0.3	13.9	-	-	-	-	-	2.1	-
	F	71	4	30	6.5	1.3	9.5	-	-	-	-	-	-	8.8
ALL VASCULAR DISEASE	M	4296	24	1987	760.0	7.5	854.6	3.4	-	1.8	-	8.3	16.9	25.3
	F	5686	10	938	448.8	3.2	302.3	-	-	1.9	2.0	-	8.5	6.6
Rheumatic heart disease and fever	M	24	-	22	3.8	-	9.2	-	-	-	-	-	-	-
	F	40	2	21	3.9	0.6	6.7	-	-	-	-	-	2.1	2.2
Hypertensive disease	M	133	1	78	22.4	0.3	34.1	-	-	-	-	-	2.1	-
	F	199	-	53	16.4	-	17.3	-	-	-	-	-	-	-
Ischaemic heart disease	M	2576	7	1097	462.7	2.3	478.8	-	-	-	-	2.1	-	13.8
	F	3364	2	448	259.4	0.6	146.0	-	-	1.9	-	-	-	2.2
Pulmonary embolism and other venous	M	26	-	21	4.0	-	8.9	-	-	-	-	-	-	-
	F	42	-	12	3.7	-	3.7	-	-	-	-	-	-	-
Cerebrovascular disease	M	1112	6	460	196.5	1.9	201.2	-	-	-	-	-	6.3	6.9
	F	1792	2	287	141.0	0.8	92.3	3.4	-	-	2.0	-	-	-
Other vascular disease	M	425	10	309	70.6	3.0	122.3	-	-	1.8	-	6.2	8.5	4.6
	F	249	4	117	24.3	1.2	36.3	-	-	-	-	-	6.3	2.2
Chronic obstructive pulmonary disease	M	160	1	63	26.9	0.3	29.0	-	-	-	1.9	-	-	-
	F	69	1	18	5.8	0.3	5.8	-	-	-	-	-	2.1	-
Other respiratory disease	M	273	10	204	46.0	3.4	78.4	6.4	-	-	-	2.1	6.3	9.2
	F	107	9	43	11.3	3.7	13.5	17.0	2.6	-	-	2.2	2.1	2.2
Peptic ulcer	M	54	-	39	9.0	-	16.6	-	-	-	-	-	-	-
	F	28	-	9	2.5	-	2.8	-	-	-	-	-	-	-
Liver cirrhosis	M	171	8	145	27.7	2.6	55.2	-	-	-	-	2.1	2.1	13.8
	F	95	1	72	11.1	0.3	22.1	-	-	-	-	-	2.1	-
Renal disease	M	53	1	25	9.2	0.3	11.2	-	-	-	-	-	-	2.3
	F	91	1	27	7.6	0.4	8.7	-	2.6	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	5	3	2	0.7	0.9	0.6	-	-	-	2.0	2.2	-	2.2
	M	59	55	4	14.1	24.3	1.7	160.3	2.5	3.6	1.9	-	2.1	-
	F	46	39	4	10.8	18.2	1.2	115.6	5.2	-	-	2.2	4.2	-
Ill-defined causes	M	288	13	114	56.4	4.1	44.1	3.2	-	1.8	1.9	10.4	2.1	9.2
	F	534	3	28	40.3	1.1	9.1	3.4	-	-	-	-	2.1	2.2
Other medical causes	M	335	24	191	56.9	8.1	75.0	16.0	5.0	3.6	1.9	6.2	14.8	9.2
	F	323	12	115	30.4	3.8	36.5	3.4	2.6	5.7	3.9	2.2	2.1	6.6
ALL NON- MEDICAL CAUSES	M	1609	367	1050	265.2	114.7	387.8	60.9	27.4	20.0	81.1	185.0	196.6	232.2
	F	483	92	265	59.0	30.2	81.0	37.4	15.7	9.5	31.4	34.6	33.8	48.7
Road traffic accidents	M	166	76	80	25.5	22.8	28.9	-	2.5	7.3	28.3	49.9	25.4	46.0
	F	58	22	25	7.4	6.6	7.8	-	-	3.8	9.8	13.0	6.3	13.3
Fire	M	104	14	71	17.6	4.9	27.7	9.6	7.5	1.8	-	4.2	2.1	9.2
	F	47	7	22	5.7	2.7	6.6	10.2	2.6	1.9	-	-	-	4.4
Suicide	M	289	68	194	46.1	20.5	69.6	-	-	-	24.5	35.3	46.5	36.8
	F	88	18	46	10.1	5.3	14.2	-	-	1.9	9.8	2.2	16.9	6.6
Homicide	M	156	51	92	25.3	15.9	33.5	3.2	5.0	-	11.3	14.6	38.1	39.1
	F	34	9	16	4.3	2.9	4.7	3.4	-	-	2.0	6.5	6.3	2.2
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		630.3	318.4	271.6	31.2	40.2	55.1	53.0	48.1	47.3	43.5
			<b>F=female</b>		736.7	309.7	330.3	29.4	38.1	52.4	51.0	46.3	47.3	45.2

## 2000: ESTONIA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
480.7	909.1	1290.5	1677.7	2271.6	3297.7	4422.8	6328.6	8233.6	18397.6	M	ALL CAUSES	001-999/A00-Y89
165.3	240.8	429.1	560.8	902.4	1051.9	1790.0	3205.0	5288.7	13768.1	F		
21.5	25.4	29.3	30.7	27.8	23.1	22.1	14.1	-	24.1	M	Tuberculosis	010-018, 137/ A15-A19, B90
6.0	9.6	7.9	4.3	-	2.1	7.2	-	-	7.2	F		
2.1	-	2.3	-	-	2.9	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
-	2.1	6.8	-	3.1	11.6	7.4	4.7	-	-	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	-	-	-	7.3	8.3	4.8	7.5	6.9	7.2	F		
34.3	59.2	139.6	266.0	527.8	861.3	1272.1	1732.4	1962.6	2120.5	M	ALL CANCER	140-208/C00-C97
42.3	82.9	131.9	230.3	319.5	348.5	474.9	705.0	838.5	992.8	F		
4.3	2.1	4.5	28.1	43.2	63.6	25.7	51.6	46.7	72.3	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	-	4.3	4.9	6.2	4.8	7.5	6.9	14.5	F		
2.1	2.1	2.3	12.8	21.6	20.2	11.0	28.2	37.4	36.1	M	Oesophagus cancer	150/C15
-	-	-	-	-	-	-	7.5	-	7.2	F		
-	6.3	18.0	35.8	64.8	80.9	143.4	239.4	224.3	204.8	M	Stomach cancer	151/C16
4.0	11.6	9.8	8.5	14.6	29.0	50.1	87.5	113.4	123.2	F		
2.1	6.3	4.5	7.7	30.9	72.3	121.3	150.2	243.0	289.2	M	Colorectal cancer	153, 154/C18-C21
2.0	3.9	7.9	10.7	24.4	41.5	76.4	102.5	116.8	199.3	F		
-	-	4.5	2.6	21.6	40.5	36.8	28.2	74.8	36.1	M	Liver cancer	155.0, 155.1/C22
-	-	-	6.4	14.6	8.3	14.3	17.5	20.6	32.6	F		
2.1	2.1	15.8	23.0	18.5	49.1	62.5	51.6	84.1	96.4	M	Pancreas cancer	157/C25
-	-	5.9	10.7	14.6	18.7	38.2	35.0	51.5	54.3	F		
-	-	4.5	5.1	21.6	14.5	18.4	37.6	18.7	12.0	M	Larynx cancer	161/C32
-	-	2.0	-	-	-	2.4	-	-	-	F		
2.1	14.8	42.8	92.1	166.7	306.4	511.0	600.9	495.3	265.1	M	Lung cancer	162/C33, C34
2.0	5.8	2.0	12.8	22.0	16.6	40.6	77.5	110.0	47.1	F		
-	2.1	2.3	2.6	-	-	14.7	18.8	28.0	12.0	M	Malignant melanoma	172/C43
-	-	3.9	6.4	4.9	8.3	16.7	17.5	24.1	10.9	F		
12.1	30.8	61.0	72.5	80.5	74.7	64.4	90.0	79.0	108.7	F	Female breast cancer	174/C50
8.1	7.7	11.8	17.1	17.1	12.4	4.8	20.0	20.6	29.0	F	Cervix cancer	180/C53
4.0	3.9	3.9	10.7	9.8	20.7	19.1	35.0	34.4	47.1	F	Other uterine cancer	179, 182/C54, C55
2.0	13.5	3.9	17.1	48.8	29.0	33.4	27.5	58.4	61.6	F	Ovarian cancer	183.0/C56
-	-	-	2.6	18.5	49.1	95.6	197.2	327.1	638.6	M	Prostate cancer	185/C61
-	-	-	-	15.4	17.3	29.4	65.7	121.5	96.4	M	Bladder cancer	188/C67
-	1.9	-	-	4.9	2.1	2.4	7.5	24.1	47.1	F		
19.3	14.8	29.3	51.2	86.4	109.8	136.0	183.1	158.9	253.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
2.0	1.9	11.8	40.5	46.3	58.1	74.0	97.5	137.5	137.7	F	Hodgkin's disease	201/C81
-	-	-	-	3.1	-	-	-	-	-	M		
-	-	-	-	-	2.1	-	-	-	3.6	F		
-	6.3	4.5	2.6	15.4	23.1	33.1	46.9	46.7	24.1	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
4.0	1.9	5.9	4.3	7.3	16.6	14.3	42.5	17.2	47.1	F	Leukaemia	204-208/C91-C95
2.1	2.1	6.8	-	-	14.5	33.1	32.9	56.1	84.3	M		
2.0	-	2.0	8.5	4.9	4.1	19.1	32.5	24.1	21.7	F		
-	4.2	6.8	23.0	3.1	8.7	51.5	42.3	56.1	84.3	M	Diabetes	250/E10-E14
2.0	-	3.9	2.1	4.9	24.9	28.6	40.0	44.7	29.0	F		
81.5	217.8	409.9	570.3	975.3	1502.9	2224.3	3615.0	5074.8	11710.8	M	ALL VASCULAR DISEASE	390-459/I00-I99
26.2	55.9	104.3	159.9	309.8	462.7	997.6	2085.0	3817.9	10119.6	F		
2.1	6.3	2.3	2.6	18.5	14.5	18.4	9.4	-	-	M	Rheumatic heart disease and fever	390-398/I00-I09
2.0	-	2.0	4.3	7.3	12.4	19.1	20.0	10.3	21.7	F		
2.1	10.6	18.0	15.3	34.0	52.0	106.6	108.0	102.8	241.0	M	Hypertensive disease	401-405/I10-I15
-	1.9	2.0	6.4	24.4	29.0	57.3	82.5	175.3	224.6	F		
32.2	105.7	164.4	268.5	601.9	896.0	1283.1	2197.2	3186.9	7988.0	M	Ischaemic heart disease	410-414/I20-I25
6.0	13.5	33.5	57.6	139.0	213.7	558.5	1190.0	2147.8	6568.8	F		
-	4.2	9.0	5.1	3.1	11.6	29.4	18.8	-	12.0	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
2.0	1.9	7.9	4.3	2.4	-	7.2	30.0	30.9	32.6	F		
17.2	29.6	85.6	125.3	188.3	381.5	580.9	1084.5	1486.0	3084.3	M	Cerebrovascular disease	430-438/I60-I69
10.1	9.6	31.5	61.8	85.4	147.3	300.7	695.0	1340.2	3025.4	F		
27.9	61.3	130.6	153.5	129.6	147.4	205.9	197.2	299.1	385.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
6.0	28.9	27.6	25.6	51.2	60.2	54.9	67.5	113.4	246.4	F		
-	2.1	-	15.3	21.6	60.7	102.9	211.3	261.7	277.1	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
4.0	1.9	3.9	-	4.9	2.1	23.9	20.0	61.9	87.0	F	Other respiratory disease	Rest of 460-519/ rest of J00-J98
25.8	63.4	85.6	94.6	77.2	95.4	106.6	84.5	121.5	337.3	M		
4.0	7.7	7.9	12.8	19.5	16.6	26.3	27.5	51.5	105.1	F		
2.1	8.5	11.3	7.7	30.9	11.6	44.1	28.2	56.1	36.1	M	Peptic ulcer	531-533/K25-K27
-	3.9	2.0	4.3	-	-	9.5	7.5	10.3	47.1	F		
21.5	42.3	45.0	92.1	55.6	75.1	55.1	46.9	46.7	36.1	M	Liver cirrhosis	571/K70, K74
6.0	13.5	35.4	14.9	39.0	29.0	16.7	30.0	17.2	18.1	F		
2.1	-	4.5	10.2	6.2	11.6	44.1	51.6	37.4	144.6	M	Renal disease	580-590/N00-N19
2.0	1.9	2.0	2.1	4.9	12.4	35.8	25.0	61.9	126.8	F		
4.0	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
-	3.9	-	-	2.4	-	2.4	2.5	3.4	3.6	F	Ill-defined causes	780-799/R00-R99
17.2	29.6	49.5	48.6	30.9	66.5	66.2	84.5	102.8	1590.4	M		
2.0	1.9	5.9	-	17.1	10.4	26.3	37.5	85.9	1677.5	F		
36.5	50.7	67.6	71.6	61.7	101.2	136.0	220.7	252.3	554.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
10.1	3.9	33.5	34.1	63.4	43.6	66.8	127.5	202.7	311.6	F		
236.1	401.7	430.2	447.6	450.6	465.3	283.1	192.5	261.7	1481.9	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
56.5	53.9	90.6	95.9	109.8	91.3	69.2	90.0	85.9	235.5	F		
27.9	27.5	36.0	23.0	34.0	46.2	7.4	28.2	18.7	24.1	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.0	3.9	11.8	4.3	19.5	4.1	7.2	7.5	27.5	-	F		
12.9	23.3	22.5	30.7	18.5	34.7	51.5	23.5	18.7	144.6	M	Fire	E890-E899/X00-X09
2.0	3.9	9.8	12.8	7.3	8.3	2.4	12.5	10.3	36.2	F		
38.6	95.1	103.6	69.1	83.3	60.7	36.8	37.6	102.8	96.4	M	Suicide	E950-E959/X60-X84
10.1	11.6	11.8	10.7	14.6	14.5	26.3	35.0	10.3	25.4	F		
30.0	40.2	31.5	35.8	34.0	37.6	25.7	9.4	-	132.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
2.0	5.8	13.8	2.1	4.9	2.1	2.4	5.0	-	25.4	F		
46.6	47.3	44.4	39.1	32.4	34.6	27.2	21.3	10.7	8.3	M	POPULATION	
49.6	51.9	50.8	46.9	41.0	48.2	41.9	40.0	29.1	27.6	F	(1000s; UN, 2004 revision)	

## ESTONIA: 1995, 2000

## Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	918	37	0	1	36	0	16	50	5	203	607
35-69	Sm.	2188	675	430	97	148	95	89	1076	-	253	-
	Total	6383 (34%)	1208 (56%)	449 (96%)	129 (75%)	630 (23%)	112 (85%)	204 (44%)	2654 (41%)	96	582 (43%)	1527
70+	Sm.	611	224	150	20	54	55	5	293	-	34	-
	Total	3532 (17%)	591 (38%)	163 (92%)	34 (59%)	394 (14%)	75 (73%)	36 (14%)	2330 (13%)	12	333 (10%)	155
Any age	Sm.	2799	899	580	117	202	150	94	1369	-	287	-
	Total	10833 (26%)	1836 (49%)	612 (95%)	164 (71%)	1060 (19%)	187 (80%)	256 (37%)	5034 (27%)	113	1118 (26%)	2289
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	546	26	1	0	25	1	10	24	8	110	367
35-69	Sm.	1557	532	344	73	115	54	77	712	-	182	-
	Total	4963 (31%)	1025 (52%)	362 (95%)	105 (70%)	558 (21%)	63 (86%)	204 (38%)	1987 (36%)	145	489 (37%)	1050
70+	Sm.	763	292	188	29	75	73	8	341	-	49	-
	Total	3756 (20%)	755 (39%)	203 (93%)	46 (63%)	506 (15%)	96 (76%)	59 (14%)	2285 (15%)	18	351 (14%)	192
Any age	Sm.	2320	824	532	102	190	127	85	1053	-	231	-
	Total	9265 (25%)	1806 (46%)	566 (94%)	151 (68%)	1089 (17%)	160 (79%)	273 (31%)	4296 (25%)	171	950 (24%)	1609

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	670.4	349.2	286.9	51.8	49.2	43.5	37.9	40.8	35.3	28.4	15.8	8.5	10.0
2000	630.3	318.4	271.6	46.6	47.3	44.4	39.1	32.4	34.6	27.2	21.3	10.7	8.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	10833	918	6383	419	557	655	815	1194	1318	1425	1040	797	1695
2000	9265	546	4963	224	430	573	656	736	1141	1203	1348	881	1527
<b>Lung cancer</b>													
1995	612	-	449	1	10	21	49	90	134	144	108	31	24
2000	566	1	362	1	7	19	36	54	106	139	128	53	22
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1816.7*	273.7*	2467.8*	808.9	1132.1	1505.7	2150.4	2926.5	3733.7	5017.6	6582.3	9376.5	16950.0
2000	1596.3*	179.7*	2050.0*	480.7	909.1	1290.5	1677.7	2271.6	3297.7	4422.8	6328.6	8233.6	18397.6
<b>All cancer</b>													
1995	305.1*	10.7*	493.7*	44.4	77.2	179.3	358.8	605.4	926.3	1264.1	1778.5	1670.6	1680.0
2000	298.4*	8.5*	451.5*	34.3	59.2	139.6	266.0	527.8	861.3	1272.1	1732.4	1962.6	2120.5
<b>Lung cancer</b>													
1995	99.1*	-	186.7*	1.9	20.3	48.3	129.3	220.6	379.6	507.0	683.5	364.7	240.0
2000	89.8*	0.3*	162.3*	2.1	14.8	42.8	92.1	166.7	306.4	511.0	600.9	495.3	265.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	26.7*	0.3*	49.8*	5.8	10.2	50.6	63.3	66.2	68.0	84.5	126.6	35.3	110.0
2000	25.0*	-	44.0*	6.4	4.2	11.3	46.0	86.4	98.3	55.1	117.4	102.8	120.5
<b>Other cancer</b>													
1995	179.3*	10.4*	257.1*	36.7	46.7	80.5	166.2	318.6	478.8	672.5	968.4	1270.6	1330.0
2000	183.6*	8.2*	245.2*	25.8	40.2	85.6	127.9	274.7	456.6	705.9	1014.1	1364.5	1734.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	31.7*	-	47.3*	1.9	2.0	11.5	15.8	58.8	96.3	144.4	221.5	258.8	180.0
2000	26.9*	0.3*	29.0*	-	2.1	-	15.3	21.6	60.7	102.9	211.3	261.7	277.1
<b>Other respiratory disease</b>													
1995	41.0*	4.9*	75.6*	23.2	52.8	62.1	87.1	107.8	90.7	105.6	50.6	105.9	190.0
2000	46.0*	3.4*	78.4*	25.8	63.4	85.6	94.6	77.2	95.4	106.6	84.5	121.5	337.3
<b>Vascular disease</b>													
1995	880.7*	14.8*	1077.1*	115.8	298.8	446.0	841.7	1201.0	1844.2	2792.3	3936.7	6188.2	11820.0
2000	760.0*	7.5*	854.6*	81.5	217.8	409.9	570.3	975.3	1502.9	2224.3	3615.0	5074.8	11710.8
<b>Liver cirrhosis</b>													
1995	17.8*	1.5*	34.2*	9.7	28.5	46.0	29.0	58.8	42.5	24.6	25.3	47.1	40.0
2000	27.7*	2.6*	55.2*	21.5	42.3	45.0	92.1	55.6	75.1	55.1	46.9	46.7	36.1
<b>Other medical causes</b>													
1995	190.9*	65.0*	215.1*	98.5	119.9	206.9	208.4	291.7	277.6	302.8	291.1	776.5	2210.0
2000	172.1*	42.7*	193.6*	81.5	122.6	180.2	191.8	163.6	237.0	378.7	446.0	504.7	2433.7
<b>All non-medical causes</b>													
1995	349.5*	176.7*	524.9*	515.4	552.8	554.0	609.5	602.9	456.1	383.8	278.5	329.4	830.0
2000	265.2*	114.7*	387.8*	236.1	401.7	430.2	447.6	450.6	465.3	283.1	192.5	261.7	1481.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: ESTONIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	291	30	0	0	30	2	18	11	2	105	123
35-69	Sm.	157	40	30	5	5	11	1	90	-	15	-
	Total	2854	751	62	22	667	32	50	1264	76	315	366
		(6%)	(5%)	(48%)	(23%)	(1%)	(34%)	(2%)	(7%)		(5%)	
70+	Sm.	103	19	14	2	3	14	0	61	-	9	-
	Total	6850	663	39	18	606	58	28	5147	17	807	130
		(2%)	(3%)	(36%)	(11%)	(0%)	(24%)	(0%)	(1%)		(1%)	
Any age	Sm.	260	59	44	7	8	25	1	151	-	24	-
	Total	9995	1444	101	40	1303	92	96	6422	95	1227	619
		(3%)	(4%)	(44%)	(18%)	(1%)	(27%)	(1%)	(2%)		(2%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	202	22	0	0	22	1	9	10	1	67	92
35-69	Sm.	77	21	17	1	3	6	1	39	-	10	-
	Total	2315	737	45	11	681	18	43	938	72	242	265
		(3%)	(3%)	(38%)	(9%)	(0%)	(33%)	(2%)	(4%)		(4%)	
70+	Sm.	354	67	50	5	12	28	3	219	-	37	-
	Total	6621	800	76	14	710	50	55	4738	22	830	126
		(5%)	(8%)	(66%)	(36%)	(2%)	(56%)	(5%)	(5%)		(4%)	
Any age	Sm.	431	88	67	6	15	34	4	258	-	47	-
	Total	9138	1559	121	25	1413	69	107	5686	95	1139	483
		(5%)	(6%)	(55%)	(24%)	(1%)	(49%)	(4%)	(5%)		(4%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	776.4	340.8	346.8	54.8	53.5	49.3	44.1	51.0	46.9	47.2	36.6	20.2	32.0
2000	736.7	309.7	330.3	49.6	51.9	50.8	46.9	41.0	48.2	41.9	40.0	29.1	27.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	9995	291	2854	114	175	216	271	481	618	979	1234	1130	4486
2000	9138	202	2315	82	125	218	263	370	507	750	1282	1539	3800
<b>Lung cancer</b>													
1995	101	-	62	1	-	4	4	5	20	28	18	10	11
2000	121	-	45	1	3	1	6	9	8	17	31	32	13
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	858.2*	92.5*	846.1*	208.0	327.1	438.1	614.5	943.1	1317.7	2074.2	3371.6	5594.1	14018.8
2000	790.8*	72.5*	734.3*	165.3	240.8	429.1	560.8	902.4	1051.9	1790.0	3205.0	5288.7	13768.1
<b>All cancer</b>													
1995	139.7*	8.6*	222.8*	42.0	84.1	107.5	154.2	270.6	405.1	495.8	625.7	821.8	837.5
2000	151.1*	7.2*	232.9*	42.3	82.9	131.9	230.3	319.5	348.5	474.9	705.0	838.5	992.8
<b>Lung cancer</b>													
1995	9.6*	-	18.7*	1.8	-	8.1	9.1	9.8	42.6	59.3	49.2	49.5	34.4
2000	10.8*	-	14.5*	2.0	5.8	2.0	12.8	22.0	16.6	40.6	77.5	110.0	47.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.7*	-	6.7*	-	-	-	6.8	5.9	17.1	16.9	8.2	14.9	37.5
2000	2.3*	-	3.5*	-	-	2.0	4.3	4.9	6.2	7.2	15.0	6.9	21.7
<b>Other cancer</b>													
1995	126.5*	8.6*	197.4*	40.1	84.1	99.4	138.3	254.9	345.4	419.5	568.3	757.4	765.6
2000	137.9*	7.2*	214.9*	40.3	77.1	128.0	213.2	292.7	325.7	427.2	612.5	721.6	923.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	8.4*	0.6*	9.6*	-	1.9	6.1	4.5	7.8	25.6	21.2	57.4	79.2	65.6
2000	5.8*	0.3*	5.8*	4.0	1.9	3.9	-	4.9	2.1	23.9	20.0	61.9	87.0
<b>Other respiratory disease</b>													
1995	11.0*	5.7*	14.6*	7.3	9.3	20.3	13.6	13.7	6.4	31.8	19.1	24.8	50.0
2000	11.3*	3.7*	13.5*	4.0	7.7	7.9	12.8	19.5	16.6	26.3	27.5	51.5	105.1
<b>Vascular disease</b>													
1995	502.1*	3.3*	378.9*	16.4	52.3	115.6	231.3	370.6	635.4	1230.9	2292.3	4084.2	10884.4
2000	448.8*	3.2*	302.3*	26.2	55.9	104.3	159.9	309.8	462.7	997.6	2085.0	3817.9	10119.6
<b>Liver cirrhosis</b>													
1995	11.0*	0.6*	22.4*	5.5	18.7	12.2	29.5	33.3	32.0	25.4	21.9	34.7	6.3
2000	11.1*	0.3*	22.1*	6.0	13.5	35.4	14.9	39.0	29.0	16.7	30.0	17.2	18.1
<b>Other medical causes</b>													
1995	111.3*	35.9*	92.8*	38.3	43.0	60.9	77.1	113.7	138.6	178.0	243.2	460.4	1953.1
2000	103.8*	27.5*	76.6*	26.2	25.0	55.1	46.9	100.0	101.7	181.4	247.5	415.8	2210.1
<b>All non-medical causes</b>													
1995	74.7*	37.8*	105.0*	98.5	117.8	115.6	104.3	133.3	74.6	91.1	112.0	89.1	221.9
2000	59.0*	30.2*	81.0*	56.5	53.9	90.6	95.9	109.8	91.3	69.2	90.0	85.9	235.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## ESTONIA: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.5	– / 0.2	–
35–69	1.6 / 5.0	0.1 / 2.3	20 years
70+	0.8 / 3.8	0.4 / 6.6	9 years
All ages	2.3 / 9.3	0.4 / 9.1	15 years

## Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/ 1	344/362	188/203	532/566	–/ 0	17/45	50/76	67/121
All Cancer	–/26	532/1025 (52%)	292/755 (39%)	824/1806	–/22	21/737 (3%)	67/800 (8%)	88/1559
Vascular	–/24	712/1987	341/2285	1053/4296	–/10	39/938	219/4738	258/5686
Respiratory	–/11	131/267	81/155	212/433	–/10	7/61	31/105	38/176
All Other	–/485	182/1684	49/561	231/2730	–/160	10/579	37/978	47/1717
All Causes	–/546	1557/4963 (31%)	763/3756 (20%)	2320/9265	–/202	77/2315 (3%)	354/6621 (5%)	431/9138

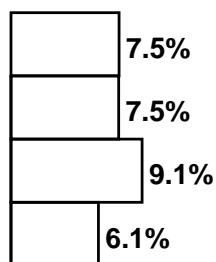
## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	0.8 / 1.8 (46%)	0.1 / 1.6 (6%)	0.9 / 3.4 (27%)
All Causes	2.3 / 9.3 (25%)	0.4 / 9.1 (5%)	2.8 / 18 (15%)



1985-2000: ESTONIA

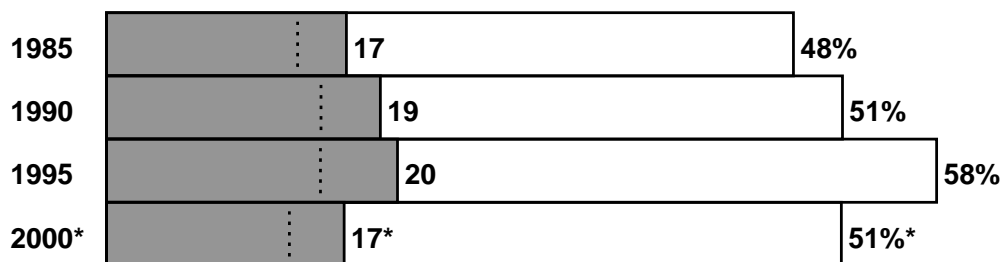
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

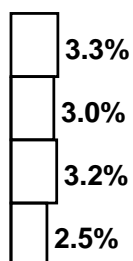
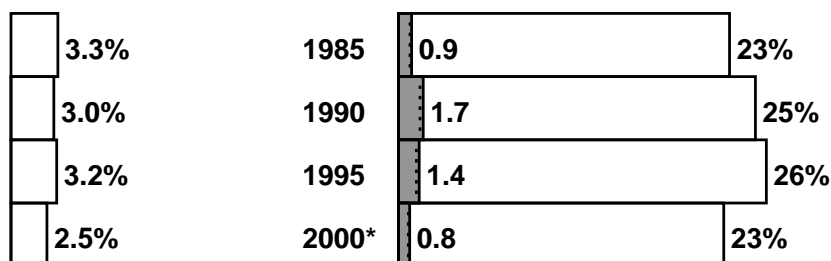
\*eg, at year 2000 male death rates, out of 100 men aged 35, 51 would die before age 70 (with 17 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## ESTONIA: 1980-2000

## Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/901	1550/4286 (36%)	617/3911 (16%)	2167/9098	-/373	93/2403 (4%)	132/7469 (2%)	225/10245
1990	-/930	1848/4891 (38%)	529/3603 (15%)	2377/9424	-/355	172/2666 (6%)	113/7085 (2%)	285/10106
1995	-/918	2188/6383 (34%)	611/3532 (17%)	2799/10833	-/291	157/2854 (6%)	103/6850 (2%)	260/9995
2000	-/546	1557/4963 (31%)	763/3756 (20%)	2320/9265	-/202	77/2315 (3%)	354/6621 (5%)	431/9138

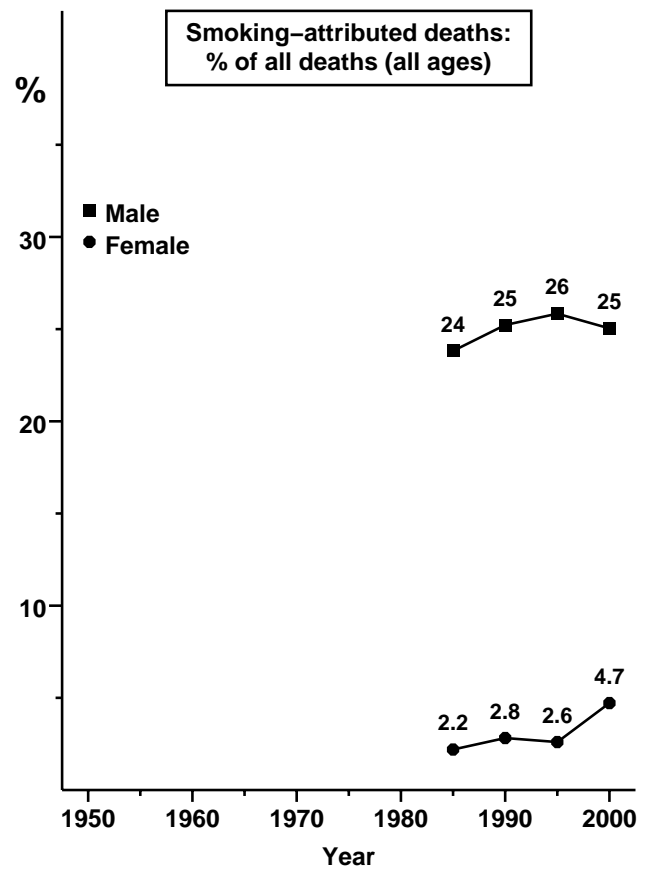
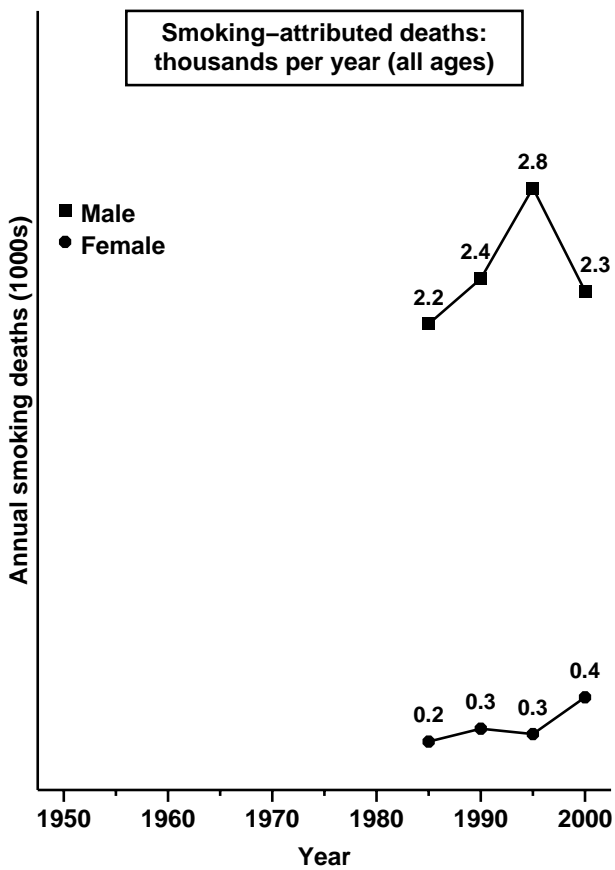
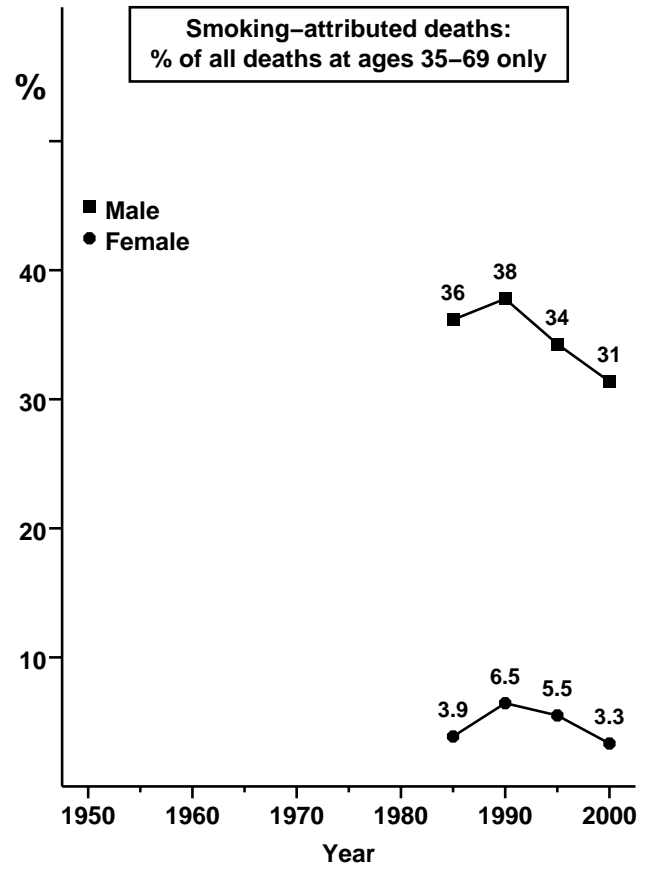
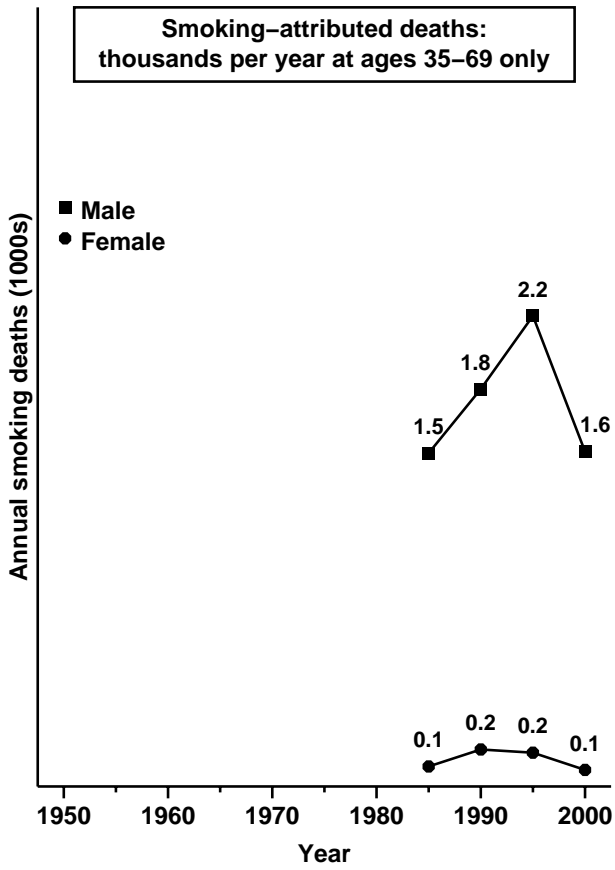
20-year total\* (thousands), mid-1980 to mid-2000: 55 / 402

1980-2000 by age & sex:

-/18	37/107 (35%)	12/74 (16%)	50/199	-/6.6	2.5/53 (5%)	2.3/143 (2%)	4.8/202
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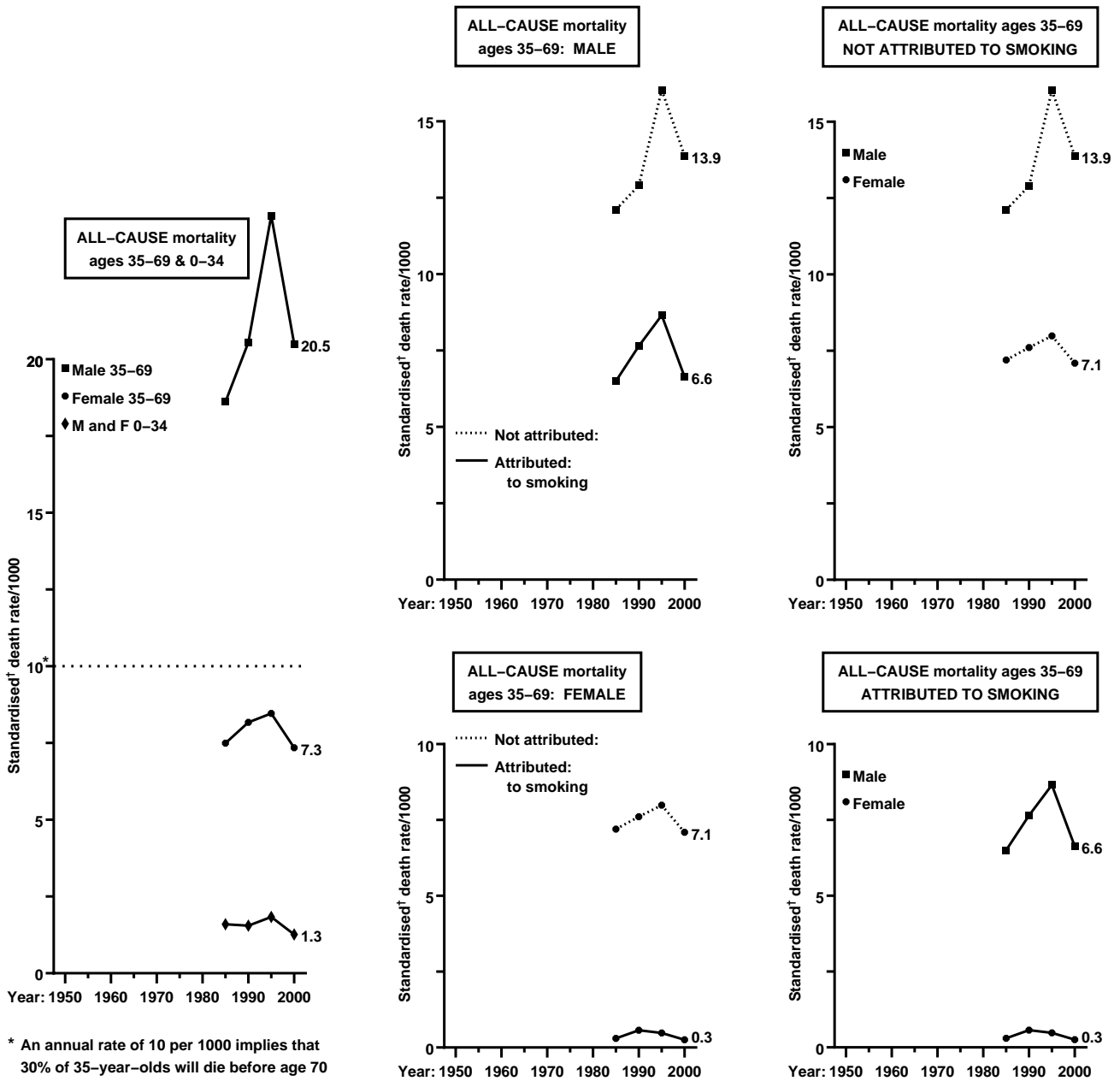
\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: ESTONIA



**ESTONIA: 1985-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**

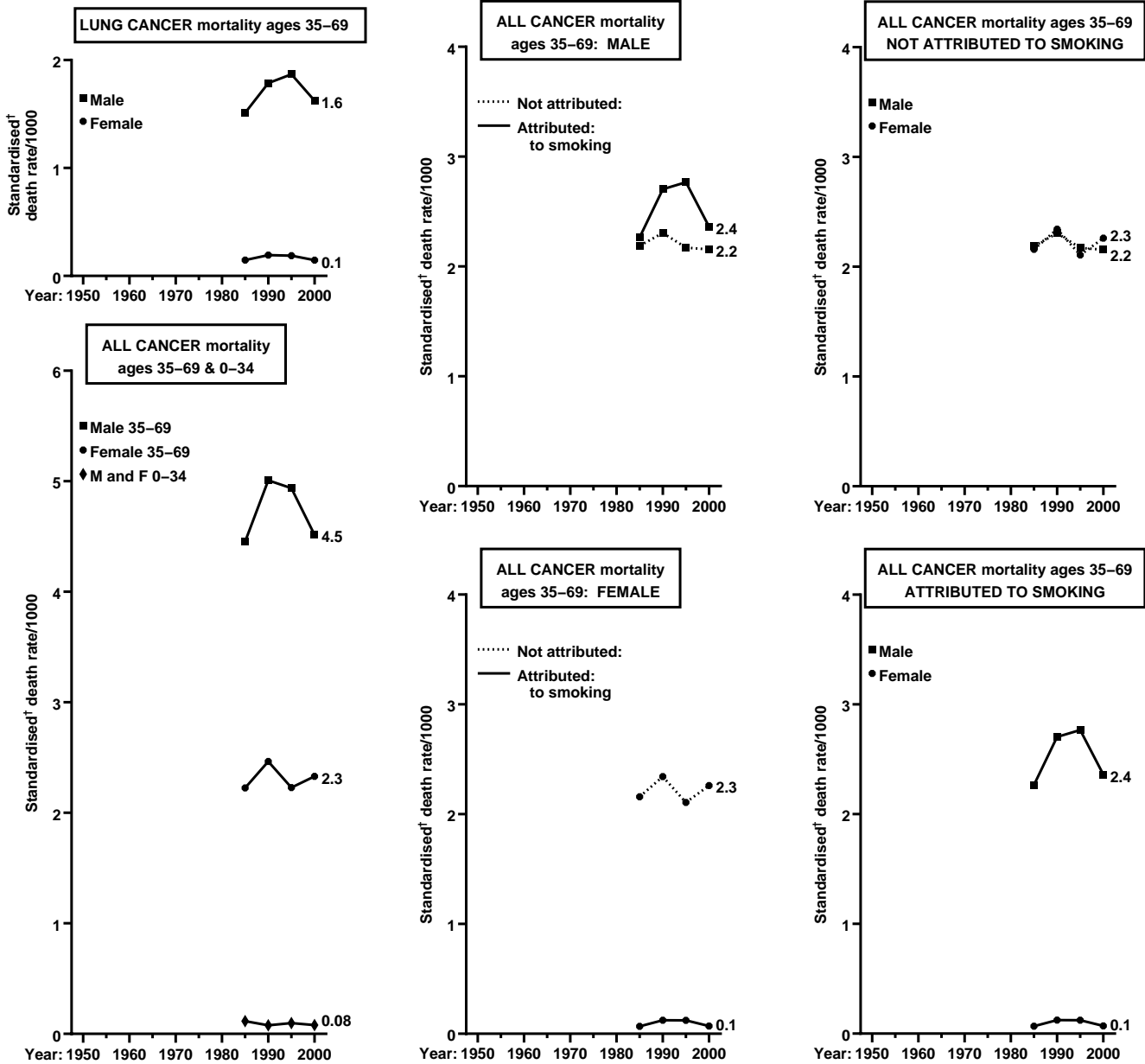


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1985	-	2.24	6.50	12.1	16.9	75.9	-	0.95	0.30	7.20	1.43	53.7	-	0.87	0.57	7.60	1.47	46.2
1990	-	2.23	7.65	12.9	14.8	63.9	-	0.93	0.48	7.98	1.02	43.8	-	0.72	0.25	7.09	2.76	39.7
1995	-	2.74	8.65	16.0	17.1	62.7	-	0.72	0.25	7.09	2.76	39.7	-	0.72	0.25	7.09	2.76	39.7
2000	-	1.80	6.63	13.9	17.2	55.6	-	0.72	0.25	7.09	2.76	39.7	-	0.72	0.25	7.09	2.76	39.7

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: ESTONIA

ALL CANCER mortality rates attributed and not attributed to smoking



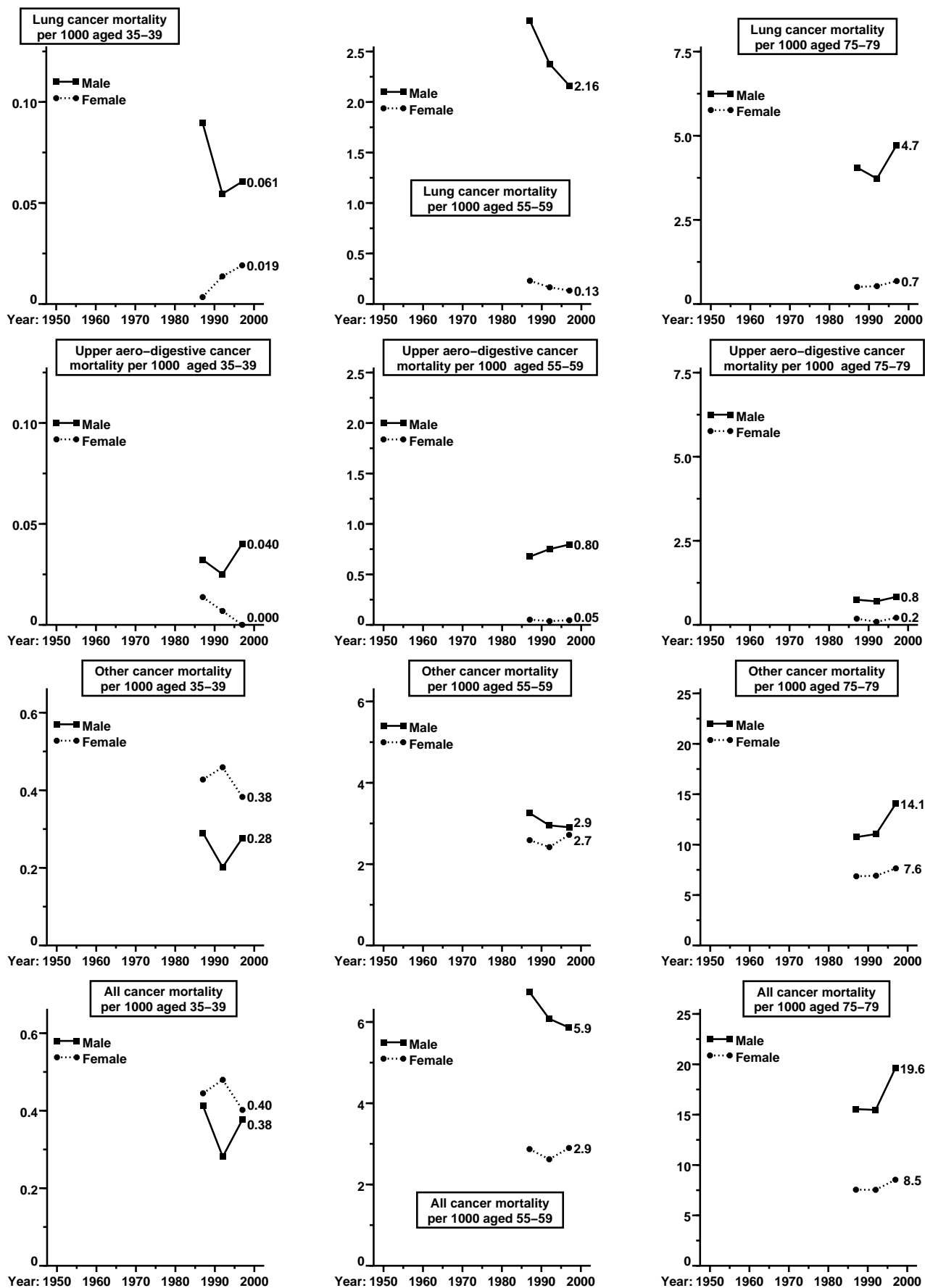
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	0.11	2.27	2.19	5.80	10.3	-	0.12	0.07	2.16	0.31	7.09	-	0.08	0.12	2.34
1990	-	0.08	2.70	2.30	5.61	9.66	-	0.08	0.12	2.34	0.35	6.69	-	0.09	0.12	2.11
1995	-	0.11	2.77	2.17	6.92	10.3	-	0.09	0.12	2.11	0.24	7.00	-	0.07	0.07	2.26
2000	-	0.08	2.36	2.15	7.52	11.0	-	0.07	0.07	2.26	0.79	6.93	-	0.07	0.07	2.26

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**ESTONIA: 1985-2000**

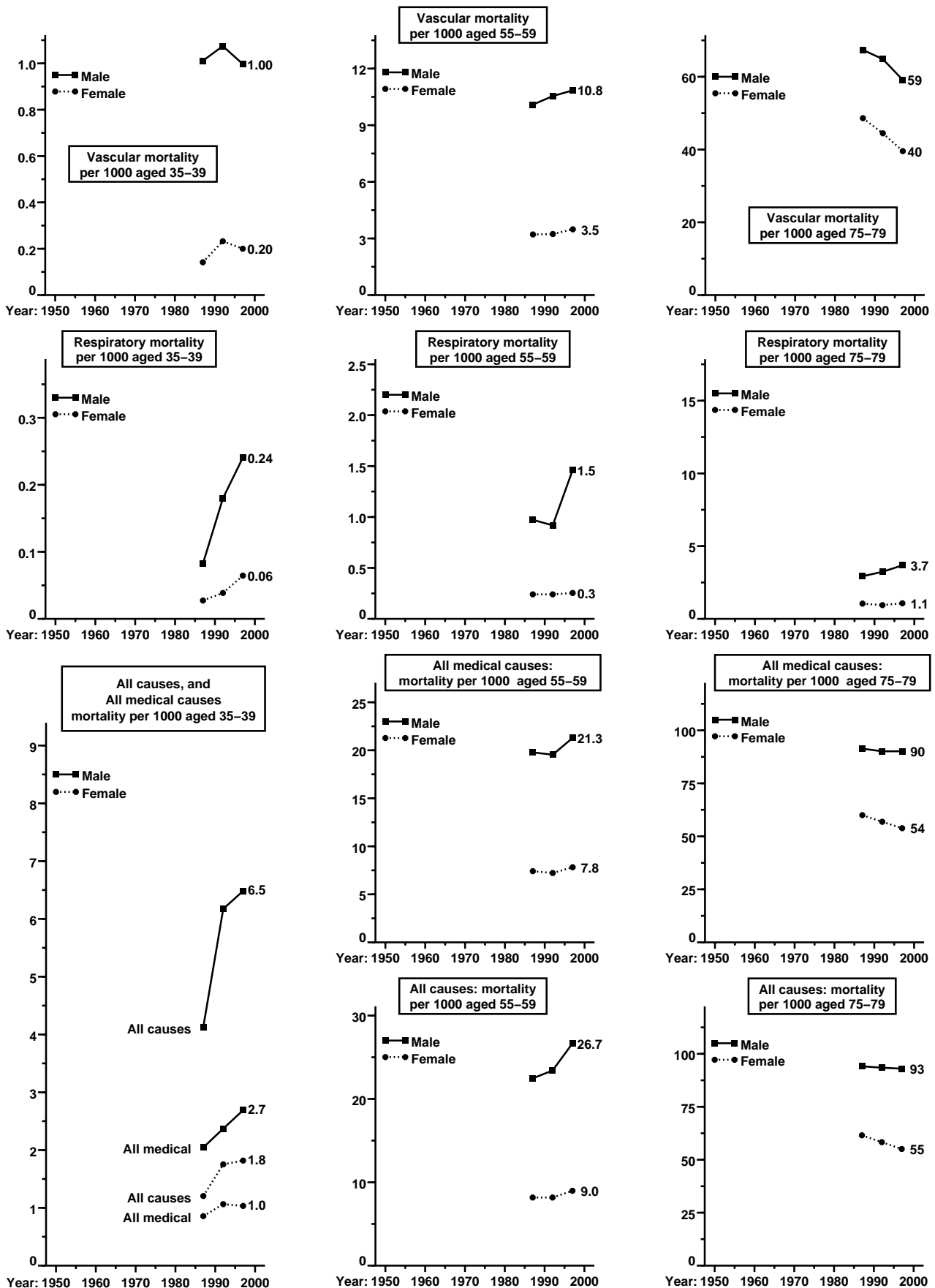
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 164-165

1985-2000: ESTONIA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 164-165

## FINLAND: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	24042	946	9122	921.1	81.6	922.8	97.0	11.4	13.6	71.3	117.6	115.5	145.1
	F	25274	418	4167	524.8	38.1	398.1	70.1	11.2	16.1	28.3	39.2	43.7	57.9
Tuberculosis	M	64	-	19	2.5	-	2.1	-	-	-	-	-	-	-
	F	65	-	7	1.3	-	0.7	-	-	-	-	-	-	-
HIV	M	8	-	8	0.3	-	0.6	-	-	-	-	-	-	-
	F	2	1	1	0.1	0.1	0.1	-	-	-	-	-	-	0.6
Other infective and parasitic	M	97	8	39	3.8	0.7	4.1	2.0	0.6	-	-	1.2	-	1.1
	F	157	9	26	3.5	0.9	2.4	3.5	1.2	-	-	1.2	-	-
ALL CANCER	M	5204	54	2130	196.8	4.6	231.1	2.7	2.4	1.9	4.7	5.4	7.1	8.3
	F	5030	57	1724	124.5	5.1	164.8	2.8	2.5	1.3	4.3	3.7	8.1	12.7
Mouth and pharynx cancer	M	90	-	60	3.4	-	6.1	-	-	-	-	-	-	-
	F	59	1	14	1.3	0.1	1.2	-	-	-	-	-	-	0.6
Oesophagus cancer	M	99	-	59	3.7	-	6.2	-	-	-	-	-	-	-
	F	77	-	13	1.6	-	1.4	-	-	-	-	-	-	-
Stomach cancer	M	317	2	127	12.1	0.2	13.6	-	-	-	-	-	-	1.1
	F	245	3	75	5.9	0.3	7.2	-	-	-	-	-	0.7	1.2
Colorectal cancer	M	462	2	198	17.6	0.2	22.1	-	-	-	-	-	0.6	0.6
	F	563	2	156	13.1	0.2	15.1	-	-	-	-	-	1.3	-
Liver cancer	M	127	1	49	4.8	0.1	5.6	-	-	-	-	-	-	0.6
	F	114	-	24	2.5	-	2.4	-	-	-	-	-	-	-
Pancreas cancer	M	327	-	167	12.4	-	18.3	-	-	-	-	-	-	-
	F	394	-	113	9.2	-	11.2	-	-	-	-	-	-	-
Larynx cancer	M	24	-	11	0.9	-	1.2	-	-	-	-	-	-	-
	F	10	-	5	0.3	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	1392	1	588	52.0	0.1	65.9	-	-	-	-	-	-	0.6
	F	454	2	169	11.5	0.2	16.6	-	-	-	-	-	-	1.2
Malignant melanoma	M	80	-	47	3.0	-	4.7	-	-	-	-	-	-	-
	F	58	2	25	1.5	0.2	2.5	-	-	-	-	0.6	-	0.6
Female breast cancer	F	822	5	422	22.9	0.4	37.7	-	-	-	-	-	0.7	2.3
Cervix cancer	F	77	1	38	2.1	0.1	3.2	-	-	-	-	-	-	0.6
Other uterine cancer	F	160	-	48	3.9	-	4.8	-	-	-	-	-	-	-
Ovarian cancer	F	298	2	129	8.0	0.2	12.2	-	-	-	-	-	0.7	0.6
Prostate cancer	M	750	-	159	29.1	-	19.3	-	-	-	-	-	-	-
Bladder cancer	M	145	-	30	5.5	-	3.6	-	-	-	-	-	-	-
	F	62	-	11	1.3	-	1.1	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	880	24	431	33.1	2.1	44.2	2.7	0.6	1.2	2.9	1.8	3.2	2.2
	F	1090	30	319	26.4	2.7	31.2	2.8	1.2	0.6	3.1	1.9	4.0	5.2
Hodgkin's disease	M	13	2	5	0.5	0.2	0.5	-	-	-	-	0.6	-	0.6
	F	13	1	6	0.4	0.1	0.5	-	-	-	-	-	0.7	-
Myeloma and non- Hodgkin lymphomas	M	327	9	140	12.3	0.8	13.9	-	-	-	1.2	1.8	1.3	1.1
	F	371	2	104	8.6	0.2	10.5	-	-	-	0.6	0.6	-	-
Leukaemia	M	171	13	59	6.5	1.1	6.0	-	1.8	0.6	0.6	1.2	1.9	1.7
	F	163	6	53	4.0	0.5	5.5	-	1.2	0.6	0.6	0.6	-	0.6
Diabetes	M	224	9	103	8.4	0.8	9.8	-	-	-	-	2.4	1.3	1.7
	F	348	5	61	7.4	0.4	6.0	-	-	-	-	-	1.3	1.7
ALL VASCULAR DISEASE	M	9925	63	3345	380.6	5.4	356.6	1.3	-	0.6	4.7	8.4	10.9	11.7
	F	11474	29	1074	215.7	2.6	108.1	1.4	-	1.3	0.6	3.1	3.4	8.1
Rheumatic heart disease and fever	M	14	-	4	0.5	-	0.4	-	-	-	-	-	-	-
	F	55	1	5	1.1	0.1	0.5	-	-	-	-	0.6	-	-
Hypertensive disease	M	139	1	36	5.4	0.1	4.1	-	-	-	-	0.6	-	-
	F	295	-	11	5.2	-	1.2	-	-	-	-	-	-	-
Ischaemic heart disease	M	6512	9	2276	249.6	0.8	246.3	-	-	-	-	0.6	2.6	2.2
	F	6388	4	506	117.9	0.3	52.9	0.7	-	-	-	-	-	1.7
Pulmonary embolism and other venous	M	108	4	31	4.1	0.3	3.2	-	-	-	0.6	1.2	0.6	-
	F	203	6	53	4.6	0.5	5.2	-	-	-	0.6	-	1.3	1.7
Cerebrovascular disease	M	1858	18	477	71.8	1.5	51.4	-	-	-	1.2	2.4	3.2	3.9
	F	3162	9	341	60.3	0.8	33.0	-	-	0.6	-	0.6	1.3	2.9
Other vascular disease	M	1294	31	521	49.2	2.6	51.3	1.3	-	0.6	2.9	3.6	4.5	5.6
	F	1371	9	158	26.5	0.8	15.4	0.7	-	0.6	-	1.9	0.7	1.7
Chronic obstructive pulmonary disease	M	843	2	183	32.1	0.2	21.6	-	0.6	-	-	-	-	0.6
	F	363	1	71	7.9	0.1	7.2	-	-	-	-	-	0.7	-
Other respiratory disease	M	1453	14	262	57.4	1.2	27.2	2.0	1.2	-	0.6	1.2	1.9	1.7
	F	1634	7	97	29.2	0.6	9.5	-	0.6	0.6	2.5	0.6	-	-
Peptic ulcer	M	140	1	69	5.3	0.1	6.9	-	-	-	-	-	-	0.6
	F	129	1	22	2.7	0.1	2.2	-	-	-	-	-	-	0.6
Liver cirrhosis	M	454	8	390	16.7	0.6	34.5	-	-	-	-	-	-	4.4
	F	208	1	129	6.2	0.1	11.2	-	-	-	-	-	-	0.6
Renal disease	M	96	1	20	3.8	0.1	2.4	0.7	-	-	-	-	-	-
	F	228	-	12	4.0	-	1.3	-	-	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	3	3	-	0.1	0.3	-	-	-	-	-	1.2	-	0.6
	M	154	118	29	7.4	11.0	2.4	66.4	0.6	0.6	4.1	1.8	1.3	2.2
	F	121	83	26	5.6	8.1	2.1	50.7	1.2	1.3	-	0.6	1.3	1.7
Ill-defined causes	M	100	29	58	4.0	2.6	5.2	9.3	-	-	0.6	1.2	1.9	5.0
	F	78	10	32	2.3	0.9	3.0	3.5	-	-	0.6	1.2	0.7	0.6
Other medical causes	M	2427	87	721	94.3	7.5	69.0	4.7	1.2	3.1	4.7	11.3	15.4	12.2
	F	4159	47	376	78.3	4.3	36.1	4.9	2.5	4.5	1.8	5.0	6.0	5.2
ALL NON- MEDICAL CAUSES	M	2853	552	1746	107.7	46.9	149.2	8.0	4.8	7.4	51.8	84.8	75.7	95.6
	F	1275	164	509	36.0	14.6	43.3	3.5	3.1	7.1	18.5	22.4	22.2	25.5
Road traffic accidents	M	267	78	134	10.3	6.7	11.7	0.7	1.8	3.1	14.7	11.3	8.3	6.7
	F	133	44	47	4.5	4.0	4.2	2.1	1.9	2.6	5.5	5.0	7.4	3.5
Fire	M	61	14	40	2.3	1.1	3.3	-	-	0.6	0.6	1.8	-	5.0
	F	14	5	5	0.5	0.4	0.4	-	0.6	0.6	-	0.6	-	1.2
Suicide	M	873	261	540	33.0	22.1	44.2	-	-	-	20.6	41.8	40.4	51.7
	F	290	68	191	10.5	6.0	16.0	-	-	1.3	6.8	9.3	9.4	15.0
Homicide	M	94	36	53	3.6	3.0	4.1	0.7	0.6	0.6	3.5	6.0	1.9	7.8
	F	42	18	21	1.6	1.6	1.7	0.7	-	2.6	2.5	3.1	0.7	1.7
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
					2526.0	1152.2	1181.7	150.5	166.6	162.1	169.8	167.5	155.8	179.9
					2650.5	1104.3	1192.1	144.0	160.7	155.0	162.3	160.6	148.9	172.8



## 2000: FINLAND

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
195.6	314.7	459.2	713.4	959.3	1461.6	2356.2	3861.0	6397.5	14684.3	M	ALL CAUSES	001-999/A00-Y89
82.2	134.8	209.8	294.9	409.1	645.1	1010.6	1851.6	3594.1	11512.6	F		
-	0.5	0.5	0.9	2.0	4.0	6.8	12.5	15.8	53.0	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.5	1.5	1.0	0.5	-	0.8	-	11.5	11.5	25.1	F	HIV	279.5, 279.6/B20-B24
1.0	0.5	2.0	1.9	6.1	5.7	11.6	8.0	17.5	69.9	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.1	0.5	2.0	0.9	4.7	3.0	4.9	13.1	26.7	61.2	F		
18.1	25.6	60.5	146.6	251.7	401.0	714.3	1124.1	1574.4	2402.5	M	ALL CANCER	140-208/C00-C97
25.3	46.5	81.0	129.9	191.2	287.2	392.3	618.9	841.5	1266.1	F		
-	2.1	2.0	5.1	10.2	10.5	12.5	9.1	15.8	27.5	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.5	1.9	1.3	1.5	2.4	3.3	10.5	22.8	F	Oesophagus cancer	150/C15
-	1.0	3.0	5.1	7.5	7.3	19.3	14.8	26.3	25.4	M		
-	-	0.5	0.5	1.3	0.7	6.5	10.7	17.2	25.9	F		
1.5	1.5	3.9	8.8	15.6	25.9	37.6	62.6	80.6	184.3	M	Stomach cancer	151/C16
2.7	3.2	4.5	3.3	6.7	11.2	18.8	25.4	48.7	66.7	F		
2.1	2.6	4.9	9.8	25.8	30.7	79.2	78.6	155.9	220.3	M	Colorectal cancer	153, 154/C18-C21
1.6	2.1	5.0	15.2	12.7	30.5	38.3	73.0	92.6	171.9	F		
-	-	1.0	3.3	4.1	9.7	21.2	31.9	38.5	57.2	M	Liver cancer	155.0/C22 excl C221
0.5	-	1.5	0.9	2.0	5.2	6.5	10.7	25.8	39.2	F		
-	2.1	6.4	9.3	23.1	28.3	58.9	69.5	70.1	125.0	M	Pancreas cancer	157/C25
-	1.6	5.0	6.6	11.3	23.1	31.0	52.5	70.7	112.2	F		
-	-	-	0.9	1.4	1.6	4.8	2.3	12.3	8.5	M	Larynx cancer	161/C32
-	-	-	0.5	0.7	-	2.4	-	1.9	2.4	F		
1.5	1.0	10.8	38.6	65.1	127.7	216.2	372.4	478.1	430.1	M	Lung cancer	162/C33, C34
0.5	3.2	2.5	15.6	18.7	27.5	48.1	70.5	76.4	91.8	F		
1.0	2.1	2.5	2.8	8.8	4.9	10.6	15.9	19.3	16.9	M	Malignant melanoma	172/C43
-	1.1	-	1.9	2.0	5.2	7.3	3.3	6.7	15.7	F		
9.7	14.3	26.7	45.0	54.0	66.2	48.1	85.2	125.1	125.6	F	Female breast cancer	174/C50
2.1	3.2	3.5	3.8	2.7	3.0	4.1	5.7	15.3	11.8	F	Cervix cancer	180/C53
-	-	1.5	3.3	5.3	11.9	11.4	29.5	22.9	40.8	F	Other uterine cancer	179, 182/C54, C55
2.7	5.3	7.5	6.2	20.7	20.1	22.8	41.0	44.9	54.9	F	Ovarian cancer	183/C56, C570-C574
-	-	3.0	2.8	9.5	43.7	76.3	141.2	280.2	650.4	M	Prostate cancer	185/C61
-	0.5	-	0.5	4.1	7.3	12.5	36.4	66.5	95.3	M	Bladder cancer	188/C67
-	-	-	1.4	0.7	2.2	3.3	9.0	12.4	21.2	F		
7.7	7.2	18.2	38.2	48.8	75.2	113.9	185.6	206.7	305.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.3	7.9	16.1	16.1	37.3	52.8	84.0	130.3	194.8	296.7	F	Hodgkin's disease	201/C81
0.5	0.5	-	-	0.7	0.8	1.0	2.3	1.8	6.4	M		
-	1.1	-	0.9	-	0.7	0.8	1.6	1.0	2.4	F		
2.1	2.6	3.4	16.3	21.0	19.4	32.8	69.5	77.1	154.7	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.1	1.6	3.0	5.7	10.7	14.9	36.7	47.5	57.3	115.4	F	Leukaemia	204-208/C91-C95
1.5	2.6	1.5	5.1	6.1	8.1	17.4	31.9	45.5	95.3	M		
-	2.1	2.0	0.9	3.3	10.4	19.6	19.7	17.2	48.7	F		
6.2	5.1	6.9	6.5	10.9	12.1	21.2	41.0	52.5	97.5	M	Diabetes	250/E10-E14
1.6	2.6	2.5	3.3	2.0	8.2	22.0	35.2	60.2	138.1	F		
32.5	55.4	124.0	241.5	378.6	601.5	1062.7	1752.8	2996.5	6921.6	M	ALL VASCULAR DISEASE	390-459/I00-I99
14.5	19.6	34.7	60.7	81.3	182.3	363.8	740.2	1673.4	6056.5	F		
-	0.5	0.5	-	-	0.8	1.0	2.3	8.8	6.4	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	0.5	1.3	0.7	0.8	6.6	17.2	18.1	F	Hypertensive disease	401-405/I10-I15
-	1.0	0.5	1.9	4.7	4.9	15.4	21.6	36.8	131.4	M		
-	-	-	0.5	1.3	2.2	4.1	16.4	35.3	178.2	F		
11.4	28.7	71.4	155.9	276.8	436.5	743.2	1162.9	2001.8	4370.8	M	Ischaemic heart disease	410-414/I20-I25
3.8	6.3	12.1	19.4	28.0	93.8	207.2	415.6	954.2	3431.7	F		
-	1.0	2.0	2.8	2.0	5.7	8.7	23.9	43.8	57.2	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	2.1	1.0	4.3	3.3	12.6	12.2	13.1	27.7	77.7	F		
6.2	8.7	18.7	31.6	51.6	70.3	172.8	334.9	570.9	1574.2	M	Cerebrovascular disease	430-438/I60-I69
4.8	8.5	15.1	26.6	31.3	49.9	94.6	197.5	458.5	1641.3	F		
15.0	15.4	31.0	49.3	43.4	83.3	121.6	207.3	334.5	781.8	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
5.4	2.6	6.5	9.5	16.0	23.1	44.9	91.0	180.5	709.6	F	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.5	1.0	1.0	5.1	24.4	36.4	83.0	198.2	369.5	578.4	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
0.5	1.1	1.0	3.8	7.3	16.4	20.4	38.5	85.0	121.7	F		
3.1	6.2	13.8	21.4	23.1	44.5	78.2	139.0	471.1	1665.3	M		
2.7	1.6	3.0	6.6	9.3	14.1	29.4	72.1	186.2	978.8	F		
0.5	2.1	3.9	6.0	8.8	10.5	16.4	22.8	29.8	69.9	M	Peptic ulcer	531-533/K25-K27
-	-	1.5	0.5	4.0	4.5	4.9	9.0	22.0	56.5	F		
6.2	23.1	37.9	40.9	44.1	51.7	37.6	35.3	19.3	29.7	M	Liver cirrhosis	571/K70, K74
2.1	7.4	11.6	13.8	13.3	19.3	10.6	22.1	24.8	19.6	F		
-	-	2.0	-	-	2.4	12.5	13.7	26.3	101.7	M	Renal disease	580-590/N00-N19
-	-	0.5	-	0.7	3.0	4.9	9.8	28.7	136.6	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
6.2	2.1	4.9	3.7	4.7	8.9	5.8	5.7	5.3	10.6	M	Ill-defined causes	780-799/R00-R99
0.5	2.6	1.5	1.4	4.0	5.2	5.7	3.3	2.9	22.8	F		
21.2	33.8	50.2	63.8	65.8	104.3	143.8	315.5	597.2	2120.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
5.9	16.4	17.1	24.7	38.6	52.8	97.1	204.9	534.9	2296.7	F		
99.1	155.3	148.1	170.8	136.4	174.6	160.2	192.5	217.2	555.1	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
27.9	35.9	50.8	43.1	48.6	46.9	49.8	69.7	92.6	329.7	F	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
8.8	10.3	10.8	11.6	8.8	20.2	11.6	26.2	12.3	53.0	M		
4.3	3.7	4.0	1.4	3.3	4.5	8.2	12.3	8.6	14.1	F	Fire	E890-E899/X00-X09
3.6	4.1	1.5	4.2	4.1	4.9	1.0	1.1	8.8	2.1	M		
-	1.1	1.0	0.5	-	-	-	0.8	1.9	0.8	F		
43.3	57.4	51.7	47.0	40.0	34.0	35.7	31.9	35.0	50.8	M	Suicide	E950-E959/X60-X84
15.0	12.2	20.1	14.7	22.7	12.6	14.7	11.5	7.6	7.1	F		
5.2	7.7	4.9	3.7	3.4	4.0	-	2.3	1.8	4.2	M	Homicide	E960-E969/ X85-X99, Y00-Y09
3.2	3.7	0.5	1.4	1.3	1.5	-	0.8	1.0	0.8	F		
193.8	195.1	203.2	214.9	147.4	123.7	103.6	87.8	57.1	47.2	M	POPULATION (1000s; UN, 2004 revision)	
186.1	189.2	198.8	210.9	150.1	134.4	122.6	122.0	104.7	127.4	F		

<b>FINLAND: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1064	65	0	2	63	2	10	56	4	253	674
35-69	Sm.	2140	889	654	74	161	142	53	854	-	202	-
	Total	9887 (22%)	2260 (39%)	730 (90%)	133 (56%)	1397 (12%)	197 (72%)	248 (21%)	3962 (22%)	335	912 (22%)	1973
70+	Sm.	2646	1046	713	69	264	407	117	887	-	189	-
	Total	13332 (20%)	2848 (37%)	780 (91%)	113 (61%)	1955 (14%)	546 (75%)	978 (12%)	6897 (13%)	56	1531 (12%)	476
Any age	Sm.	4786	1935	1367	143	425	549	170	1741	-	391	-
	Total	24283 (20%)	5173 (37%)	1510 (91%)	248 (58%)	3415 (12%)	745 (74%)	1236 (14%)	10915 (16%)	395	2696 (15%)	3123
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	946	54	1	0	53	2	14	63	8	253	552
35-69	Sm.	1571	687	507	59	121	118	44	546	-	176	-
	Total	9122 (17%)	2130 (32%)	588 (86%)	130 (45%)	1412 (9%)	183 (64%)	262 (17%)	3345 (16%)	390	1066 (17%)	1746
70+	Sm.	2561	1025	724	47	254	471	121	728	-	216	-
	Total	13974 (18%)	3020 (34%)	803 (90%)	83 (57%)	2134 (12%)	658 (72%)	1177 (10%)	6517 (11%)	56	1991 (11%)	555
Any age	Sm.	4132	1712	1231	106	375	589	165	1274	-	392	-
	Total	24042 (17%)	5204 (33%)	1392 (88%)	213 (50%)	3599 (10%)	843 (70%)	1453 (11%)	9925 (13%)	454	3310 (12%)	2853

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2486.5	1193.7	1128.8	197.2	206.9	221.1	153.5	131.7	114.7	103.7	74.8	44.5	44.7
2000	2526.0	1152.2	1181.7	193.8	195.1	203.2	214.9	147.4	123.7	103.6	87.8	57.1	47.2
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	24283	1064	9887	456	719	1147	1114	1446	2004	3001	3459	3263	6610
2000	24042	946	9122	379	614	933	1533	1414	1808	2441	3390	3653	6931
<b>Lung cancer</b>													
1995	1510	-	730	7	12	38	57	134	168	314	332	240	208
2000	1392	1	588	3	2	22	83	96	158	224	327	273	203
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1021.4*	87.0*	1080.3*	231.2	347.5	518.8	725.7	1097.9	1747.2	2893.9	4624.3	7332.6	14787.5
2000	921.1*	81.6*	922.8*	195.6	314.7	459.2	713.4	959.3	1461.6	2356.2	3861.0	6397.5	14684.3
<b>All cancer</b>													
1995	218.2*	5.3*	264.0*	16.7	31.4	79.1	142.0	286.3	468.2	824.5	1279.4	1793.3	2445.2
2000	196.8*	4.6*	231.1*	18.1	25.6	60.5	146.6	251.7	401.0	714.3	1124.1	1574.4	2402.5
<b>Lung cancer</b>													
1995	63.4*	-	87.8*	3.5	5.8	17.2	37.1	101.7	146.5	302.8	443.9	539.3	465.3
2000	52.0*	0.1*	65.9*	1.5	1.0	10.8	38.6	65.1	127.7	216.2	372.4	478.1	430.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	10.5*	0.2*	14.8*	-	2.9	6.8	13.0	15.2	34.0	31.8	48.1	67.4	105.1
2000	8.0*	-	13.5*	-	3.1	4.9	11.2	19.0	19.4	36.7	26.2	54.3	61.4
<b>Other cancer</b>													
1995	144.3*	5.1*	161.4*	13.2	22.7	55.2	91.9	169.3	287.7	489.9	787.4	1186.5	1874.7
2000	136.9*	4.5*	151.8*	16.5	21.5	44.8	96.8	167.6	253.8	461.4	725.5	1042.0	1911.0
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	31.8*	0.2*	24.6*	1.0	1.0	3.2	8.5	15.2	41.0	102.2	201.9	319.1	566.0
2000	32.1*	0.2*	21.6*	0.5	1.0	1.0	5.1	24.4	36.4	83.0	198.2	369.5	578.4
<b>Other respiratory disease</b>													
1995	53.5*	0.8*	27.5*	4.6	10.6	10.0	20.2	23.5	41.8	82.0	187.2	384.3	1492.2
2000	57.4*	1.2*	27.2*	3.1	6.2	13.8	21.4	23.1	44.5	78.2	139.0	471.1	1665.3
<b>Vascular disease</b>													
1995	464.4*	4.4*	460.7*	29.4	64.8	153.3	251.5	448.7	839.6	1437.8	2324.9	3829.2	7727.1
2000	380.6*	5.4*	356.6*	32.5	55.4	124.0	241.5	378.6	601.5	1062.7	1752.8	2996.5	6921.6
<b>Liver cirrhosis</b>													
1995	15.8*	0.3*	31.8*	7.1	20.3	33.9	43.0	35.7	48.8	33.8	36.1	42.7	22.4
2000	16.7*	0.6*	34.5*	6.2	23.1	37.9	40.9	44.1	51.7	37.6	35.3	19.3	29.7
<b>Other medical causes</b>													
1995	114.4*	21.3*	93.8*	38.0	49.8	59.7	73.0	85.0	129.9	220.8	382.4	703.4	2085.0
2000	129.8*	22.7*	102.6*	36.1	48.2	73.8	87.0	101.1	152.0	220.1	419.1	749.6	2531.8
<b>All non-medical causes</b>													
1995	123.3*	54.8*	177.9*	134.4	169.6	179.6	187.6	203.5	177.9	192.9	212.6	260.7	449.7
2000	107.7*	46.9*	149.2*	99.1	155.3	148.1	170.8	136.4	174.6	160.2	192.5	217.2	555.1

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

## 1995, 2000: FINLAND

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	429	62	1	0	61	1	5	23	6	173	159
35-69	Sm.	209	86	69	7	10	22	3	69	-	29	-
	Total	4381	1762	161	38	1563	75	87	1290	87	565	515
		(5%)	(5%)	(43%)	(18%)	(1%)	(29%)	(3%)	(5%)		(5%)	
70+	Sm.	602	152	107	21	24	84	30	254	-	82	-
	Total	20232	3045	208	103	2734	222	1391	11254	53	3686	581
		(3%)	(5%)	(51%)	(20%)	(1%)	(38%)	(2%)	(2%)		(2%)	
Any age	Sm.	811	238	176	28	34	106	33	323	-	111	-
	Total	25042	4869	370	141	4358	298	1483	12567	146	4424	1255
		(3%)	(5%)	(48%)	(20%)	(1%)	(36%)	(2%)	(3%)		(3%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	418	57	2	1	54	1	7	29	1	159	164
35-69	Sm.	206	90	74	7	9	22	5	59	-	30	-
	Total	4167	1724	169	32	1523	71	97	1074	129	563	509
		(5%)	(5%)	(44%)	(22%)	(1%)	(31%)	(5%)	(5%)		(5%)	
70+	Sm.	766	219	159	28	32	121	38	270	-	118	-
	Total	20689	3249	283	113	2853	291	1530	10371	78	4568	602
		(4%)	(7%)	(56%)	(25%)	(1%)	(42%)	(2%)	(3%)		(3%)	
Any age	Sm.	972	309	233	35	41	143	43	329	-	148	-
	Total	25274	5030	454	146	4430	363	1634	11474	208	5290	1275
		(4%)	(6%)	(51%)	(24%)	(1%)	(39%)	(3%)	(3%)		(3%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2621.0	1143.3	1150.6	189.5	199.8	213.0	152.3	137.5	127.4	131.1	120.3	88.5	118.3
2000	2650.5	1104.3	1192.1	186.1	189.2	198.8	210.9	150.1	134.4	122.6	122.0	104.7	127.4
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	25042	429	4381	173	268	440	486	610	857	1547	2577	3763	13892
2000	25274	418	4167	153	255	417	622	614	867	1239	2259	3763	14667
<b>Lung cancer</b>													
1995	370	1	161	6	5	17	19	18	40	56	69	63	76
2000	454	2	169	1	6	5	33	28	37	59	86	80	117
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	563.3*	37.0*	435.3*	91.3	134.1	206.6	319.1	443.6	672.7	1180.0	2142.1	4252.0	11743.0
2000	524.8*	38.1*	398.1*	82.2	134.8	209.8	294.9	409.1	645.1	1010.6	1851.6	3594.1	11512.6
<b>All cancer</b>													
1995	129.5*	5.2*	174.5*	22.2	44.0	99.1	158.2	200.0	270.8	427.2	599.3	866.7	1316.1
2000	124.5*	5.1*	164.8*	25.3	46.5	81.0	129.9	191.2	287.2	392.3	618.9	841.5	1266.1
<b>Lung cancer</b>													
1995	10.4*	0.1*	16.2*	3.2	2.5	8.0	12.5	13.1	31.4	42.7	57.4	71.2	64.2
2000	11.5*	0.2*	16.6*	0.5	3.2	2.5	15.6	18.7	27.5	48.1	70.5	76.4	91.8
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.4*	-	3.8*	-	-	3.3	3.3	5.8	5.5	8.4	16.6	23.7	52.4
2000	3.2*	0.1*	3.1*	-	-	2.0	2.8	3.3	2.2	11.4	13.9	29.6	51.0
<b>Other cancer</b>													
1995	115.7*	5.1*	154.6*	19.0	41.5	87.8	142.5	181.1	233.9	376.0	525.4	771.8	1199.5
2000	109.8*	4.8*	145.1*	24.7	43.3	76.5	111.4	169.2	257.4	332.8	534.4	735.4	1123.2
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	7.3*	0.1*	7.9*	0.5	0.5	0.9	4.6	10.2	14.9	23.6	43.2	63.3	96.4
2000	7.9*	0.1*	7.2*	0.5	1.1	1.0	3.8	7.3	16.4	20.4	38.5	85.0	121.7
<b>Other respiratory disease</b>													
1995	28.6*	0.4*	8.7*	2.6	1.0	4.7	7.2	5.1	11.8	28.2	64.8	229.4	938.3
2000	29.2*	0.6*	9.5*	2.7	1.6	3.0	6.6	9.3	14.1	29.4	72.1	186.2	978.8
<b>Vascular disease</b>													
1995	258.4*	1.9*	135.1*	11.6	12.5	30.0	56.5	108.4	222.9	503.4	1044.9	2290.4	6737.1
2000	215.7*	2.6*	108.1*	14.5	19.6	34.7	60.7	81.3	182.3	363.8	740.2	1673.4	6056.5
<b>Liver cirrhosis</b>													
1995	4.7*	0.5*	8.2*	2.1	3.5	6.6	10.5	10.9	16.5	7.6	15.8	14.7	17.8
2000	6.2*	0.1*	11.2*	2.1	7.4	11.6	13.8	13.3	19.3	10.6	22.1	24.8	19.6
<b>Other medical causes</b>													
1995	97.6*	15.3*	55.9*	19.0	22.0	21.1	38.1	54.5	92.6	144.2	304.2	672.3	2303.5
2000	105.3*	15.1*	54.0*	9.1	22.7	27.7	37.0	58.0	78.9	144.4	290.2	690.5	2740.2
<b>All non-medical causes</b>													
1995	37.1*	13.7*	45.1*	33.2	50.6	44.1	44.0	54.5	43.2	45.8	69.8	115.3	333.9
2000	36.0*	14.6*	43.3*	27.9	35.9	50.8	43.1	48.6	46.9	49.8	69.7	92.6	329.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## FINLAND: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.9	– / 0.4	–
35–69	1.6 / 9.1	0.2 / 4.2	21 years
70+	2.6 / 14	0.8 / 21	8 years
All ages	4.1 / 24	1.0 / 25	13 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

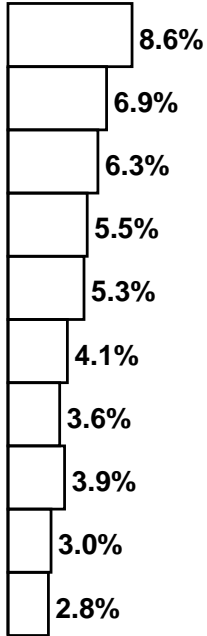
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.5/0.6	0.7/0.8	1.2/1.4	–/0.0	0.1/0.2	0.2/0.3	0.2/0.5
All Cancer	–/0.1	0.7/2.1 (32%)	1.0/3.0 (34%)	1.7/5.2	–/0.1	0.1/1.7 (5%)	0.2/3.2 (7%)	0.3/5.0
Vascular	–/0.1	0.5/3.3	0.7/6.5	1.3/9.9	–/0.0	0.1/1.1	0.3/1.0	0.3/1.1
Respiratory	–/0.0	0.2/0.4	0.6/1.8	0.8/2.3	–/0.0	0.0/0.2	0.2/1.8	0.2/2.0
All Other	–/0.8	0.2/3.2	0.2/2.6	0.4/6.6	–/0.3	0.0/1.2	0.1/5.2	0.1/6.8
All Causes	–/0.9	1.6/9.1 (17%)	2.6/14 (18%)	4.1/24	–/0.4	0.2/4.2 (5%)	0.8/21 (4%)	1.0/25

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.7 / 5.2 (33%)	0.3 / 5.0 (6%)	2.0 / 10 (20%)
All Causes	4.1 / 24 (17%)	1.0 / 25 (4%)	5.1 / 49 (10%)

1955-2000: FINLAND

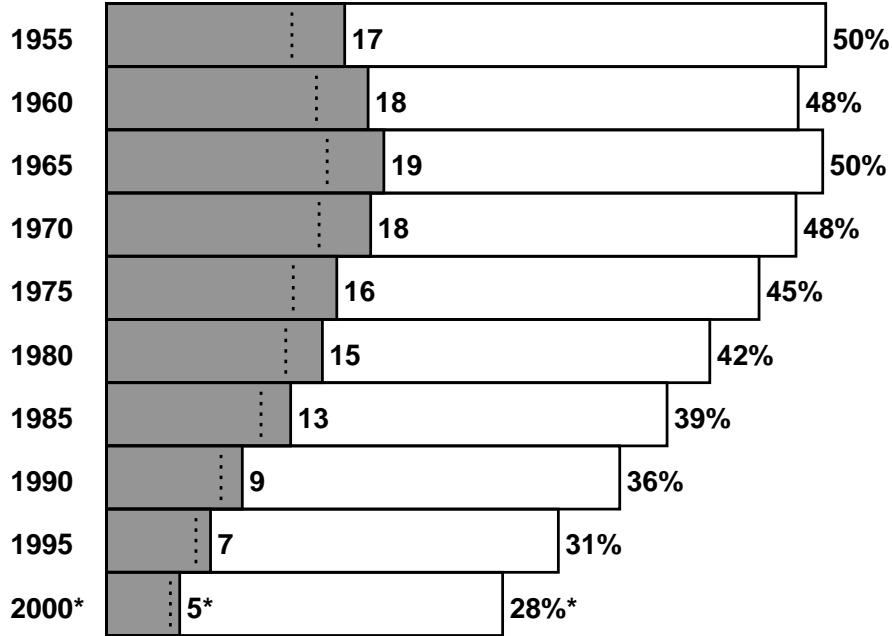
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

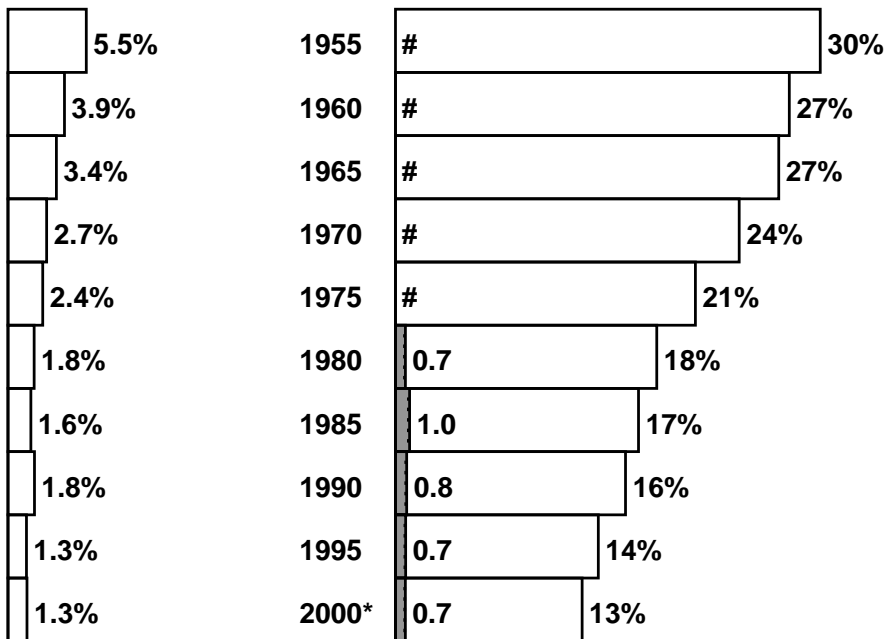
\*eg, at year 2000 male death rates, out of 100 men aged 35, 28 would die before age 70 (with 5 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

## FINLAND: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/3.5	3.5/10 <b>(34%)</b>	0.8/6.7 <b>(12%)</b>	4.3/20	-/2.2	0.1/6.6	0.0/10	0.1/19
1960	-/2.7	4.1/11 <b>(38%)</b>	1.1/7.2 <b>(16%)</b>	5.2/21	-/1.5	0.0/6.5	0.0/11	0.0/19
1965	-/2.4	4.8/12 <b>(39%)</b>	1.7/8.5 <b>(20%)</b>	6.5/23	-/1.3	0.0/7.0	0.0/13	0.0/21
1970	-/2.1	4.9/13 <b>(38%)</b>	2.1/9.0 <b>(23%)</b>	6.9/24	-/1.0	0.0/6.7	0.0/13	0.0/20
1975	-/2.0	4.2/12 <b>(35%)</b>	2.2/9.7 <b>(23%)</b>	6.4/24	-/0.8	0.0/6.1	0.1/13 <b>(0.5%)</b>	0.1/20
1980	-/1.7	3.8/11 <b>(35%)</b>	3.0/11 <b>(27%)</b>	6.8/24	-/0.7	0.2/5.2 <b>(4%)</b>	0.4/15 <b>(3%)</b>	0.6/21
1985	-/1.4	3.4/11 <b>(32%)</b>	3.1/13 <b>(23%)</b>	6.4/25	-/0.6	0.3/4.9 <b>(6%)</b>	0.4/18 <b>(2%)</b>	0.7/23
1990	-/1.4	2.6/11 <b>(25%)</b>	2.7/13 <b>(21%)</b>	5.3/25	-/0.6	0.2/4.9 <b>(5%)</b>	0.5/20 <b>(3%)</b>	0.8/25
1995	-/1.1	2.1/9.9 <b>(22%)</b>	2.6/13 <b>(20%)</b>	4.8/24	-/0.4	0.2/4.4 <b>(5%)</b>	0.6/20 <b>(3%)</b>	0.8/25
2000	-/0.9	1.6/9.1 <b>(17%)</b>	2.6/14 <b>(18%)</b>	4.1/24	-/0.4	0.2/4.2 <b>(5%)</b>	0.8/21 <b>(4%)</b>	1.0/25

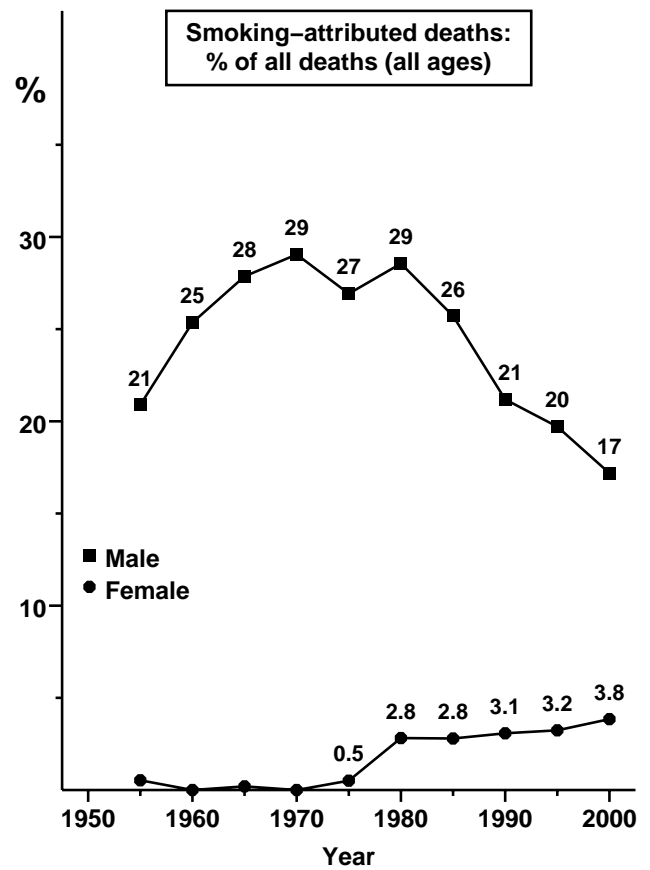
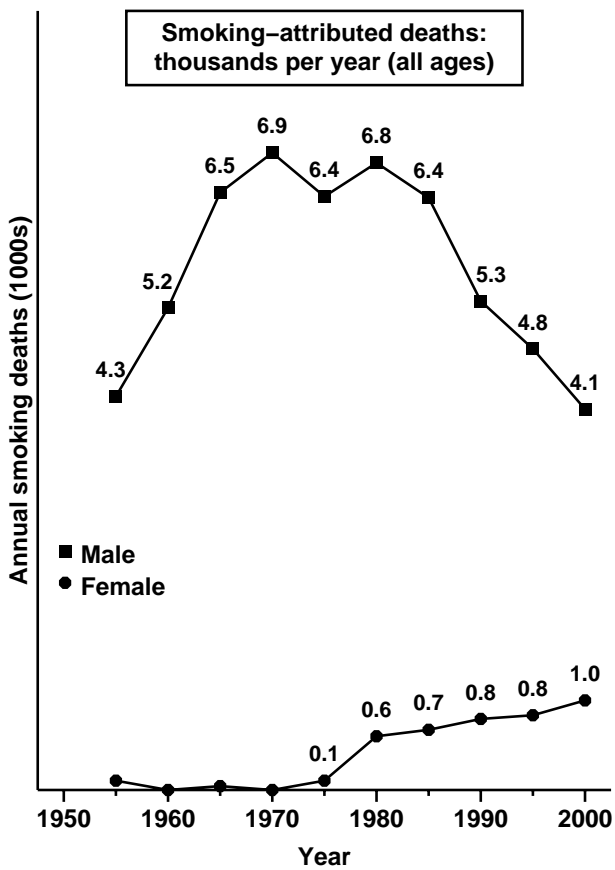
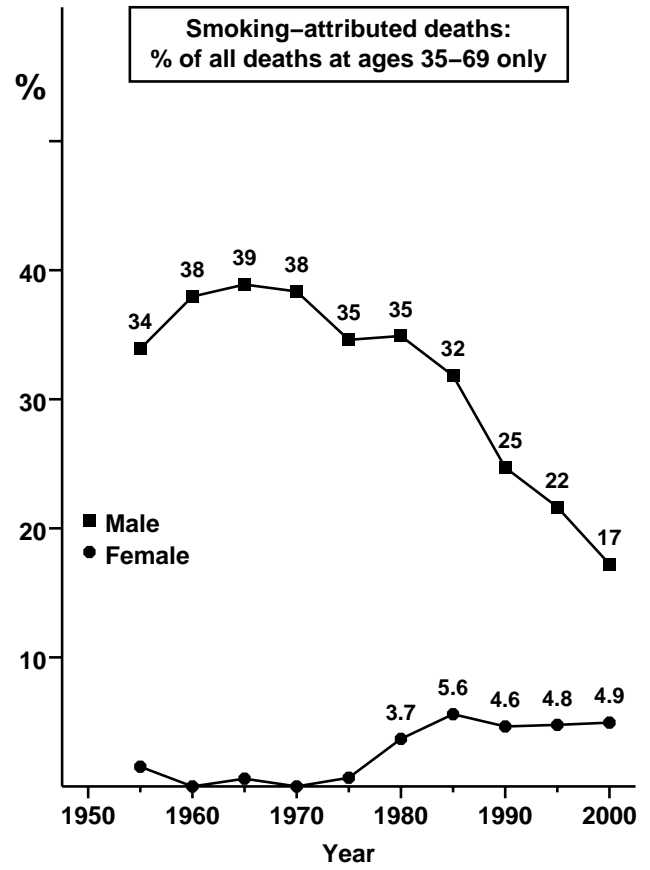
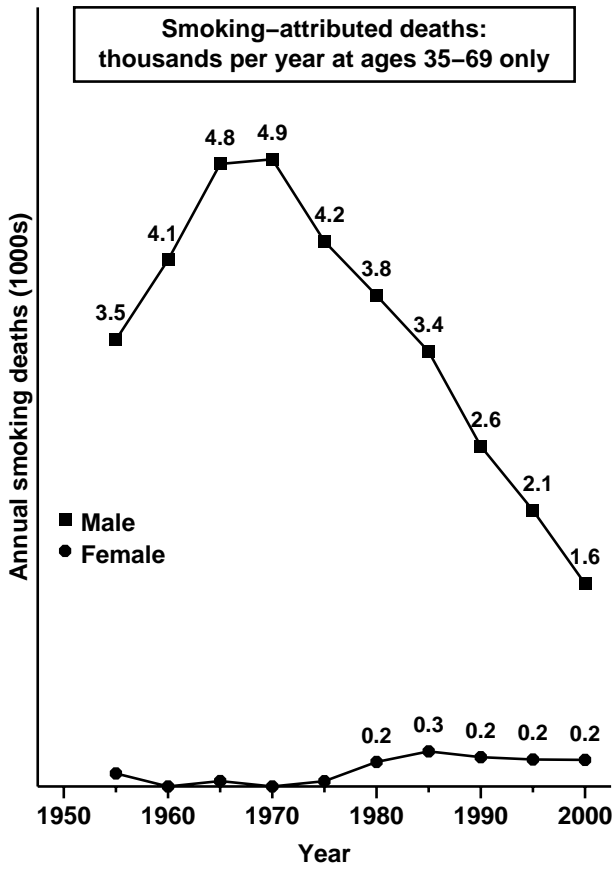
50-year total\* (thousands), mid-1950 to mid-2000: 301 / 2256

1950-2000 by age & sex:

-/104	180/553 <b>(33%)</b>	104/512 <b>(20%)</b>	284/1169	-/53	6.7/289 <b>(2%)</b>	10/745 <b>(1%)</b>	17/1087
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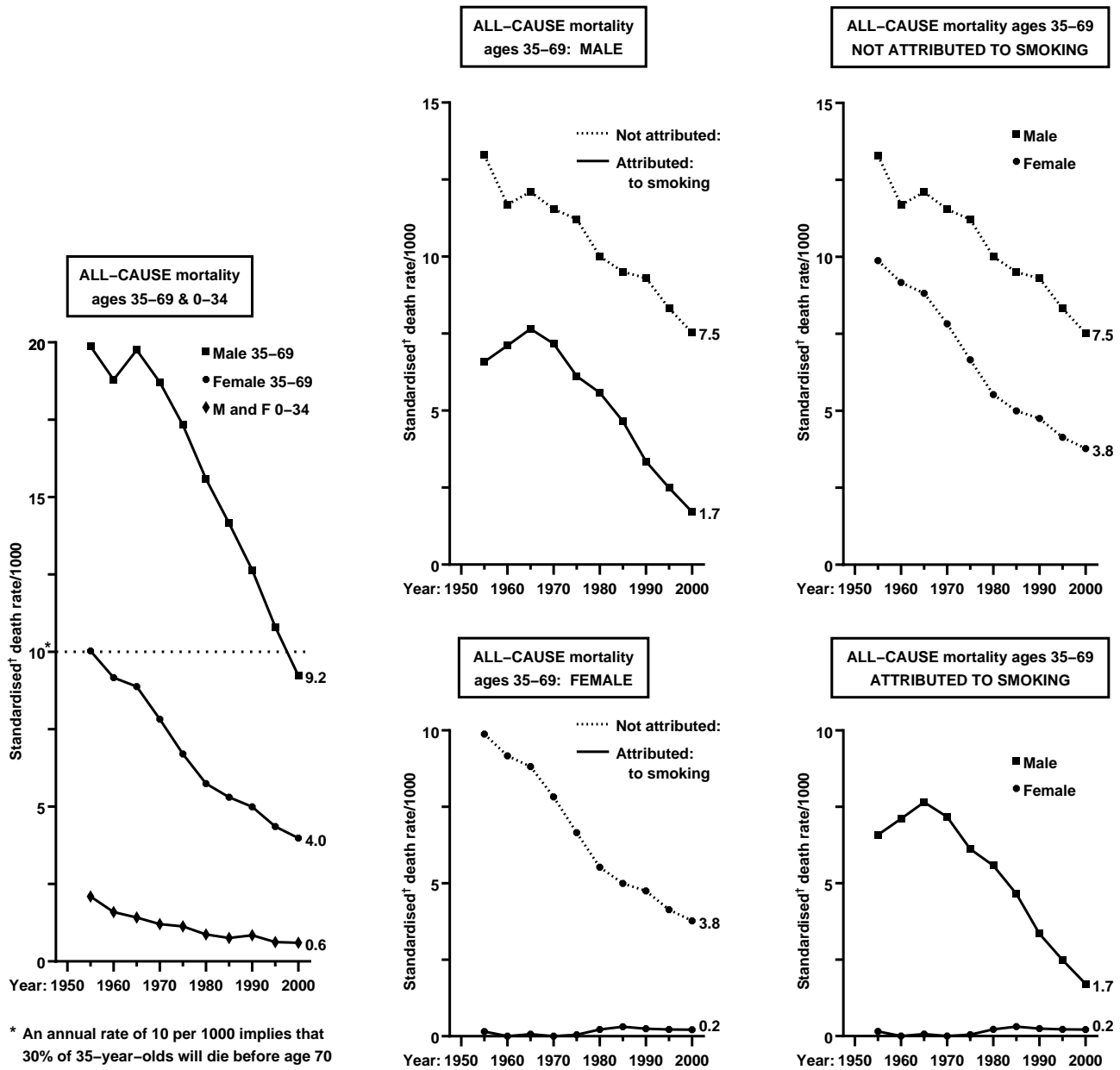
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: FINLAND



**FINLAND: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

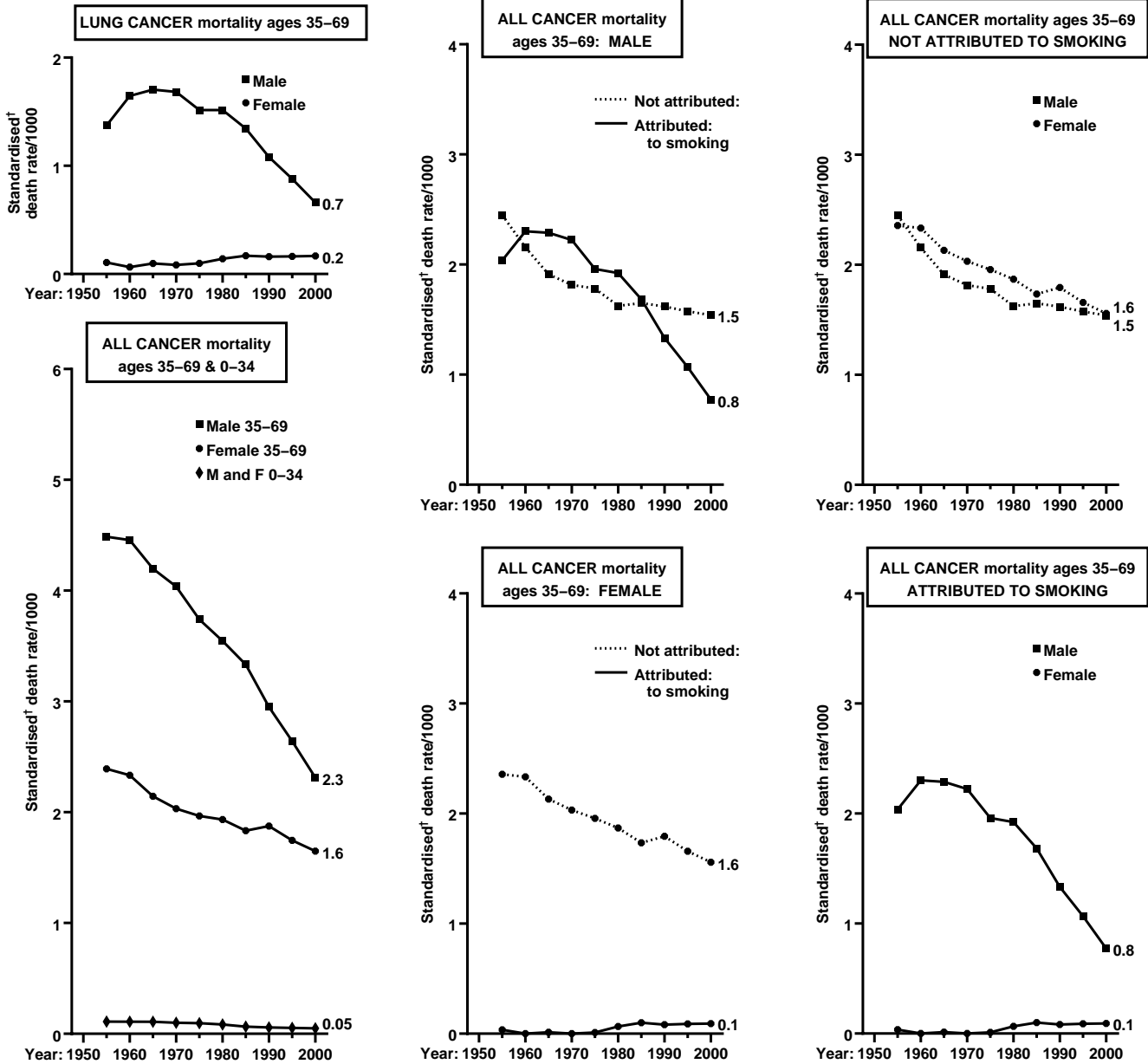
Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1955	-	2.58	6.58	13.3	12.0	80.3	-	1.60	0.15	9.88	0.00	71.5	-	1.15	0.00	9.16	0.00	70.4
1960	-	2.03	7.11	11.7	16.0	75.5	-	0.98	0.06	8.81	0.00	71.2	-	0.78	0.00	7.82	0.00	59.1
1965	-	1.85	7.65	12.1	20.2	75.5	-	0.70	0.05	6.65	0.23	48.6	-	0.53	0.22	5.52	1.27	39.9
1970	-	1.62	7.17	11.5	21.6	67.8	-	0.46	0.31	4.99	1.15	38.7	-	0.37	0.24	4.75	1.29	35.3
1975	-	1.55	6.11	11.2	20.0	61.7	-	0.21	0.22	4.14	1.27	30.7	-	0.21	0.22	4.14	1.27	30.7
1980	-	1.21	5.58	10.0	19.2	55.5	-	0.21	0.21	3.77	1.46	25.8	-	0.21	0.21	3.77	1.46	25.8
1985	-	1.05	4.65	9.50	15.5	50.8	-	0.21	0.21	3.77	1.46	25.8	-	0.21	0.21	3.77	1.46	25.8
1990	-	1.15	3.35	9.30	13.5	46.2	-	0.21	0.21	3.77	1.46	25.8	-	0.21	0.21	3.77	1.46	25.8
1995	-	0.87	2.49	8.32	11.1	40.2	-	0.21	0.21	3.77	1.46	25.8	-	0.21	0.21	3.77	1.46	25.8
2000	-	0.82	1.71	7.52	11.1	40.2	-	0.21	0.21	3.77	1.46	25.8	-	0.21	0.21	3.77	1.46	25.8

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)



1955-2000: FINLAND

ALL CANCER mortality rates attributed and not attributed to smoking



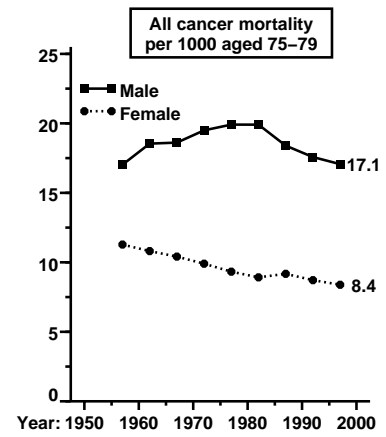
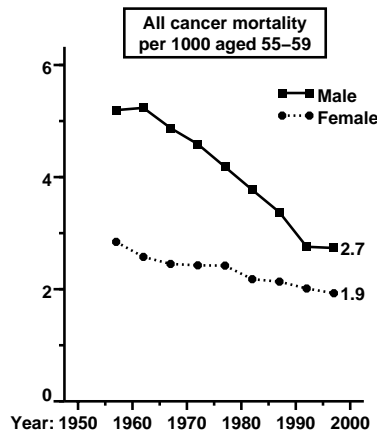
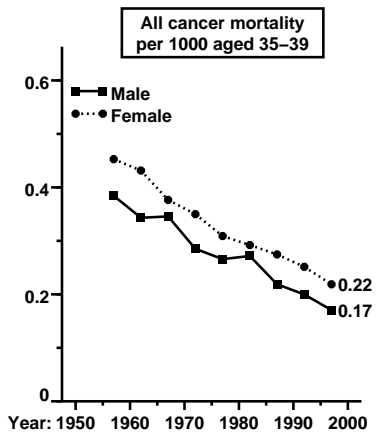
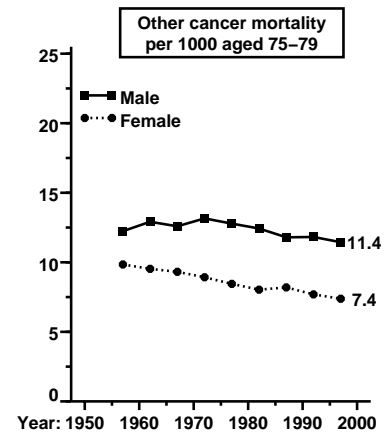
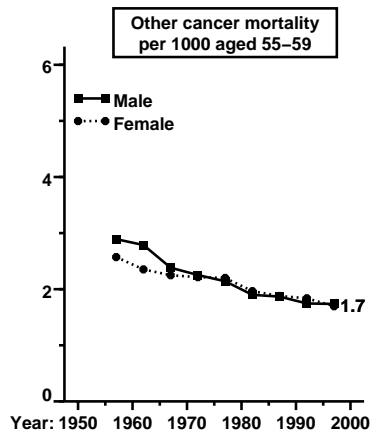
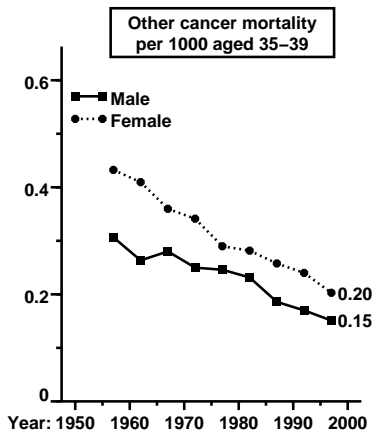
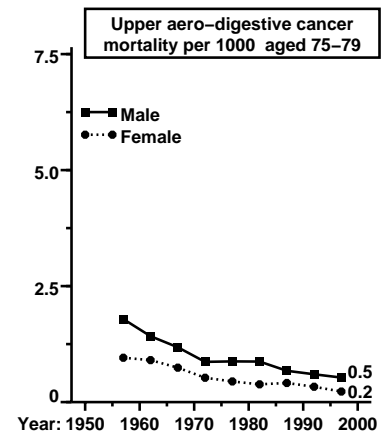
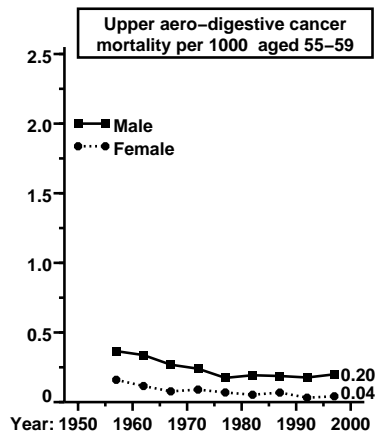
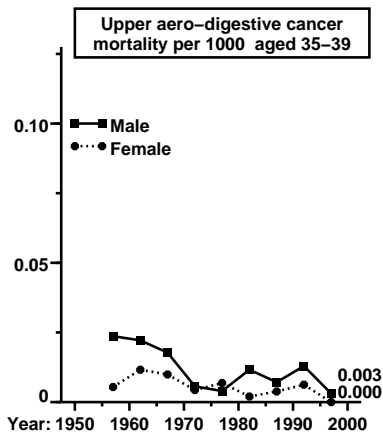
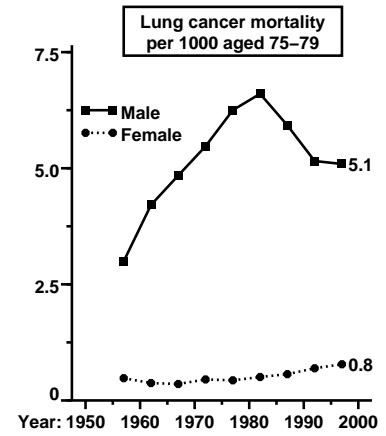
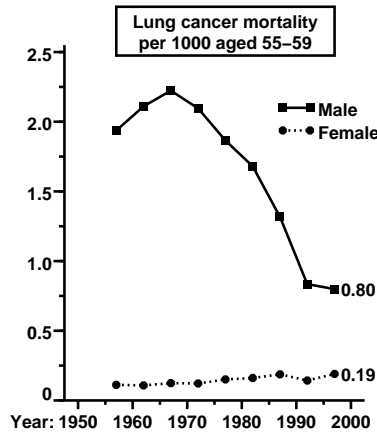
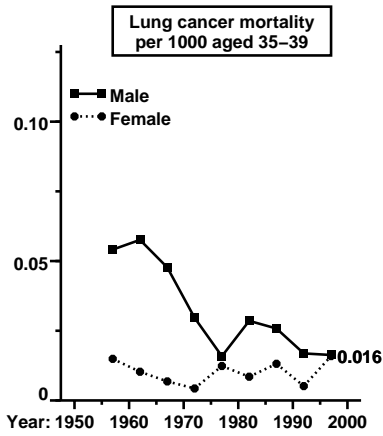
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79			
	Attributed to smoking?		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	---	---	---	---	---	---	---	---	---	---	---	---		
1955	-	0.13	2.04	2.45	4.33	11.7	-	0.09	0.03	2.36	0.00	9.68		
1960	-	0.11	2.30	2.15	5.65	11.6	-	0.10	0.00	2.33	0.00	10.2		
1965	-	0.12	2.29	1.91	6.74	10.1	-	0.10	0.01	2.13	0.00	9.14		
1970	-	0.11	2.22	1.81	7.63	10.4	-	0.09	0.00	2.03	0.00	8.47		
1975	-	0.11	1.96	1.78	7.37	9.62	-	0.08	0.01	1.96	0.07	7.88		
1980	-	0.10	1.92	1.62	8.76	9.16	-	0.06	0.06	1.87	0.36	7.16		
1985	-	0.08	1.68	1.65	7.43	8.86	-	0.05	0.10	1.73	0.34	7.76		
1990	-	0.05	1.33	1.62	6.68	9.12	-	0.06	0.08	1.79	0.43	7.22		
1995	-	0.05	1.07	1.57	6.18	9.18	-	0.05	0.09	1.66	0.43	6.90		
2000	-	0.05	0.77	1.54	5.12	8.37	-	0.05	0.09	1.56	0.55	6.75		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**FINLAND: 1955-2000**

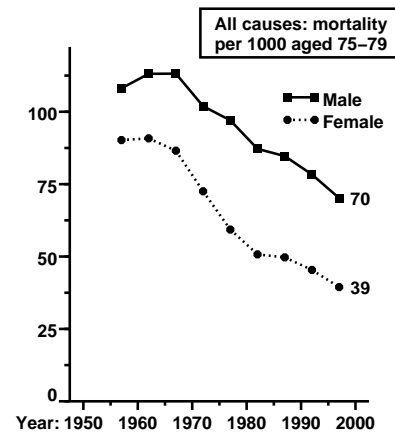
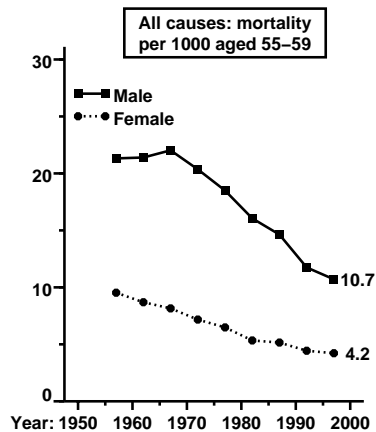
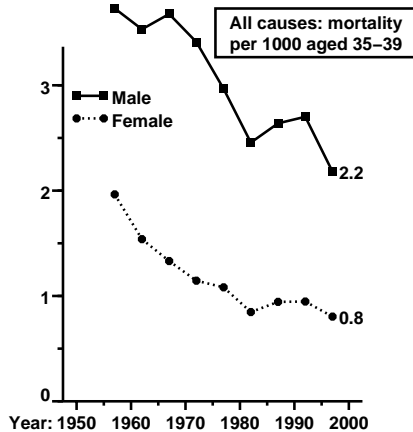
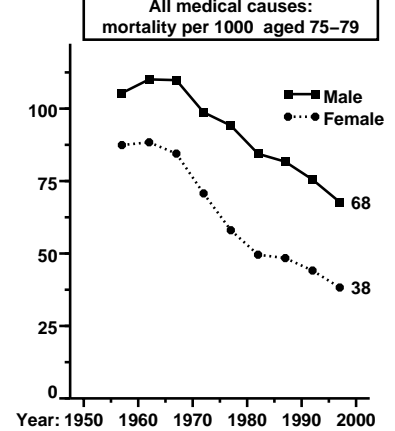
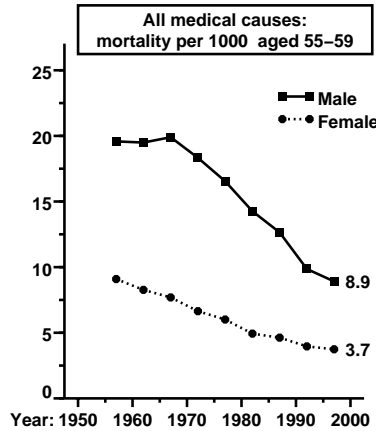
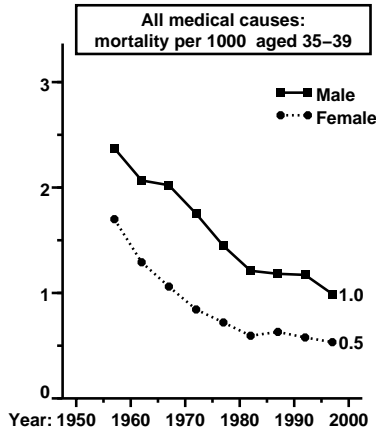
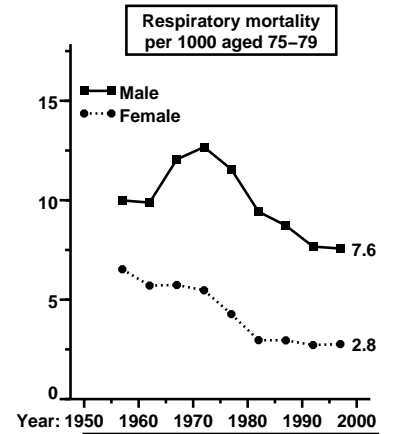
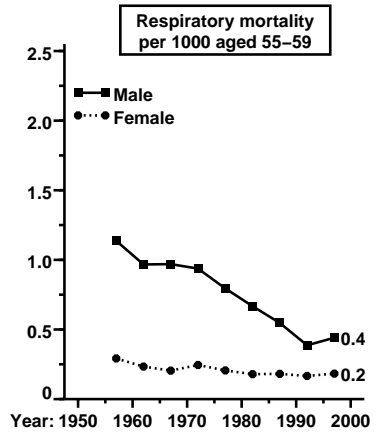
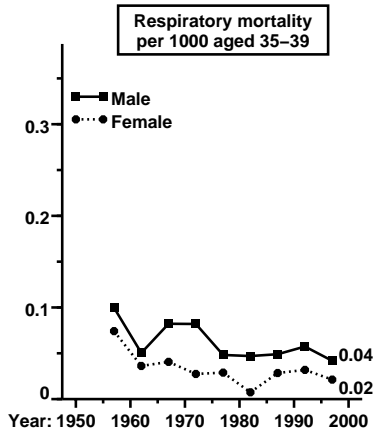
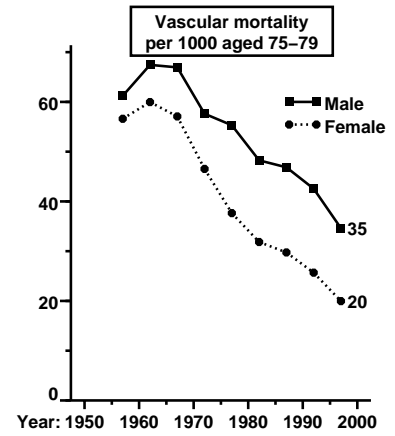
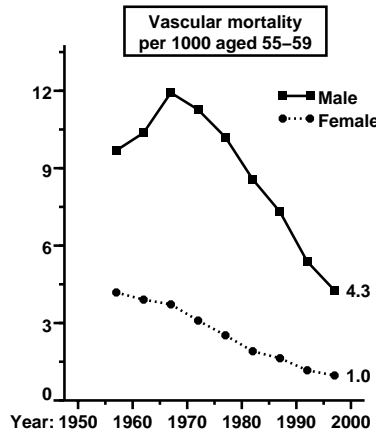
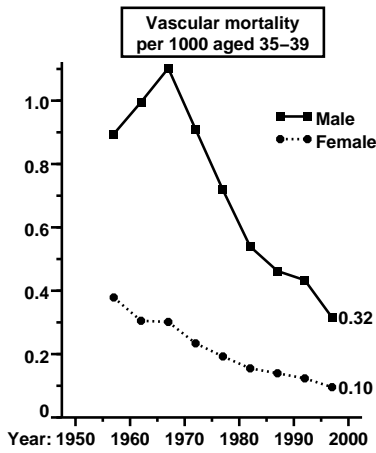
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 176-177

1955-2000: FINLAND

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 176-177

## FRANCE: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	272040	11341	91484	806.0	81.4	865.7	127.7	14.5	19.1	67.7	100.6	111.2	129.2
	F	258810	5259	40871	450.1	39.4	359.3	97.2	11.0	12.9	29.5	33.6	34.6	57.0
Tuberculosis	M	610	5	157	1.7	0.0	1.5	-	-	-	-	0.1	0.2	-
	F	480	2	42	0.8	0.0	0.4	-	-	-	0.1	-	-	0.0
HIV	M	800	133	641	2.7	0.9	4.7	0.1	0.1	-	0.1	0.3	1.1	4.9
	F	212	59	144	0.7	0.4	1.0	0.1	-	-	-	0.1	0.4	2.2
Other infective and parasitic	M	4029	160	1186	11.8	1.2	11.3	5.3	0.1	0.4	0.3	0.3	1.1	0.9
	F	4484	109	601	7.7	0.8	5.4	3.2	0.3	0.4	0.4	0.3	0.4	0.8
ALL CANCER	M	86738	803	38447	263.2	5.7	374.5	3.1	3.1	2.1	5.4	5.7	8.3	12.4
	F	56908	665	19617	123.3	4.8	173.4	3.1	2.1	2.1	3.2	3.5	6.5	13.1
Mouth and pharynx cancer	M	3911	13	2734	12.9	0.1	25.0	0.1	-	-	0.1	0.2	0.1	0.2
	F	732	5	374	1.8	0.0	3.1	-	-	-	0.1	-	0.0	0.1
Oesophagus cancer	M	3477	1	2054	11.0	0.0	19.6	-	-	-	-	-	-	0.0
	F	695	2	269	1.6	0.0	2.4	-	-	-	-	0.1	-	0.0
Stomach cancer	M	3157	16	1195	9.3	0.1	11.8	-	-	-	0.1	-	0.1	0.6
	F	2011	15	483	3.8	0.1	4.3	-	-	-	-	0.1	0.2	0.5
Colorectal cancer	M	8345	29	2783	24.3	0.2	28.3	0.1	-	-	0.1	0.1	0.2	1.0
	F	7605	21	1825	14.6	0.1	16.7	-	-	-	-	0.2	0.2	0.7
Liver cancer	M	4608	12	2071	14.0	0.1	21.3	-	0.1	0.1	0.1	0.1	0.2	0.1
	F	1233	8	312	2.4	0.1	2.9	0.1	-	-	-	0.2	0.0	0.1
Pancreas cancer	M	3631	10	1686	11.1	0.1	16.7	-	-	-	0.1	-	0.2	0.2
	F	3205	4	885	6.5	0.0	8.2	-	-	-	-	0.1	0.0	0.1
Larynx cancer	M	1702	2	1105	5.5	0.0	10.3	-	-	-	-	-	-	0.1
	F	149	-	74	0.4	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	20585	33	11476	64.7	0.2	111.2	0.1	-	-	0.1	0.1	0.3	1.1
	F	4246	23	2030	10.4	0.2	17.6	0.1	-	-	0.1	0.1	0.2	0.8
Malignant melanoma	M	706	37	390	2.2	0.3	3.5	-	-	-	0.1	0.2	0.3	1.1
	F	643	26	287	1.6	0.2	2.4	0.1	-	-	-	0.2	0.7	0.4
Female breast cancer	F	10950	82	5289	26.8	0.6	45.3	-	-	-	-	0.1	0.5	3.3
Cervix cancer	F	689	27	412	1.9	0.2	3.3	-	-	-	-	0.1	0.3	0.9
Other uterine cancer	F	2134	8	708	4.6	0.1	6.3	-	-	-	-	-	0.0	0.3
Ovarian cancer	F	3235	19	1376	7.6	0.1	12.4	-	-	-	-	0.3	0.4	0.3
Prostate cancer	M	9080	-	1397	24.9	-	15.1	-	-	-	-	-	-	-
Bladder cancer	M	3250	3	990	9.4	0.0	10.1	-	-	-	-	-	0.0	0.1
	F	1007	-	155	1.7	-	1.4	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	17791	424	8320	54.6	3.0	79.6	2.1	2.0	1.3	2.9	3.3	4.3	5.3
	F	12411	255	3658	25.8	1.9	32.8	1.8	1.3	1.6	1.8	1.4	2.2	3.1
Hodgkin's disease	M	168	25	82	0.5	0.2	0.7	-	-	0.1	0.2	0.3	0.2	0.5
	F	117	23	35	0.3	0.2	0.3	-	0.1	-	0.2	0.2	0.3	0.4
Myeloma and non-Hodgkin lymphomas	M	3633	63	1308	10.7	0.4	13.0	0.1	0.2	0.2	0.3	0.5	1.1	0.9
	F	3494	33	887	7.0	0.2	8.1	0.2	-	0.1	0.2	0.3	0.3	0.6
Leukaemia	M	2694	135	856	7.9	1.0	8.4	0.8	0.9	0.5	1.5	1.0	1.2	0.9
	F	2352	114	558	4.8	0.8	5.0	0.9	0.7	0.5	1.0	0.5	0.9	1.3
Diabetes	M	4951	23	1369	14.2	0.2	13.8	-	-	0.1	0.1	0.2	0.4	0.5
	F	5865	10	754	9.7	0.1	7.1	-	-	-	0.1	0.2	0.0	0.2
ALL VASCULAR DISEASE	M	75140	455	17694	212.9	3.2	173.8	3.6	0.5	0.8	2.0	3.4	4.7	7.5
	F	86773	303	6026	129.6	2.2	54.9	3.1	0.3	1.0	1.2	1.6	2.5	5.6
Rheumatic heart disease and fever	M	622	3	183	1.8	0.0	1.8	-	-	-	-	0.1	-	0.0
	F	1164	8	171	2.0	0.1	1.6	0.1	-	0.1	0.1	-	-	0.1
Hypertensive disease	M	2735	3	659	7.8	0.0	6.6	-	-	-	-	0.1	-	0.1
	F	4891	3	302	7.2	0.0	2.8	-	-	0.1	-	-	0.0	0.0
Ischaemic heart disease	M	25339	63	7470	73.0	0.4	72.7	0.3	-	-	0.2	0.3	0.6	1.7
	F	19991	18	1514	30.3	0.1	14.0	-	-	0.1	0.1	-	0.2	0.5
Pulmonary embolism and other venous	M	2319	20	584	6.6	0.1	5.7	-	-	-	0.1	0.1	0.2	0.6
	F	4118	33	486	6.7	0.2	4.4	-	0.1	-	0.3	0.6	0.4	0.3
Cerebrovascular disease	M	15940	112	3065	44.5	0.8	30.5	0.9	0.2	0.3	0.4	1.0	1.3	1.5
	F	22464	103	1687	34.1	0.7	15.1	1.0	0.1	0.3	0.2	0.3	0.9	2.4
Other vascular disease	M	28185	254	5733	79.3	1.8	56.5	2.5	0.4	0.5	1.4	1.8	2.6	3.5
	F	34145	138	1866	49.4	1.0	16.9	2.1	0.1	0.5	0.5	0.6	1.0	2.3
Chronic obstructive pulmonary disease	M	5862	44	1247	16.5	0.3	12.8	0.3	0.2	0.3	0.3	0.3	0.4	0.5
	F	3661	27	526	6.2	0.2	4.7	0.1	-	0.2	0.3	0.2	0.2	0.5
Other respiratory disease	M	12451	101	1897	34.5	0.7	19.2	1.6	0.1	0.3	0.6	0.8	0.7	1.2
	F	13692	80	746	19.8	0.6	6.8	1.3	0.1	0.2	0.4	0.7	0.7	0.8
Peptic ulcer	M	503	9	121	1.4	0.1	1.2	-	-	-	0.1	-	0.1	0.2
	F	522	2	48	0.8	0.0	0.4	-	-	0.1	-	-	-	0.0
Liver cirrhosis	M	5975	40	4390	19.8	0.3	40.1	0.1	-	-	-	-	0.3	1.5
	F	2544	31	1773	7.4	0.2	15.1	0.1	-	0.1	0.1	0.1	0.1	1.1
Renal disease	M	2663	24	433	7.4	0.2	4.4	0.5	-	0.1	-	0.1	0.3	0.2
	F	2684	12	244	4.2	0.1	2.2	0.1	-	-	0.1	0.1	0.1	0.3
Pregnancy, birth	F	50	32	18	0.2	0.2	0.1	-	-	-	-	0.2	0.5	0.9
Congenital and perinatal causes	M	1760	1442	206	7.1	11.0	1.7	69.7	1.1	1.3	1.2	1.0	1.3	1.1
	F	1370	1055	171	5.5	8.4	1.4	53.9	1.1	0.9	0.8	0.9	0.5	1.0
Ill-defined causes	M	14087	1225	4706	42.5	8.8	41.9	19.1	0.9	0.7	4.0	9.2	12.5	15.3
	F	18432	571	1762	29.4	4.3	15.0	13.4	0.7	0.4	1.9	4.3	3.5	5.8
Other medical causes	M	31718	991	8418	91.6	7.1	78.1	13.0	2.4	3.1	4.8	6.2	7.7	12.7
	F	44450	600	4427	70.4	4.5	39.2	10.6	2.8	2.4	2.8	3.4	3.7	5.9
ALL NON-MEDICAL CAUSES	M	24753	5886	10572	78.8	41.7	86.6	11.3	6.2	10.0	49.0	73.1	72.1	70.2
	F	16683	1701	3972	34.6	12.5	32.0	8.2	3.6	5.1	18.3	18.3	15.3	18.7
Road traffic accidents	M	5423	2762	2007	18.3	19.7	16.1	3.0	2.9	5.1	30.6	41.9	32.2	22.1
	F	1906	769	707	5.9	5.7	5.6	1.7	1.5	2.6	11.3	10.2	7.1	5.4
Fire	M	278	54	159	0.9	0.4	1.3	0.9	0.4	0.2	0.3	0.5	0.3	0.3
	F	165	33	64	0.4	0.3	0.5	0.8	0.1	0.3	-	0.3	0.1	0.2
Suicide	M	7973	1594	4551	25.9	11.1	36.2	-	0.1	1.7	7.5	16.5	22.5	29.6
	F	2864	435	1716	8.4	3.1	13.4	-	-	0.4	3.4	3.9	5.3	8.6
Homicide	M	311	136	152	1.1	1.0	1.1	1.3	0.6	0.4	0.7	1.2	1.3	1.5
	F	192	70	95	0.6	0.5	0.7	0.8	0.4	0.4	0.3	0.7	0.5	0.6
POPULATION:			M=male											
(1000s; UN, 2004 revision)			F=female											
					28847	13754	12406	1868	1834	1952	1980	1946	2079	2095
					30431	13312	12843	1778	1753	1865	1890	1867	2053	2107

## 2000: FRANCE

## Annual death rates / 100,000

(zero denoted by -)

## 9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK		
182.4	301.7	470.3	646.9	922.1	1389.8	2146.6	3215.2	5116.4	12166.1	M	ALL CAUSES 001-999/A00-Y89
87.8	135.8	210.5	271.3	381.8	559.5	868.2	1432.2	2617.0	9976.1	F	
0.3	0.5	0.7	0.7	2.1	2.2	4.2	6.1	16.0	32.9	M	Tuberculosis 010-018, 137/
0.0	0.2	0.2	0.1	0.4	0.6	1.2	4.6	7.9	16.9	F	A15-A19, B90
9.0	8.6	4.8	2.9	3.2	2.9	1.9	1.5	0.6	0.7	M	HIV 279.5, 279.6/B20-B24
2.7	1.1	1.2	0.5	0.6	0.9	0.3	0.2	0.2	0.3	F	
3.0	3.8	5.2	8.2	10.5	18.4	30.1	48.5	76.9	201.3	M	Other infective and parasitic Rest of 001-139/rest of A00-B99 excl A33,A34
1.1	1.5	2.7	3.1	5.5	9.2	14.8	26.7	48.2	174.5	F	
26.4	75.7	169.9	281.7	433.4	663.1	971.3	1290.7	1711.3	2530.7	M	ALL CANCER 140-208/C00-C97
31.3	58.8	99.2	139.0	208.7	282.5	394.3	537.3	726.5	1241.9	F	
1.4	7.3	18.2	29.4	34.7	42.5	41.2	44.8	42.8	41.8	M	Mouth and pharynx cancer 140-149/C00-C14
0.4	1.5	3.5	3.2	4.3	4.8	4.4	5.4	6.0	12.6	F	
1.1	4.1	11.0	17.5	25.1	34.4	43.8	50.5	56.5	52.4	M	Oesophagus cancer 150/C15
0.1	0.6	1.3	1.8	3.2	4.3	5.7	6.6	7.7	14.6	F	
1.1	2.5	4.5	8.0	11.7	21.7	32.9	46.5	68.6	114.8	M	Stomach cancer 151/C16
1.2	1.6	1.9	2.8	3.6	6.0	13.0	15.7	25.2	60.9	F	
1.6	3.8	8.1	14.9	30.1	49.8	89.7	134.2	202.0	315.6	M	Colorectal cancer 153, 154/C18-C21
1.1	2.9	7.4	10.6	17.3	30.6	47.3	71.0	103.7	215.6	F	
0.8	2.2	5.0	10.3	21.3	40.4	69.1	90.2	97.1	96.0	M	Liver cancer 155.0/C22 excl C221
0.4	0.5	0.9	1.0	3.6	4.5	9.6	14.5	19.0	29.3	F	
0.9	3.0	5.7	11.1	21.7	32.9	41.6	57.7	71.5	93.6	M	Pancreas cancer 157/C25
0.5	1.1	2.6	5.1	10.0	15.5	22.7	34.0	50.1	75.2	F	
0.3	2.7	6.3	11.1	14.6	16.0	20.9	22.5	21.6	22.3	M	Larynx cancer 161/C32
-	0.1	0.8	0.5	0.8	0.8	1.4	1.5	1.2	2.4	F	
5.2	22.5	52.4	90.1	136.7	201.8	269.6	322.6	355.6	339.9	M	Lung cancer 162/C33, C34
2.2	8.7	12.0	15.9	22.9	26.0	35.6	43.3	52.6	57.3	F	
1.2	1.7	2.5	3.3	3.7	4.6	7.7	8.5	10.3	13.2	M	Malignant melanoma 172/C43
1.3	1.5	1.9	2.5	2.8	3.2	3.4	5.4	6.1	11.1	F	
11.5	19.9	31.8	45.6	60.9	67.1	80.6	95.7	113.3	174.8	F	Female breast cancer 174/C50
2.7	3.1	2.7	3.7	3.5	3.3	3.8	4.8	5.7	6.9	F	Cervix cancer 180/C53
1.5	1.8	3.0	4.8	6.6	11.2	15.3	23.2	29.3	45.0	F	Other uterine cancer 179, 182/C54, C55
1.2	3.2	6.0	9.3	15.9	22.8	28.4	34.8	42.2	50.9	F	Ovarian cancer 183/C56, C570-C574
0.0	0.2	1.3	3.7	9.0	28.8	62.9	115.2	231.4	598.5	M	Prostate cancer 185/C61
0.3	0.9	2.5	5.8	8.8	18.8	34.1	49.9	75.3	144.0	M	Bladder cancer 188/C67
-	0.0	0.9	0.8	1.5	3.1	3.7	8.6	13.5	35.1	F	
8.7	19.3	43.2	64.4	92.7	133.8	194.9	250.7	325.6	475.5	M	Other and ill-defined cancer sites Rest of 140-199/ rest of C00-C80, C97
5.2	9.1	17.2	23.1	37.3	54.8	82.8	112.8	161.7	304.0	F	
0.4	0.5	0.6	0.5	0.7	1.1	1.2	1.3	2.1	3.9	M	Hodgkin's disease 201/C81
0.2	0.2	0.1	0.1	0.5	0.4	0.6	0.8	1.7	1.7	F	
1.8	2.6	4.8	7.0	14.3	22.4	38.0	55.9	86.3	123.1	M	Myeloma and non-Hodgkin lymphomas 200, 202-203/ C82-C90, C96
1.0	1.7	2.8	5.0	8.9	14.5	23.1	38.1	56.0	83.1	F	Leukaemia 204-208/C91-C95
1.7	2.3	3.8	4.7	8.5	14.1	23.6	40.2	64.4	96.3	M	
1.1	1.2	2.2	3.3	5.1	9.5	13.0	21.0	31.9	61.3	F	
1.2	2.0	4.3	7.8	13.3	21.0	47.2	72.5	117.1	237.9	M	Diabetes 250/E10-E14
0.6	0.5	1.6	3.0	5.3	12.3	26.7	46.8	81.5	213.3	F	
18.5	42.7	73.1	110.8	171.0	290.9	509.7	905.4	1652.6	4438.0	M	ALL VASCULAR DISEASE 390-459/I00-I99
7.5	13.2	22.9	31.0	47.3	86.0	176.8	382.4	858.8	4018.3	F	
-	0.4	0.8	0.9	1.9	3.3	5.6	8.1	15.0	29.5	M	Rheumatic heart disease and fever 390-398/I00-I09
0.1	0.2	0.2	0.5	1.6	3.4	5.4	10.1	18.5	38.0	F	
0.3	1.4	2.2	3.8	6.6	11.5	20.5	28.9	56.1	171.9	M	Hypertensive disease 401-405/I10-I15
0.1	0.4	0.5	1.6	2.9	4.8	9.6	22.0	47.9	229.8	F	
7.4	18.2	32.6	51.9	73.9	123.0	202.1	341.0	568.0	1242.5	M	Ischaemic heart disease 410-414/I20-I25
1.1	2.5	5.2	7.0	11.7	20.0	50.5	105.7	231.5	878.7	F	
0.7	1.8	2.7	3.2	5.7	8.7	17.2	29.1	49.9	130.7	M	Pulmonary embolism and other venous 415.1, 451-453/ I26, I80-I82
0.6	1.3	2.1	2.7	3.8	7.3	12.9	21.7	44.2	171.1	F	
3.5	6.8	12.5	16.4	27.9	50.3	95.8	187.7	376.8	1008.2	M	Cerebrovascular disease 430-438/I60-I69
3.2	4.6	7.7	8.6	13.7	22.3	46.0	106.5	245.7	1005.5	F	
6.5	14.2	22.4	34.6	54.9	94.1	168.5	310.6	586.7	1855.2	M	Other vascular disease Rest of 390-459/ rest of I00-I99
2.3	4.3	7.2	10.5	13.7	28.2	52.4	116.3	271.1	1695.1	F	
0.8	1.4	3.3	6.7	10.0	21.3	45.8	79.8	129.6	348.9	M	Chronic obstructive pulmonary disease 490-496/ J40-J47, J67
0.8	1.1	2.2	3.1	4.1	7.4	14.4	25.1	41.0	139.9	F	
1.3	3.4	5.9	9.9	18.0	31.0	64.9	128.8	244.2	935.9	M	Other respiratory disease Rest of 460-519/ rest of J00-J98
1.3	2.1	2.6	3.7	4.6	11.5	21.5	44.0	107.9	681.3	F	
0.1	0.3	0.6	0.8	1.3	2.1	3.1	5.3	11.4	29.3	M	Peptic ulcer 531-533/K25-K27
-	0.1	0.3	0.3	0.4	0.7	1.2	3.2	6.1	21.9	F	
6.6	16.2	28.8	39.4	48.9	64.5	76.4	67.4	56.1	44.6	M	Liver cirrhosis 571/K70, K74
2.9	7.5	11.9	16.3	19.2	24.3	23.4	20.9	19.6	12.3	F	
0.3	0.5	1.4	2.1	4.3	7.7	14.6	27.6	51.8	196.6	M	Renal disease 580-590/N00-N19
0.2	0.8	0.8	0.9	2.1	3.3	7.6	13.8	28.6	117.1	F	
0.5	0.3	-	-	-	-	-	-	-	-	F	Pregnancy, birth 630-676/A34,000-099
1.1	1.4	1.6	1.7	2.2	2.1	2.1	3.2	3.2	6.7	M	Congenital and perinatal causes 740-779/A33, P00-P96, Q00-Q99
0.8	1.0	0.9	1.8	1.9	2.0	1.4	2.4	2.1	5.2	F	
18.3	24.4	31.1	36.2	46.9	56.7	79.5	110.8	188.3	717.7	M	Ill-defined causes 780-799/R00-R99
6.7	7.7	11.5	11.2	14.5	21.3	32.0	55.8	119.4	864.2	F	
19.8	34.5	51.9	59.3	78.3	117.5	185.0	321.7	615.4	1821.1	M	Other medical causes Rest of 001-799/ rest of A00-R99
9.1	15.1	21.0	27.3	35.5	60.4	105.6	198.1	444.8	1940.7	F	
75.7	86.2	87.5	78.8	78.8	88.5	110.8	145.9	241.9	623.7	M	ALL NON-MEDICAL CAUSES E800-E999/V01-Y89
22.2	25.0	31.4	29.8	31.5	37.2	47.1	70.9	124.2	528.3	F	
17.3	17.5	17.7	13.3	15.5	14.7	16.6	17.5	27.6	30.6	M	Road traffic accidents E810-E819, E826-E829/ part of V01-V99, Y850
5.3	4.6	5.8	5.0	5.4	6.4	6.7	9.2	12.0	9.3	F	
1.2	1.3	1.7	0.9	1.2	1.5	1.4	1.0	2.3	4.6	M	Fire E890-E899/X00-X09
0.3	0.4	0.8	0.5	0.6	0.3	0.5	0.7	1.4	2.5	F	
37.4	42.7	39.7	33.2	29.2	32.9	38.5	46.0	65.9	102.7	M	Suicide E950-E959/X60-X84
10.6	12.9	15.3	13.7	13.6	13.7	14.4	15.8	16.9	17.2	F	
1.9	1.3	1.6	1.1	0.9	0.8	0.5	0.6	0.8	1.2	M	Homicide E960-E969/ X85-X99, Y00-Y09
0.8	0.8	0.8	0.8	0.5	1.0	0.3	0.6	0.8	0.6	F	
2162	2113	2079	2105	1404	1293	1251	1090	851	745	M	POPULATION (1000s; UN, 2004 revision)
2188	2156	2121	2114	1424	1384	1456	1409	1271	1596	F	

## FRANCE: 1995, 2000

## Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	14880	886	49	25	812	80	156	527	92	5758	7381
35-69	Sm.	33492	19567	11054	4905	3608	1643	597	6112	-	5573	-
	Total	99543	41365	11897	7366	22102	2117	2051	20734	4808	16961	11507
		(34%)	(47%)	(93%)	(67%)	(16%)	(78%)	(29%)	(29%)		(33%)	
70+	Sm.	25386	12141	7359	1674	3108	4686	780	5017	-	2762	-
	Total	160683	44176	8379	3228	32569	7141	9447	57700	1496	32474	8249
		(16%)	(27%)	(88%)	(52%)	(10%)	(66%)	(8%)	(9%)		(9%)	
Any age	Sm.	58878	31708	18413	6579	6716	6329	1377	11129	-	8335	-
	Total	275106	86427	20325	10619	55483	9338	11654	78961	6396	55193	27137
		(21%)	(37%)	(91%)	(62%)	(12%)	(68%)	(12%)	(14%)		(15%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	11341	803	33	16	754	44	101	455	40	4012	5886
35-69	Sm.	29567	17680	10607	3840	3233	949	517	5074	-	5347	-
	Total	91484	38447	11476	5893	21078	1247	1897	17694	4390	17237	10572
		(32%)	(46%)	(92%)	(65%)	(15%)	(76%)	(27%)	(29%)		(31%)	
70+	Sm.	24680	12821	7938	1620	3263	2974	842	4749	-	3294	-
	Total	169215	47488	9076	3181	35231	4571	10453	56991	1545	39872	8295
		(15%)	(27%)	(87%)	(51%)	(9%)	(65%)	(8%)	(8%)		(8%)	
Any age	Sm.	54247	30501	18545	5460	6496	3923	1359	9823	-	8641	-
	Total	272040	86738	20585	9090	57063	5862	12451	75140	5975	61121	24753
		(20%)	(35%)	(90%)	(60%)	(11%)	(67%)	(11%)	(13%)		(14%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	28300	14057	11852	2132	2112	2159	1457	1370	1370	1252	1057	550	784
2000	28847	13754	12406	2162	2113	2079	2105	1404	1293	1251	1090	851	745
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	275106	14880	99543	5280	7366	10533	10101	14298	22051	29914	36213	28554	95916
2000	272040	11341	91484	3942	6374	9777	13618	12946	17971	26856	35058	43556	90601
<b>Lung cancer</b>													
1995	20325	49	11897	189	532	1133	1361	1967	2964	3751	3520	2001	2858
2000	20585	33	11476	112	475	1090	1897	1919	2610	3373	3518	3027	2531
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	866.7*	104.0*	974.2*	247.7	348.8	488.0	693.3	1043.4	1610.0	2388.5	3424.7	5189.7	12235.7
2000	806.0*	81.4*	865.7*	182.4	301.7	470.3	646.9	922.1	1389.8	2146.6	3215.2	5116.4	12166.1
<b>All cancer</b>													
1995	282.6*	6.1*	417.5*	34.6	88.4	178.2	303.6	484.6	762.6	1070.3	1360.9	1744.8	2575.1
2000	263.2*	5.7*	374.5*	26.4	75.7	169.9	281.7	433.4	663.1	971.3	1290.7	1711.3	2530.7
<b>Lung cancer</b>													
1995	68.7*	0.3*	119.9*	8.9	25.2	52.5	93.4	143.5	216.4	299.5	332.9	363.7	364.6
2000	64.7*	0.2*	111.2*	5.2	22.5	52.4	90.1	136.7	201.8	269.6	322.6	355.6	339.9
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	37.2*	0.2*	72.4*	4.8	19.9	43.5	68.4	96.0	131.2	143.2	135.1	135.2	134.6
2000	29.4*	0.1*	54.8*	2.8	14.2	35.5	58.0	74.4	92.9	106.0	117.8	120.9	116.4
<b>Other cancer</b>													
1995	176.7*	5.6*	225.1*	20.9	43.3	82.2	141.8	245.1	414.9	627.6	892.9	1245.9	2075.9
2000	169.1*	5.4*	208.5*	18.4	39.1	82.0	133.6	222.4	368.4	595.7	850.2	1234.8	2074.4
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	27.8*	0.6*	22.2*	1.6	2.3	5.7	9.7	17.8	40.1	77.9	124.5	225.2	585.0
2000	16.5*	0.3*	12.8*	0.8	1.4	3.3	6.7	10.0	21.3	45.8	79.8	129.6	348.9
<b>Other respiratory disease</b>													
1995	33.8*	1.1*	20.8*	2.8	5.6	8.1	10.3	17.4	35.7	65.6	120.3	234.3	878.4
2000	34.5*	0.7*	19.2*	1.3	3.4	5.9	9.9	18.0	31.0	64.9	128.8	244.2	935.9
<b>Vascular disease</b>													
1995	237.6*	3.6*	210.6*	25.6	49.8	77.7	122.4	206.2	360.5	631.8	1050.7	1759.0	4708.8
2000	212.9*	3.2*	173.8*	18.5	42.7	73.1	110.8	171.0	290.9	509.7	905.4	1652.6	4438.0
<b>Liver cirrhosis</b>													
1995	22.6*	0.6*	46.1*	10.3	18.3	29.5	39.9	61.9	82.4	80.3	71.2	66.2	48.3
2000	19.8*	0.3*	40.1*	6.6	16.2	28.8	39.4	48.9	64.5	76.4	67.4	56.1	44.6
<b>Other medical causes</b>													
1995	172.5*	41.1*	157.8*	88.8	88.7	99.1	120.0	154.5	219.8	333.8	517.0	914.4	2803.4
2000	180.4*	29.4*	158.6*	53.0	76.0	101.6	119.6	162.1	230.5	367.7	597.2	1080.7	3244.3
<b>All non-medical causes</b>													
1995	89.8*	50.9*	99.3*	83.9	95.7	89.6	87.4	101.1	108.9	128.8	180.2	245.9	636.7
2000	78.8*	41.7*	86.6*	75.7	86.2	87.5	78.8	78.8	88.5	110.8	145.9	241.9	623.7

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

## 1995, 2000: FRANCE

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	6763	748	19	11	718	54	95	316	41	3239	2270
35-69	Sm.	2005	983	747	121	115	235	36	359	-	392	-
	Total	43289	20110	1740	732	17638	797	709	7446	2089	7631	4507
		(5%)	(5%)	(43%)	(17%)	(1%)	(29%)	(5%)	(5%)		(5%)	
70+	Sm.	2545	611	460	60	91	903	74	571	-	386	-
	Total	206460	35350	1845	780	32725	5939	11544	84929	854	56920	10924
		(1%)	(2%)	(25%)	(8%)	(0%)	(15%)	(1%)	(1%)		(1%)	
Any age	Sm.	4550	1594	1207	181	206	1138	110	930	-	778	-
	Total	256512	56208	3604	1523	51081	6790	12348	92691	2984	67790	17701
		(2%)	(3%)	(33%)	(12%)	(0%)	(17%)	(1%)	(1%)		(1%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5259	665	23	7	635	27	80	303	31	2452	1701
35-69	Sm.	2500	1336	1028	157	151	181	46	377	-	560	-
	Total	40871	19617	2030	717	16870	526	746	6026	1773	8211	3972
		(6%)	(7%)	(51%)	(22%)	(1%)	(34%)	(6%)	(6%)		(7%)	
70+	Sm.	3360	991	746	99	146	692	131	835	-	711	-
	Total	212680	36626	2193	852	33581	3108	12866	80444	740	67886	11010
		(2%)	(3%)	(34%)	(12%)	(0%)	(22%)	(1%)	(1%)		(1%)	
Any age	Sm.	5860	2327	1774	256	297	873	177	1212	-	1271	-
	Total	258810	56908	4246	1576	51086	3661	13692	86773	2544	78549	16683
		(2%)	(4%)	(42%)	(16%)	(1%)	(24%)	(1%)	(1%)		(2%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	29903	13697	12274	2160	2131	2133	1442	1413	1505	1490	1406	816	1710
2000	30431	13312	12843	2188	2156	2121	2114	1424	1384	1456	1409	1271	1596
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	256512	6763	43289	2163	3179	4392	4127	5810	9315	14303	21666	22217	162577
2000	258810	5259	40871	1922	2928	4466	5735	5436	7745	12639	20180	33252	159248
<b>Lung cancer</b>													
1995	3604	19	1740	67	143	186	191	229	382	542	542	377	926
2000	4246	23	2030	48	188	254	336	326	360	518	610	668	915
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	462.0*	49.3*	390.2*	100.2	149.2	205.9	286.1	411.3	619.1	959.9	1540.6	2723.3	9505.8
2000	450.1*	39.4*	359.3*	87.8	135.8	210.5	271.3	381.8	559.5	868.2	1432.2	2617.0	9976.1
<b>All cancer</b>													
1995	127.8*	5.2*	182.7*	32.2	61.7	98.3	146.6	214.7	305.0	420.5	550.4	744.1	1259.4
2000	123.3*	4.8*	173.4*	31.3	58.8	99.2	139.0	208.7	282.5	394.3	537.3	726.5	1241.9
<b>Lung cancer</b>													
1995	9.1*	0.1*	15.7*	3.1	6.7	8.7	13.2	16.2	25.4	36.4	38.5	46.2	54.1
2000	10.4*	0.2*	17.6*	2.2	8.7	12.0	15.9	22.9	26.0	35.6	43.3	52.6	57.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.8*	0.1*	6.6*	0.9	2.6	4.1	6.3	7.7	11.3	13.4	11.7	16.1	28.3
2000	3.7*	0.0*	6.2*	0.5	2.2	5.7	5.5	8.3	9.8	11.5	13.5	14.9	29.6
<b>Other cancer</b>													
1995	114.9*	5.0*	160.4*	28.2	52.4	85.5	127.0	190.8	268.4	370.7	500.1	681.8	1177.0
2000	109.1*	4.6*	149.6*	28.6	47.9	81.6	117.6	177.5	246.6	347.3	480.5	659.1	1155.0
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	11.1*	0.4*	7.4*	0.6	2.0	2.9	4.0	7.4	11.2	23.4	41.2	78.1	276.2
2000	6.2*	0.2*	4.7*	0.8	1.1	2.2	3.1	4.1	7.4	14.4	25.1	41.0	139.9
<b>Other respiratory disease</b>													
1995	17.8*	0.7*	6.5*	1.2	1.8	2.8	2.9	5.4	11.4	19.8	41.7	99.8	593.1
2000	19.8*	0.6*	6.8*	1.3	2.1	2.6	3.7	4.6	11.5	21.5	44.0	107.9	681.3
<b>Vascular disease</b>													
1995	141.4*	2.2*	69.0*	9.2	14.5	21.1	34.8	57.6	112.0	233.9	469.8	1011.9	4096.8
2000	129.6*	2.2*	54.9*	7.5	13.2	22.9	31.0	47.3	86.0	176.8	382.4	858.8	4018.3
<b>Liver cirrhosis</b>													
1995	9.1*	0.3*	18.4*	4.6	9.7	15.3	19.3	23.8	27.4	28.8	26.1	24.9	16.6
2000	7.4*	0.2*	15.1*	2.9	7.5	11.9	16.3	19.2	24.3	23.4	20.9	19.6	12.3
<b>Other medical causes</b>													
1995	115.9*	24.4*	68.1*	26.3	30.6	33.0	43.1	63.6	104.7	175.2	329.9	630.7	2755.9
2000	129.3*	18.9*	72.3*	21.8	28.2	40.3	48.2	66.2	110.6	190.7	351.6	739.0	3354.1
<b>All non-medical causes</b>													
1995	38.9*	16.1*	38.1*	26.0	28.9	32.5	35.4	38.8	47.2	58.3	81.6	134.0	507.7
2000	34.6*	12.5*	32.0*	22.2	25.0	31.4	29.8	31.5	37.2	47.1	70.9	124.2	528.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## FRANCE: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 11	– / 5.3	–
35–69	30 / 91	2.5 / 41	24 years
70+	25 / 169	3.4 / 213	8 years
All ages	54 / 272	5.9 / 259	17 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	11/11	7.9/9.1	19/21	–/0.0	1.0/2.0	0.7/2.2	1.8/4.2
All Cancer	–/0.8	18/38 (46%)	13/47 (27%)	31/87	–/0.7	1.3/20 (7%)	1.0/37 (3%)	2.3/57
Vascular	–/0.5	5.1/18	4.7/57	9.8/75	–/0.3	0.4/6.0	0.8/80	1.2/87
Respiratory	–/0.1	1.5/3.1	3.8/15	5.3/18	–/0.1	0.2/1.3	0.8/16	1.0/17
All Other	–/9.9	5.3/32	3.3/50	8.6/92	–/4.2	0.6/14	0.7/80	1.3/98
All Causes	–/11	30/91 (32%)	25/169 (15%)	54/272	–/5.3	2.5/41 (6%)	3.4/213 (2%)	5.9/259

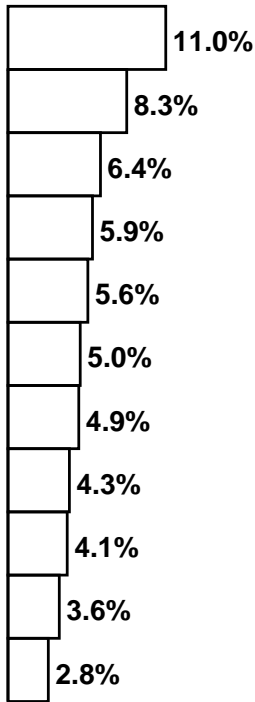
## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	31 / 87 (35%)	2.3 / 57 (4%)	33 / 144 (23%)
All Causes	54 / 272 (20%)	5.9 / 259 (2%)	60 / 531 (11%)



1950-2000: FRANCE

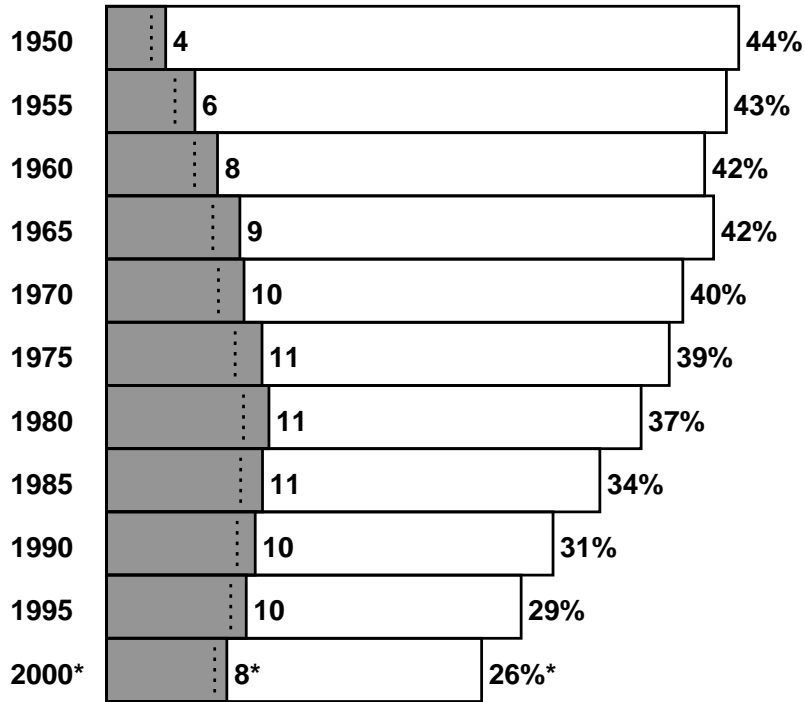
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

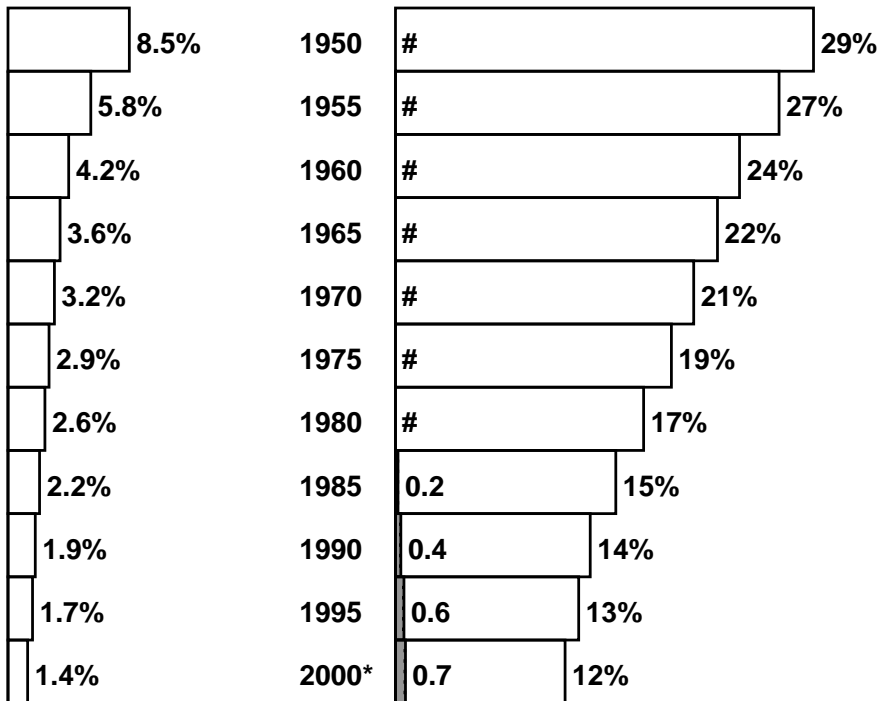
\*eg, at year 2000 male death rates, out of 100 men aged 35, 26 would die before age 70 (with 8 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

## FRANCE: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/41	11/111 <b>(10%)</b>	1.0/117 <b>(0.9%)</b>	12/270	-/30	0.0/84	0.0/146	0.0/261
1955	-/31	17/112 <b>(15%)</b>	3.8/123 <b>(3%)</b>	21/267	-/21	0.0/77	0.0/158	0.0/256
1960	-/24	22/114 <b>(20%)</b>	6.1/125 <b>(5%)</b>	29/264	-/16	0.0/70	0.0/168	0.0/254
1965	-/23	28/127 <b>(22%)</b>	9.7/128 <b>(8%)</b>	38/279	-/14	0.0/68	0.0/179	0.0/262
1970	-/23	29/122 <b>(24%)</b>	14/133 <b>(10%)</b>	43/278	-/13	0.0/63	0.0/186	0.0/262
1975	-/21	33/119 <b>(28%)</b>	21/151 <b>(14%)</b>	53/291	-/11	0.0/58	0.0/200	0.0/269
1980	-/21	33/106 <b>(31%)</b>	23/158 <b>(14%)</b>	55/285	-/10	0.0/48	0.0/203	0.0/262
1985	-/18	33/102 <b>(32%)</b>	26/167 <b>(16%)</b>	59/287	-/8.9	0.5/44 <b>(1%)</b>	0.9/213 <b>(0.4%)</b>	1.4/266
1990	-/18	34/103 <b>(33%)</b>	24/152 <b>(16%)</b>	58/273	-/7.7	1.2/44 <b>(3%)</b>	1.3/201 <b>(0.6%)</b>	2.5/254
1995	-/15	33/100 <b>(34%)</b>	25/161 <b>(16%)</b>	59/275	-/6.8	2.0/43 <b>(5%)</b>	2.5/206 <b>(1%)</b>	4.6/257
2000	-/11	30/91 <b>(32%)</b>	25/169 <b>(15%)</b>	54/272	-/5.3	2.5/41 <b>(6%)</b>	3.4/213 <b>(2%)</b>	5.9/259

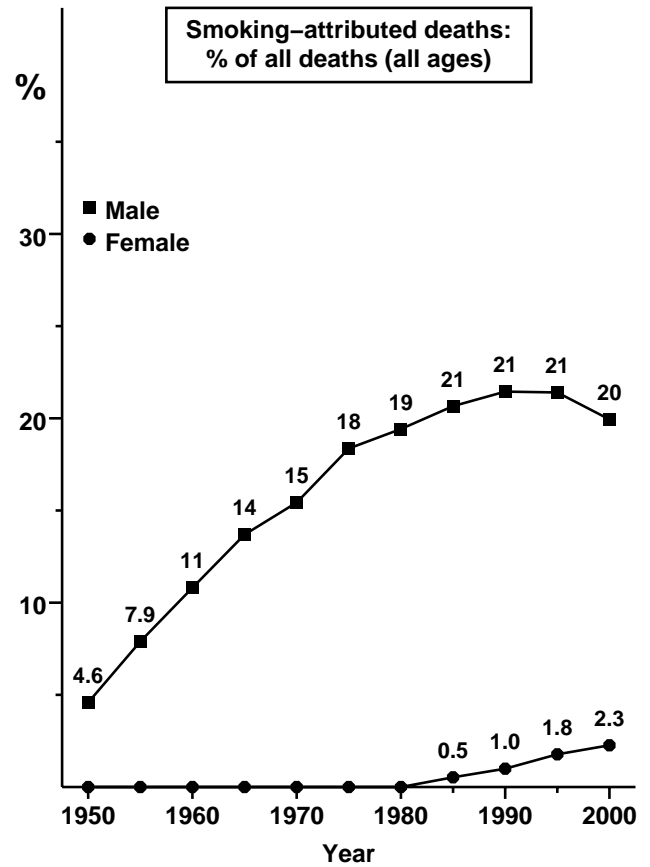
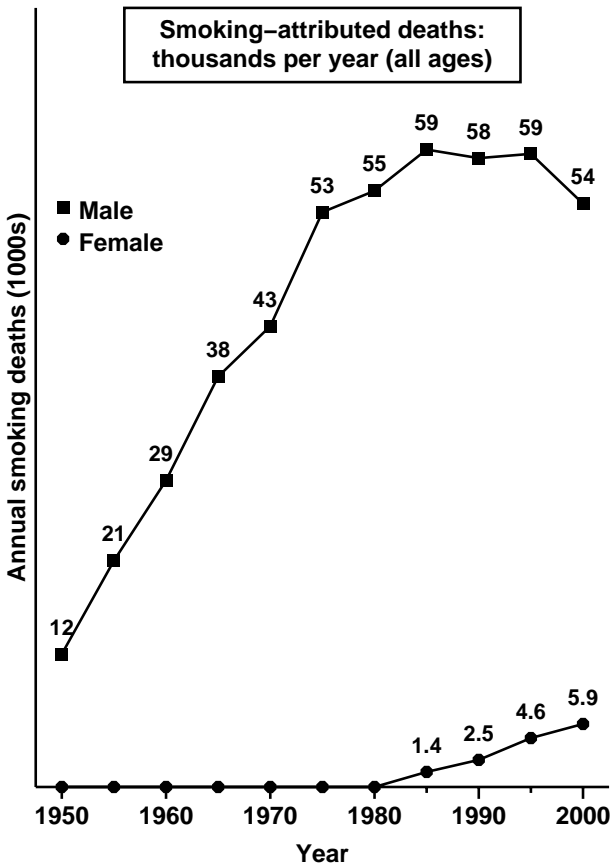
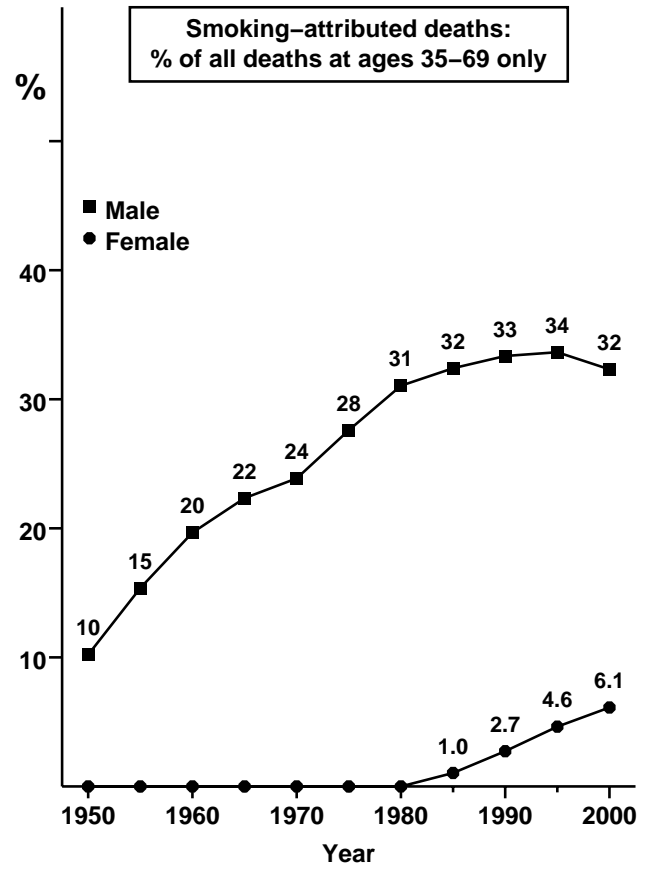
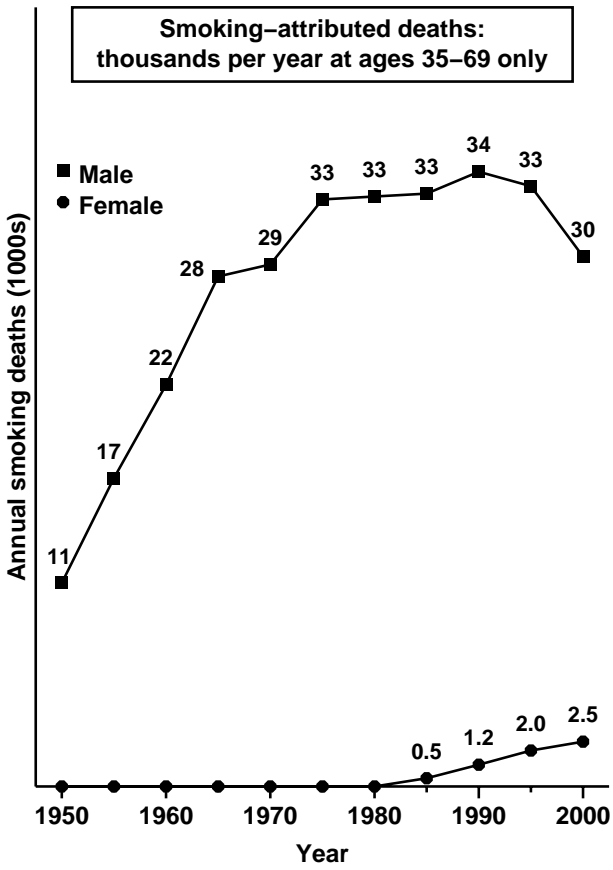
50-year total\* (M=millions), mid-1950 to mid-2000: **2.4/ 27M**

1950-2000 by age & sex:

-/1.1M	1.4/5.6M	0.9/7.3M	2.3/14M	-/0.6M	0.02/2.9M	0.03/9.6M	0.06/13M
	<b>(26%)</b>	<b>(12%)</b>			<b>(0.8%)</b>	<b>(0.4%)</b>	

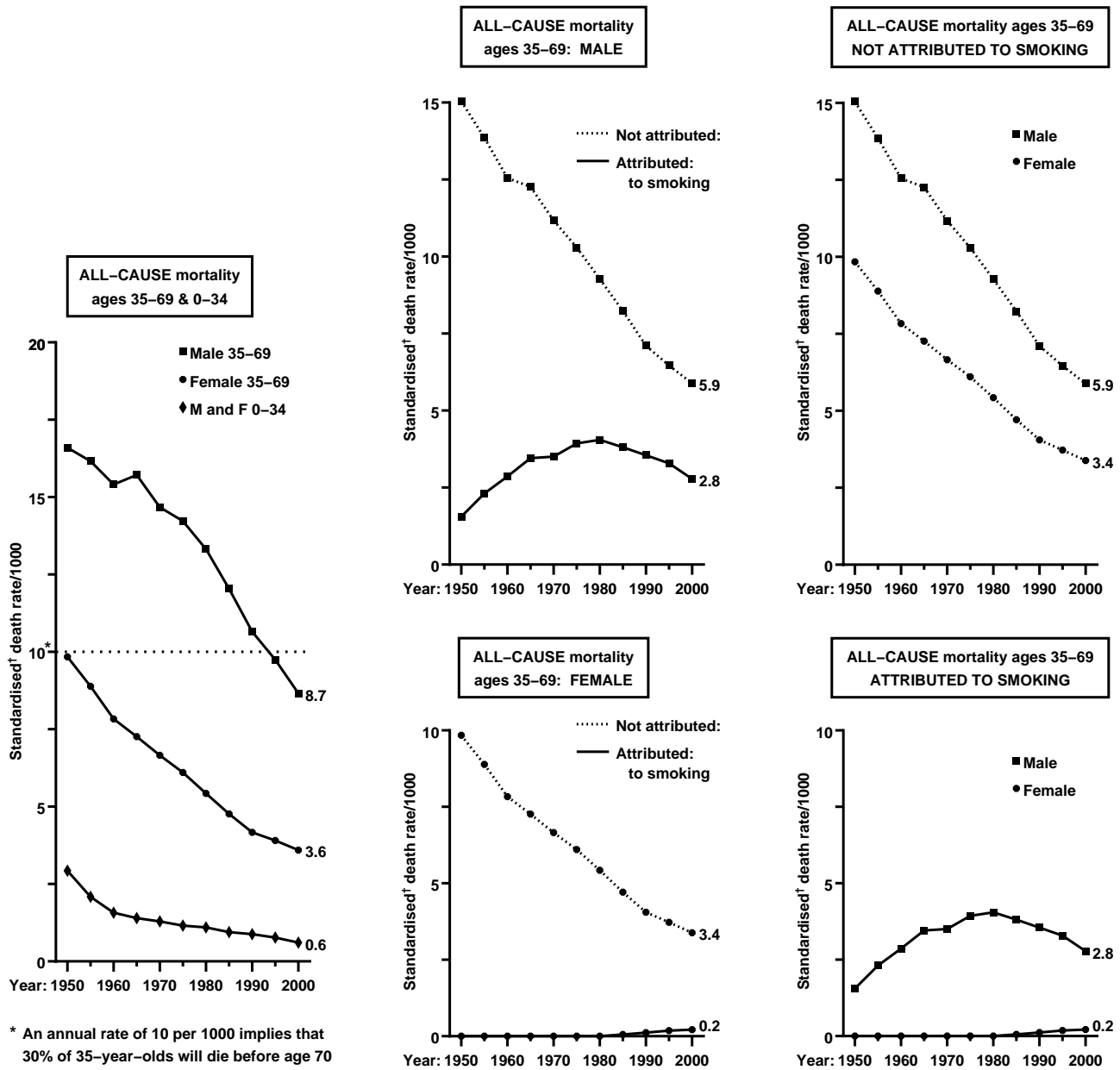
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: FRANCE



FRANCE: 1950-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

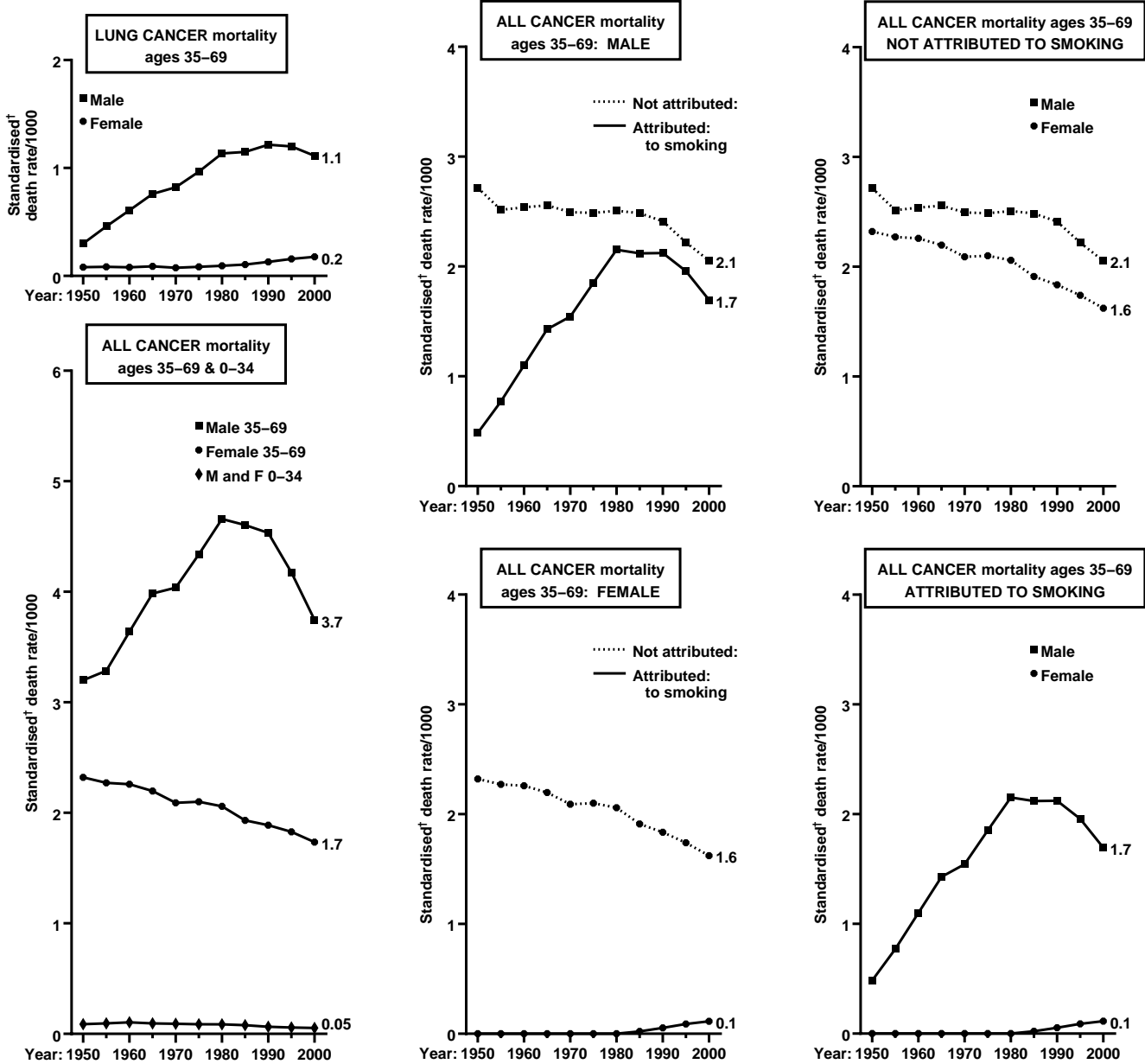
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	3.33	1.55	15.0	0.88	82.1	-	2.52	0.00	9.84	0.00	59.7	-	2.52	0.00	59.7
1955	-	2.47	2.31	13.9	2.96	78.5	-	1.70	0.00	8.88	0.00	54.9	-	1.70	0.00	54.9
1960	-	1.90	2.86	12.5	4.44	73.3	-	1.23	0.00	7.83	0.00	50.2	-	1.23	0.00	50.2
1965	-	1.73	3.45	12.3	6.65	69.0	-	1.06	0.00	7.26	0.00	46.1	-	1.06	0.00	46.1
1970	-	1.64	3.50	11.2	8.42	63.0	-	0.94	0.00	6.66	0.00	42.6	-	0.94	0.00	42.6
1975	-	1.48	3.93	10.3	10.8	61.1	-	0.83	0.00	6.10	0.00	39.5	-	0.83	0.00	39.5
1980	-	1.45	4.05	9.27	9.97	52.1	-	0.74	0.00	5.42	0.00	32.5	-	0.74	0.00	32.5
1985	-	1.25	3.81	8.23	10.7	48.2	-	0.64	0.05	4.71	0.17	29.7	-	0.64	0.05	29.7
1990	-	1.20	3.55	7.10	9.28	39.8	-	0.55	0.11	4.05	0.20	24.4	-	0.55	0.11	24.4
1995	-	1.04	3.28	6.46	8.28	34.8	-	0.49	0.18	3.72	0.36	21.0	-	0.49	0.18	21.0
2000	-	0.81	2.78	5.88	7.49	34.2	-	0.39	0.21	3.38	0.46	19.8	-	0.39	0.21	19.8

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: FRANCE

ALL CANCER mortality rates attributed and not attributed to smoking



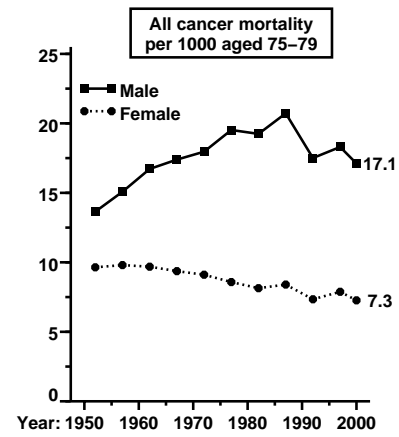
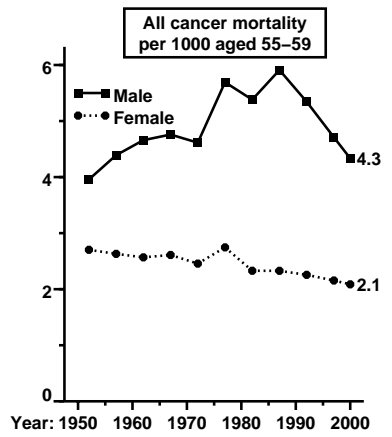
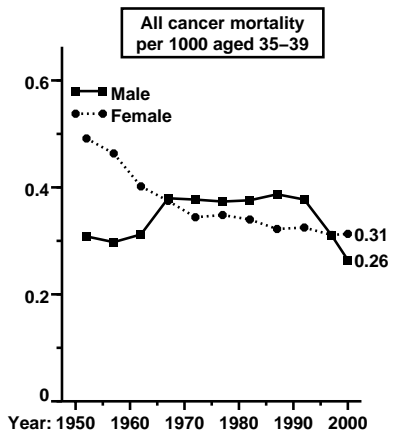
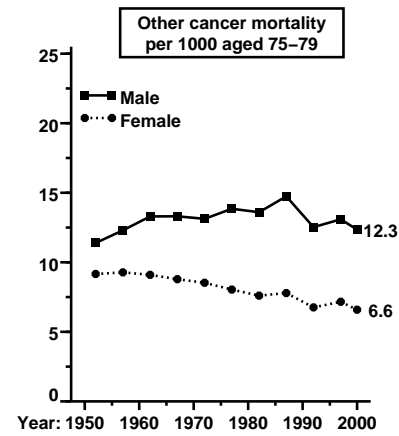
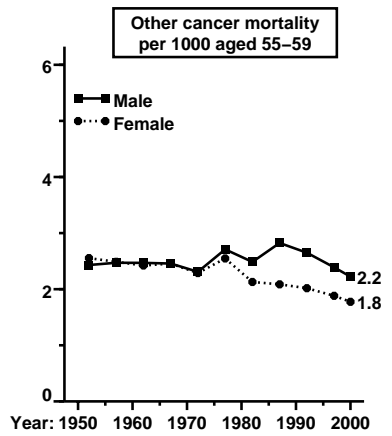
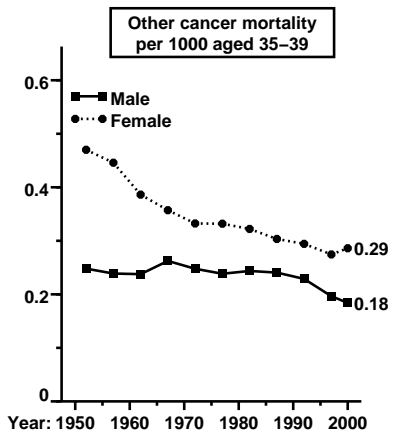
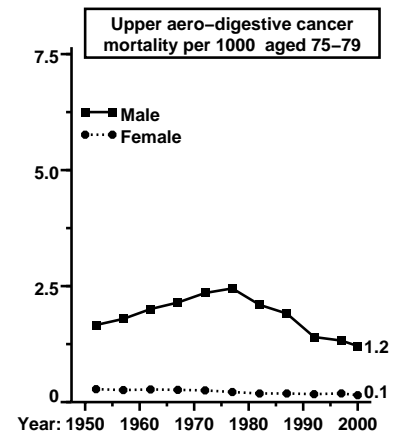
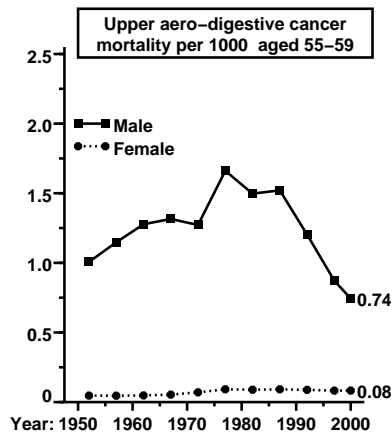
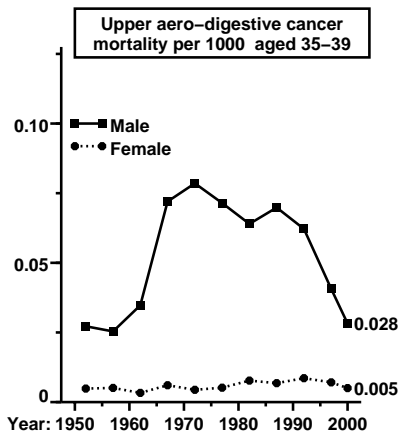
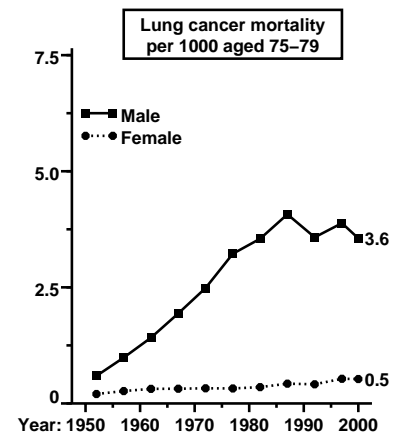
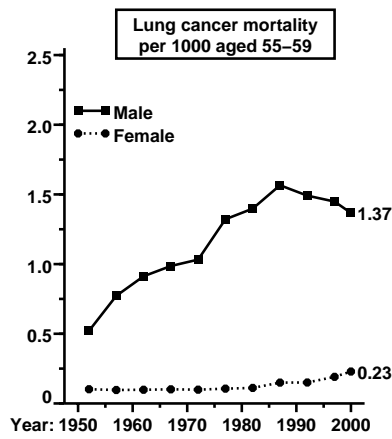
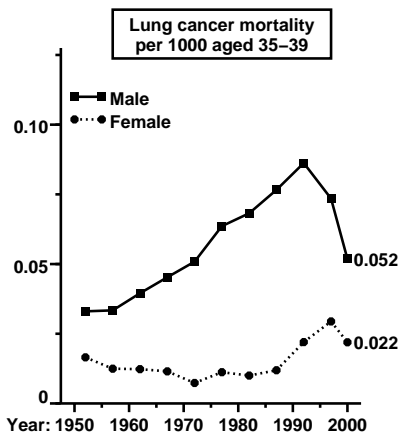
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	-	0.09	0.48	2.72	0.28	11.6	-	0.08	0.00	2.32	0.00	8.41	-	0.08	0.00	2.27	0.00	8.61
1955	-	0.10	0.77	2.51	1.02	12.0	-	0.09	0.00	2.26	0.00	8.24	-	0.09	0.00	2.20	0.00	8.11
1960	-	0.11	1.10	2.54	1.65	12.6	-	0.08	0.00	2.09	0.00	7.80	-	0.08	0.00	2.10	0.00	7.70
1965	-	0.10	1.43	2.56	2.60	12.4	-	0.09	0.00	2.06	0.00	7.02	-	0.08	0.00	1.91	0.06	7.02
1970	-	0.10	1.54	2.49	3.42	12.2	-	0.08	0.05	1.83	0.07	6.76	-	0.07	0.05	1.74	0.14	6.33
1975	-	0.10	1.85	2.49	4.58	12.7	-	0.08	0.09	1.74	0.14	6.33	-	0.05	0.11	1.62	0.21	6.11
1980	-	0.09	2.15	2.51	4.97	11.8	-	0.08	0.02	1.91	0.06	7.02	-	0.07	0.05	1.83	0.07	6.76
1985	-	0.08	2.12	2.48	5.46	12.0	-	0.07	0.05	1.83	0.07	6.76	-	0.06	0.09	1.74	0.14	6.33
1990	-	0.07	2.12	2.41	5.23	11.5	-	0.06	0.05	1.83	0.07	6.76	-	0.06	0.11	1.62	0.21	6.11
1995	-	0.06	1.96	2.22	4.81	10.7	-	0.05	0.09	1.74	0.14	6.33	-	0.05	0.11	1.62	0.21	6.11
2000	-	0.06	1.69	2.05	4.57	10.4	-	0.05	0.11	1.62	0.21	6.11	-	0.05	0.11	1.62	0.21	6.11

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**FRANCE: 1950-2000**

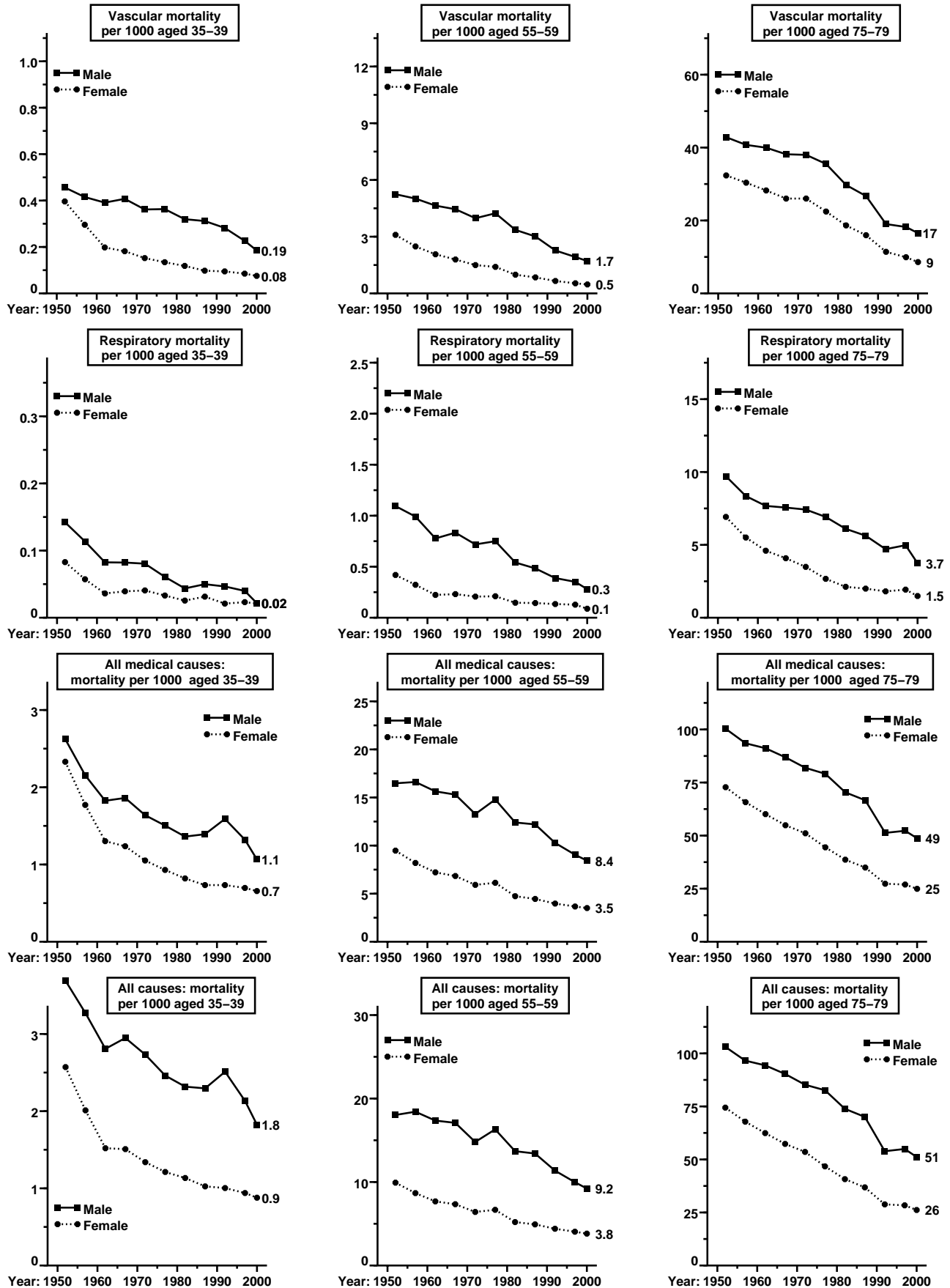
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

1950-2000: FRANCE

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

## GERMANY: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	388981	12100	149421	893.4	68.0	885.1	116.8	12.9	14.7	60.9	92.8	83.2	94.4
	F	449816	5813	75056	545.6	35.6	426.3	92.8	9.6	11.1	27.3	32.2	32.1	43.8
Tuberculosis	M	396	11	157	0.9	0.1	0.9	0.0	-	-	0.0	0.1	0.1	0.1
	F	211	1	60	0.3	0.0	0.3	-	-	-	-	-	-	0.0
HIV	M	477	72	398	1.0	0.3	1.9	0.0	-	-	0.0	0.0	0.5	1.6
	F	103	22	74	0.2	0.1	0.3	0.1	-	-	-	0.0	0.3	0.4
Other infective and parasitic	M	4198	146	1697	9.5	0.9	10.0	2.6	0.2	0.4	0.5	0.7	0.6	1.0
	F	4744	100	1016	6.2	0.6	5.8	1.9	0.2	0.4	0.4	0.5	0.3	0.6
ALL CANCER	M	109625	959	52102	242.7	5.0	313.3	3.0	2.8	2.8	3.8	4.5	7.4	10.7
	F	101113	900	34951	144.9	4.8	197.2	2.3	2.4	2.4	2.2	4.1	6.4	13.5
Mouth and pharynx cancer	M	3576	12	2834	8.0	0.1	16.2	-	-	-	0.0	-	0.1	0.3
	F	1069	9	563	1.8	0.0	3.1	0.1	0.0	-	-	0.0	0.1	0.1
Oesophagus cancer	M	3188	4	2242	7.0	0.0	13.1	-	-	-	-	-	0.1	0.1
	F	937	3	369	1.4	0.0	2.1	-	-	-	-	0.0	-	0.1
Stomach cancer	M	6909	31	2993	15.4	0.1	18.1	-	-	-	-	0.0	0.3	0.6
	F	6223	43	1649	8.2	0.2	9.3	-	-	-	0.0	0.2	0.4	0.9
Colorectal cancer	M	13658	40	5871	30.2	0.2	35.8	-	-	-	0.1	0.1	0.3	0.7
	F	15329	35	3610	19.5	0.2	20.7	-	-	-	0.0	0.0	0.4	0.7
Liver cancer	M	3110	15	1546	6.7	0.1	9.4	0.1	0.0	-	0.0	0.1	0.2	0.1
	F	1605	10	424	2.2	0.1	2.5	0.1	-	-	0.0	0.0	0.0	0.1
Pancreas cancer	M	5750	17	2991	12.6	0.1	17.9	-	-	-	-	0.0	0.0	0.4
	F	6366	4	1832	8.6	0.0	10.5	-	-	-	-	0.0	-	0.1
Larynx cancer	M	1382	2	899	3.0	0.0	5.3	-	-	-	-	-	-	0.1
	F	181	1	102	0.3	0.0	0.6	-	-	-	-	-	-	0.0
Lung cancer	M	29144	32	16009	63.0	0.1	97.0	-	0.0	0.0	-	0.1	0.2	0.6
	F	9846	29	4548	15.6	0.1	25.7	-	-	0.0	-	0.0	0.4	0.5
Malignant melanoma	M	1161	42	681	2.6	0.2	3.9	0.0	-	-	0.2	0.1	0.6	0.5
	F	1017	25	452	1.6	0.1	2.5	-	-	-	0.0	0.2	0.2	0.4
Female breast cancer	F	17814	135	8480	28.4	0.6	47.0	-	-	-	-	0.1	0.4	3.7
Cervix cancer	F	1882	46	1057	3.3	0.2	5.6	-	-	-	-	0.1	0.4	1.0
Other uterine cancer	F	2720	4	816	3.7	0.0	4.7	-	-	0.0	-	-	-	0.1
Ovarian cancer	F	6113	41	2524	9.2	0.2	14.3	-	-	0.1	0.1	0.3	0.4	0.6
Prostate cancer	M	11107	1	2404	25.7	0.0	15.3	-	-	-	-	-	-	0.0
Bladder cancer	M	3804	6	1013	8.7	0.0	6.3	0.0	0.0	-	-	0.0	0.0	0.1
	F	2173	3	351	2.6	0.0	2.0	-	-	-	-	-	-	0.1
Other and ill-defined cancer sites	M	18703	470	9051	41.6	2.5	53.6	1.4	1.9	1.4	1.7	2.1	3.9	4.9
	F	19785	299	5836	27.2	1.7	33.3	1.0	1.5	1.2	1.1	1.5	2.2	3.3
Hodgkin's disease	M	230	21	120	0.5	0.1	0.7	-	-	-	0.1	0.1	0.2	0.3
	F	214	19	74	0.3	0.1	0.4	0.1	-	-	0.0	0.2	0.2	0.2
Myeloma and non-Hodgkin lymphomas	M	4395	70	2026	9.7	0.4	12.1	0.3	0.2	0.1	0.2	0.6	0.5	0.6
	F	4498	36	1336	6.2	0.2	7.7	0.1	0.1	0.1	0.0	0.3	0.4	0.4
Leukaemia	M	3508	196	1422	7.9	1.1	8.5	1.0	0.6	1.3	1.4	1.1	0.9	1.4
	F	3341	158	928	4.8	0.9	5.2	1.0	0.7	1.0	0.7	0.9	1.0	1.2
Diabetes	M	7648	44	2678	17.4	0.2	16.4	-	-	-	0.1	0.3	0.3	0.8
	F	13532	21	1413	15.0	0.1	8.4	-	-	0.1	-	0.1	0.1	0.4
ALL VASCULAR DISEASE	M	161360	735	47331	374.8	3.7	288.3	2.6	0.7	1.3	2.3	4.3	5.6	9.5
	F	233683	432	18596	250.7	2.4	108.9	2.4	0.3	0.8	1.5	2.2	3.6	5.7
Rheumatic heart disease and fever	M	684	12	228	1.5	0.1	1.4	0.1	-	0.0	0.1	-	0.1	0.1
	F	1581	6	239	1.9	0.0	1.4	0.1	-	0.1	0.0	0.1	-	-
Hypertensive disease	M	5711	20	1508	13.5	0.1	9.2	0.1	-	-	0.1	0.1	0.2	0.3
	F	13064	12	915	13.8	0.1	5.4	0.1	-	-	-	0.0	0.1	0.2
Ischaemic heart disease	M	78879	150	25788	180.7	0.7	157.8	-	-	-	0.2	0.5	1.1	3.0
	F	88802	43	7789	96.1	0.2	46.1	-	-	-	0.1	0.1	0.4	0.8
Pulmonary embolism and other venous	M	4369	47	1841	9.9	0.2	10.9	0.0	0.0	0.0	0.2	0.3	0.4	0.6
	F	6856	74	1337	8.5	0.4	7.6	0.1	-	0.1	0.2	0.6	0.6	1.2
Cerebrovascular disease	M	29179	127	6680	68.5	0.6	41.2	0.3	0.1	0.2	0.3	0.7	1.1	1.7
	F	51607	116	3801	55.1	0.6	22.1	0.3	0.1	0.1	0.3	0.5	1.1	1.9
Other vascular disease	M	42538	379	11286	100.7	2.0	67.8	2.0	0.6	1.0	1.4	2.7	2.8	3.8
	F	71773	181	4515	75.3	1.1	26.3	1.9	0.2	0.5	0.9	0.9	1.4	1.6
Chronic obstructive pulmonary disease	M	15434	62	4150	35.1	0.3	26.2	0.1	0.1	0.4	0.3	0.4	0.4	0.5
	F	10410	43	1690	12.5	0.2	9.9	0.2	0.1	0.3	0.3	0.4	0.2	0.4
Other respiratory disease	M	11681	123	2475	28.0	0.7	15.0	1.4	0.0	0.5	0.5	0.6	0.8	1.0
	F	14281	79	1133	15.4	0.5	6.6	0.9	0.1	0.0	0.5	0.6	0.7	0.5
Peptic ulcer	M	1376	10	526	3.2	0.0	3.1	-	-	-	-	-	0.1	0.2
	F	1843	5	228	2.1	0.0	1.3	0.1	0.0	-	0.0	0.0	-	0.0
Liver cirrhosis	M	11608	182	9040	25.5	0.8	50.7	-	0.0	0.0	-	0.2	1.0	4.2
	F	5657	83	3555	10.3	0.4	19.4	0.1	0.0	0.0	-	0.2	0.3	2.0
Renal disease	M	3589	26	916	8.4	0.1	5.6	0.1	-	-	0.1	0.1	0.4	0.2
	F	4666	15	550	5.3	0.1	3.2	0.2	0.1	0.0	0.0	0.0	0.1	0.1
Pregnancy, birth	F	43	29	14	0.1	0.2	0.1	-	-	-	0.1	0.2	0.5	0.2
Congenital and perinatal causes	M	1674	1519	131	6.2	10.6	0.7	70.0	0.8	0.5	0.8	0.9	0.8	0.5
	F	1443	1238	145	5.4	9.1	0.8	58.4	0.8	1.0	1.1	0.6	0.6	0.8
Ill-defined causes	M	11349	1018	5820	26.8	6.0	32.5	19.8	0.7	0.8	2.2	5.0	6.2	7.1
	F	12440	527	2257	16.2	3.4	12.5	14.3	0.7	0.4	1.1	2.0	2.3	3.1
Other medical causes	M	26846	1492	11065	62.2	8.0	63.0	8.1	2.7	2.2	5.1	11.2	12.5	14.4
	F	32844	651	5659	40.6	3.9	31.8	5.8	2.0	1.8	3.7	4.5	4.4	5.0
ALL NON-MEDICAL CAUSES	M	21720	5701	10935	51.6	31.1	57.3	8.7	4.8	5.7	45.1	64.5	46.5	42.5
	F	12803	1667	3715	20.5	9.8	19.8	6.2	2.7	3.7	16.3	16.7	12.1	11.1
Road traffic accidents	M	5206	2603	2066	13.0	14.6	10.6	1.5	1.6	2.7	29.3	35.5	18.2	13.6
	F	2026	825	714	4.5	4.9	3.8	1.5	1.2	2.3	11.0	9.3	5.5	3.8
Fire	M	256	55	145	0.6	0.3	0.7	0.2	0.4	0.2	0.2	0.3	0.4	0.5
	F	219	18	70	0.4	0.1	0.4	0.4	0.1	0.0	0.1	0.0	0.1	0.1
Suicide	M	8131	1602	4939	18.7	8.3	25.8	-	-	1.0	8.6	16.1	15.8	16.6
	F	2934	385	1610	5.6	2.1	8.5	-	-	0.3	2.9	3.2	3.8	4.4
Homicide	M	321	124	177	0.8	0.7	0.9	1.0	0.4	0.2	0.5	0.9	0.9	0.9
	F	281	113	127	0.7	0.7	0.6	1.2	0.3	0.3	0.5	1.3	0.7	0.7
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				40159	17449	19478	2016	2159	2422	2403	2287	2592	2592	



## 2000: GERMANY

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
140.8	248.1	391.4	610.0	922.2	1441.6	2441.3	3804.6	5863.4	15258.5	M	ALL CAUSES	001-999/A00-Y89
72.8	127.3	201.0	317.5	442.6	668.8	1153.7	1967.3	3371.4	12219.0	F		
0.2	0.4	0.6	0.9	0.9	1.2	2.2	3.9	8.2	12.1	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.0	0.1	0.3	0.3	0.3	0.4	1.0	1.2	2.3	3.7	F		
2.7	2.8	2.1	2.0	1.5	1.5	0.9	0.2	0.3	0.1	M	HIV	279.5, 279.6/B20-B24
0.9	0.7	0.3	0.1	0.2	0.1	0.0	0.2	0.1	-	F		
2.1	2.6	5.0	7.1	10.8	15.2	27.4	47.7	68.7	130.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.4	2.2	2.2	2.9	5.0	8.9	17.9	30.0	43.9	99.4	F		
20.6	47.7	105.1	212.2	356.1	556.6	894.7	1282.1	1672.6	2816.2	M	ALL CANCER	140-208/C00-C97
28.1	54.3	96.3	161.6	237.8	325.5	476.6	659.1	868.4	1596.3	F		
1.1	4.7	11.7	18.8	25.2	24.6	27.2	24.0	19.4	23.9	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	1.1	2.1	3.9	5.1	4.2	5.3	5.3	6.0	12.5	F		
0.8	2.2	6.1	12.6	17.6	24.5	27.7	27.3	27.0	35.9	M	Oesophagus cancer	150/C15
0.1	0.4	0.9	1.8	3.2	3.7	4.5	6.6	7.0	13.4	F		
1.6	2.9	5.9	12.0	17.7	32.2	54.3	81.5	113.7	208.4	M	Stomach cancer	151/C16
2.0	2.3	4.6	6.6	9.9	15.1	24.7	38.6	53.9	124.0	F		
1.7	3.8	8.1	20.7	39.0	65.6	111.9	169.8	226.3	401.4	M	Colorectal cancer	153, 154/C18-C21
1.7	2.9	6.9	12.2	24.0	37.2	59.7	92.2	140.0	325.9	F		
0.3	1.0	2.5	5.1	9.0	18.0	30.1	40.5	49.3	61.4	M	Liver cancer	155.0/C22 excl C221
0.2	0.5	0.9	1.6	2.4	4.0	7.6	13.6	16.9	25.7	F		
0.8	2.1	5.4	12.4	22.6	33.8	48.1	67.9	83.7	121.2	M	Pancreas cancer	157/C25
0.3	1.3	4.1	6.9	11.6	20.2	28.9	47.2	63.8	106.0	F		
0.3	1.0	2.8	4.8	7.8	8.2	12.2	14.4	14.8	16.0	M	Larynx cancer	161/C32
0.1	0.1	0.4	0.8	0.8	0.7	1.2	1.2	0.7	1.8	F		
2.8	11.1	27.9	63.4	113.0	174.8	286.0	374.7	424.7	442.5	M	Lung cancer	162/C33, C34
2.1	7.2	14.2	24.6	33.3	40.0	58.6	77.2	81.4	94.6	F		
0.9	1.4	2.6	3.5	4.6	6.1	8.2	10.5	11.8	22.1	M	Malignant melanoma	172/C43
0.9	1.2	1.7	1.9	2.7	3.6	5.6	6.3	7.5	12.0	F		
8.5	16.7	29.9	48.2	64.5	74.3	87.1	101.5	120.4	218.6	F	Female breast cancer	174/C50
3.0	4.7	5.8	5.5	5.7	6.4	8.2	9.2	11.1	17.1	F	Cervix cancer	180/C53
0.3	0.9	1.2	2.8	4.9	8.9	13.7	19.5	25.4	46.1	F	Other uterine cancer	179, 182/C54, C55
1.5	3.3	6.0	10.4	18.7	24.7	35.3	43.4	54.7	72.1	F	Ovarian cancer	183/C56, C570-C574
0.1	0.1	0.9	4.1	10.9	29.2	62.2	120.7	228.5	629.5	M	Prostate cancer	185/C61
0.2	0.5	1.4	3.4	4.9	10.8	23.1	48.1	77.6	176.1	M	Bladder cancer	188/C67
0.2	0.4	0.7	1.1	1.5	3.5	6.9	12.2	19.0	55.5	F		
6.6	12.5	22.5	37.7	60.9	91.9	143.3	206.1	265.4	469.4	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.8	7.9	11.5	23.6	35.6	57.3	92.1	127.1	180.7	345.3	F		
0.4	0.2	0.3	0.7	0.6	1.0	1.5	1.9	3.2	3.9	M	Hodgkin's disease	201/C81
0.2	0.2	0.1	0.6	0.3	0.5	1.0	1.2	2.0	2.7	F		
1.6	2.1	4.3	8.4	13.4	21.5	33.3	54.5	72.3	103.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.8	1.6	2.3	5.5	8.5	12.4	22.9	36.0	46.8	67.1	F		
1.3	2.0	2.6	4.7	9.1	14.4	25.5	40.3	55.0	100.5	M	Leukaemia	204-208/C91-C95
1.1	1.6	3.0	3.7	5.1	8.8	13.3	20.8	31.2	55.9	F		
1.7	3.1	5.7	8.7	14.3	26.3	54.9	79.4	133.0	328.8	M	Diabetes	250/E10-E14
0.7	1.2	2.2	3.1	5.8	12.8	32.6	63.6	120.2	392.3	F		
22.7	53.1	97.9	166.5	270.4	481.6	925.9	1599.0	2739.2	8451.6	M	ALL VASCULAR DISEASE	390-459/I00-I99
9.0	20.3	33.2	54.9	79.0	174.5	391.8	821.0	1669.7	7705.3	F		
0.2	0.2	0.4	0.5	1.2	2.6	4.6	8.4	13.6	24.9	M	Rheumatic heart disease and fever	390-398/I00-I09
0.1	0.1	0.3	0.4	1.1	2.2	5.9	10.4	16.6	36.7	F		
0.5	1.4	3.0	5.3	10.0	14.8	29.5	49.1	98.0	336.6	M	Hypertensive disease	401-405/I10-I15
0.3	0.8	1.4	2.8	4.6	8.8	18.9	39.4	86.0	450.6	F		
8.4	24.7	51.5	88.8	151.1	265.9	514.2	848.4	1366.8	3625.2	M	Ischaemic heart disease	410-414/I20-I25
1.8	5.7	10.4	18.2	31.2	76.0	179.6	360.6	691.4	2797.6	F		
1.5	4.0	4.7	7.6	11.0	17.1	30.6	43.4	71.6	152.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.3	2.5	3.8	5.2	6.4	11.7	22.3	39.7	59.0	161.0	F		
3.5	7.2	11.9	20.4	34.7	66.9	143.7	280.4	550.6	1729.0	M	Cerebrovascular disease	430-438/I60-I69
2.7	5.7	8.7	12.4	15.5	33.3	76.7	175.8	387.0	1702.9	F		
8.7	15.6	26.4	43.8	62.4	114.3	203.2	369.3	638.5	2583.6	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.7	5.5	8.6	15.9	20.2	42.5	88.4	195.0	429.7	2556.4	F		
1.2	2.0	4.5	10.2	21.3	42.9	101.0	198.8	314.7	696.2	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.8	1.3	2.8	5.8	10.4	14.9	33.2	65.5	98.8	249.8	F		
1.9	3.2	4.7	8.2	12.8	25.5	48.9	96.9	189.3	782.4	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.0	1.5	2.3	3.9	6.4	9.7	21.1	41.5	83.1	495.3	F		
0.3	1.1	1.7	2.3	3.1	4.6	8.6	11.5	18.3	66.0	M	Peptic ulcer	531-533/K25-K27
0.1	0.5	0.8	0.6	1.1	2.2	3.7	7.1	14.5	55.0	F		
11.5	25.2	40.2	48.9	62.8	78.8	87.2	77.8	68.4	72.7	M	Liver cirrhosis	571/K70, K74
5.3	10.4	15.5	22.7	24.9	27.9	29.2	31.9	30.3	34.9	F		
0.3	1.1	1.9	3.3	5.2	8.9	18.6	34.4	66.8	199.7	M	Renal disease	580-590/N00-N19
0.3	0.4	0.9	1.4	2.6	5.4	11.4	21.0	38.8	135.3	F		
0.4	0.0	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.6	0.4	0.7	0.8	0.9	0.8	0.7	0.4	1.1	1.0	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.6	0.4	0.6	0.8	1.4	0.8	0.7	0.9	0.5	1.5	F		
10.4	18.0	24.1	31.6	38.2	46.8	58.7	73.7	94.5	335.1	M	Ill-defined causes	780-799/R00-R99
3.6	6.0	8.9	12.1	13.7	16.4	27.0	39.2	62.1	357.0	F		
19.9	32.2	40.5	50.7	65.3	90.8	141.7	212.6	370.3	1010.5	M	Other medical causes	Rest of 001-799/ rest of A00-R99
8.1	12.1	18.1	27.8	32.4	46.2	77.9	142.3	269.9	851.6	F		
44.9	55.2	56.7	56.5	58.6	60.0	69.6	86.1	118.1	355.9	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
12.5	15.9	16.6	19.4	21.7	23.0	29.6	42.9	68.7	241.7	F		
10.9	12.0	11.3	10.8	8.8	9.0	11.1	12.3	15.5	26.9	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
3.1	4.2	3.0	3.8	3.3	3.5	5.5	6.4	7.4	9.5	F		
0.5	0.8	1.0	0.4	1.0	0.9	0.6	0.9	0.8	4.8	M	Fire	E890-E899/X00-X09
0.3	0.3	0.3	0.4	0.5	0.3	0.4	1.1	1.6	3.5	F		
20.0	25.5	26.2	26.2	26.9	26.5	29.6	34.4	41.4	90.1	M	Suicide	E950-E959/X60-X84
5.2	6.9	8.1	9.0	9.9	10.0	10.8	11.7	12.7	20.7	F		
0.7	1.4	1.2	0.9	0.8	0.9	0.3	0.5	0.5	1.0	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.9	0.8	0.6	0.6	0.5	0.5	0.4	0.6	0.5	0.8	F		
3726	3210	2895	2343	2631	2777	1896	1518	979	736	M	POPULATION	
3514	3060	2858	2309	2647	2894	2119	2067	2044	2123	F	(1000s; UN, 2004 revision)	

<b>GERMANY: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	16132	1207	62	34	1111	71	186	981	319	5702	7666
35-69	Sm.	50912	24058	15567	3974	4517	4095	671	15216	-	6872	-
	Total	164546 (31%)	53934 (45%)	16911 (92%)	6354 (63%)	30669 (15%)	5348 (77%)	2493 (27%)	56782 (27%)	10098	24087 (29%)	11804
70+	Sm.	43216	16623	10757	1158	4708	9320	841	13368	-	3064	-
	Total	229985 (19%)	53193 (31%)	11914 (90%)	1999 (58%)	39280 (12%)	13037 (71%)	7941 (11%)	120732 (11%)	2415	27458 (11%)	5209
Any age	Sm.	94128	40681	26324	5132	9225	13415	1512	28584	-	9936	-
	Total	410663 (23%)	108334 (38%)	28887 (91%)	8387 (61%)	71060 (13%)	18456 (73%)	10620 (14%)	178495 (16%)	12832	57247 (17%)	24679
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	12100	959	32	18	909	62	123	735	182	4338	5701
35-69	Sm.	43198	22111	14576	3571	3964	3069	597	11420	-	6001	-
	Total	149421 (29%)	52102 (42%)	16009 (91%)	5975 (60%)	30118 (13%)	4150 (74%)	2475 (24%)	47331 (24%)	9040	23388 (26%)	10935
70+	Sm.	40817	17472	11716	1200	4556	7800	888	11561	-	3096	-
	Total	227460 (18%)	56564 (31%)	13103 (89%)	2153 (56%)	41308 (11%)	11222 (70%)	9083 (10%)	113294 (10%)	2386	29827 (10%)	5084
Any age	Sm.	84015	39583	26292	4771	8520	10869	1485	22981	-	9097	-
	Total	388981 (22%)	109625 (36%)	29144 (90%)	8146 (59%)	72335 (12%)	15434 (70%)	11681 (13%)	161360 (14%)	11608	57553 (16%)	21720

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	39731	18803	18197	3259	2911	2482	2685	2934	2140	1786	1225	613	893
2000	40159	17449	19478	3726	3210	2895	2343	2631	2777	1896	1518	979	736
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	410663	16132	164546	6295	8572	10597	18587	31674	38339	50482	54339	42448	133198
2000	388981	12100	149421	5245	7965	11331	14292	24266	40025	46297	57769	57373	112318
<b>Lung cancer</b>													
1995	28887	62	16911	102	360	745	1836	3598	4489	5781	5005	2854	4055
2000	29144	32	16009	106	356	809	1486	2974	4854	5424	5690	4156	3257
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	991.2*	82.0*	1043.5*	193.1	294.5	426.9	692.4	1079.5	1791.5	2826.4	4436.2	6926.9	14909.1
2000	893.4*	68.0*	885.1*	140.8	248.1	391.4	610.0	922.2	1441.6	2441.3	3804.6	5863.4	15258.5
<b>All cancer</b>													
1995	261.3*	5.8*	346.6*	24.4	58.1	119.4	232.1	386.6	630.6	974.9	1366.5	1869.6	2798.1
2000	242.7*	5.0*	313.3*	20.6	47.7	105.1	212.2	356.1	556.6	894.7	1282.1	1672.6	2816.2
<b>Lung cancer</b>													
1995	69.5*	0.3*	110.0*	3.1	12.4	30.0	68.4	122.6	209.8	323.7	408.6	465.7	453.9
2000	63.0*	0.1*	97.0*	2.8	11.1	27.9	63.4	113.0	174.8	286.0	374.7	424.7	442.5
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	20.0*	0.1*	38.2*	2.1	11.6	24.7	42.5	55.4	65.0	65.8	66.7	71.0	83.6
2000	18.0*	0.1*	34.6*	2.2	7.9	20.7	36.2	50.5	57.3	67.1	65.6	61.2	75.8
<b>Other cancer</b>													
1995	171.7*	5.4*	198.4*	19.1	34.2	64.7	121.2	208.6	355.8	585.4	891.2	1332.9	2260.6
2000	161.7*	4.8*	181.7*	15.5	28.7	56.4	112.6	192.6	324.5	541.7	841.8	1186.6	2297.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	44.9*	0.4*	36.8*	1.1	2.7	5.8	12.2	26.6	68.9	140.4	256.9	420.2	818.8
2000	35.1*	0.3*	26.2*	1.2	2.0	4.5	10.2	21.3	42.9	101.0	198.8	314.7	696.2
<b>Other respiratory disease</b>													
1995	25.4*	0.9*	16.3*	2.5	4.3	4.8	8.8	14.1	27.8	51.5	98.9	180.8	629.2
2000	28.0*	0.7*	15.0*	1.9	3.2	4.7	8.2	12.8	25.5	48.9	96.9	189.3	782.4
<b>Vascular disease</b>													
1995	429.5*	4.4*	373.3*	30.3	61.7	108.0	196.7	351.8	679.5	1185.3	2045.1	3425.8	8360.1
2000	374.8*	3.7*	288.3*	22.7	53.1	97.9	166.5	270.4	481.6	925.9	1599.0	2739.2	8451.6
<b>Liver cirrhosis</b>													
1995	30.5*	1.2*	59.3*	18.3	31.5	41.1	59.3	78.4	96.5	89.9	87.3	93.2	86.7
2000	25.5*	0.8*	50.7*	11.5	25.2	40.2	48.9	62.8	78.8	87.2	77.8	68.4	72.7
<b>Other medical causes</b>													
1995	140.3*	31.3*	145.6*	57.5	72.8	87.9	116.6	154.1	222.5	307.7	488.8	794.1	1858.6
2000	135.7*	26.3*	134.3*	38.1	61.7	82.3	107.5	140.2	196.1	313.9	463.8	761.2	2083.5
<b>All non-medical causes</b>													
1995	59.3*	37.9*	65.6*	59.0	63.3	59.9	66.6	67.8	65.5	76.8	92.7	143.3	357.6
2000	51.6*	31.1*	57.3*	44.9	55.2	56.7	56.5	58.6	60.0	69.6	86.1	118.1	355.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: GERMANY

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	7468	1130	32	8	1090	64	112	530	128	3354	2150
35-69	Sm.	7063	2845	2190	267	388	926	97	2101	-	1094	-
	Total	83570	36857	3739	995	32123	2069	1081	23456	4012	12055	4040
		(8%)	(8%)	(59%)	(27%)	(1%)	(45%)	(9%)	(9%)		(9%)	
70+	Sm.	16169	3587	2583	300	704	4106	335	6464	-	1677	-
	Total	382887	66592	4489	1155	60948	9399	12097	226926	2473	56902	8498
		(4%)	(5%)	(58%)	(26%)	(1%)	(44%)	(3%)	(3%)		(3%)	
Any age	Sm.	23232	6432	4773	567	1092	5032	432	8565	-	2771	-
	Total	473925	104579	8260	2158	94161	11532	13290	250912	6613	72311	14688
		(5%)	(6%)	(58%)	(26%)	(1%)	(44%)	(3%)	(3%)		(4%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5813	900	29	13	858	43	79	432	83	2609	1667
35-69	Sm.	8121	3763	2954	343	466	850	130	2038	-	1340	-
	Total	75056	34951	4548	1034	29369	1690	1133	18596	3555	11416	3715
		(11%)	(11%)	(65%)	(33%)	(2%)	(50%)	(11%)	(11%)		(12%)	
70+	Sm.	16376	4163	3132	311	720	3869	370	6214	-	1760	-
	Total	368947	65262	5269	1140	58853	8677	13069	214655	2019	57844	7421
		(4%)	(6%)	(59%)	(27%)	(1%)	(45%)	(3%)	(3%)		(3%)	
Any age	Sm.	24497	7926	6086	654	1186	4719	500	8252	-	3100	-
	Total	449816	101113	9846	2187	89080	10410	14281	233683	5657	71869	12803
		(5%)	(8%)	(62%)	(30%)	(1%)	(45%)	(4%)	(4%)		(4%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	41930	17693	18346	3068	2820	2400	2626	2943	2263	2226	2198	1274	2419
2000	42185	16549	19402	3514	3060	2858	2309	2647	2894	2119	2067	2044	2123
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	473925	7468	83570	2718	4166	5263	8990	14414	18277	29742	51269	51800	279818
2000	449816	5813	75056	2557	3896	5745	7332	11716	19358	24452	40671	68915	259361
<b>Lung cancer</b>													
1995	8260	32	3739	63	161	290	460	676	881	1208	1422	1042	2025
2000	9846	29	4548	74	220	405	569	881	1158	1241	1597	1664	2008
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	583.5*	42.4*	490.2*	88.6	147.7	219.3	342.4	489.7	807.5	1336.2	2332.2	4067.5	11566.1
2000	545.6*	35.6*	426.3*	72.8	127.3	201.0	317.5	442.6	668.8	1153.7	1967.3	3371.4	12219.0
<b>All cancer</b>													
1995	155.7*	5.5*	214.5*	32.7	64.5	109.4	178.5	243.1	363.5	509.5	726.2	976.4	1578.7
2000	144.9*	4.8*	197.2*	28.1	54.3	96.3	161.6	237.8	325.5	476.6	659.1	868.4	1596.3
<b>Lung cancer</b>													
1995	13.4*	0.1*	21.9*	2.1	5.7	12.1	17.5	23.0	38.9	54.3	64.7	81.8	83.7
2000	15.6*	0.1*	25.7*	2.1	7.2	14.2	24.6	33.3	40.0	58.6	77.2	81.4	94.6
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.5*	0.0*	5.7*	0.6	1.6	4.1	8.0	6.1	8.3	11.4	13.8	17.3	26.1
2000	3.5*	0.1*	5.8*	0.5	1.6	3.4	6.5	9.1	8.6	11.0	13.1	13.7	27.7
<b>Other cancer</b>													
1995	138.7*	5.3*	186.8*	30.0	57.2	93.2	152.9	214.0	316.2	443.8	647.7	877.3	1468.9
2000	125.7*	4.6*	165.7*	25.5	45.5	78.7	130.6	195.4	277.0	407.0	568.8	773.3	1474.0
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	14.3*	0.3*	12.5*	0.9	1.8	3.0	5.7	10.3	22.0	43.4	77.0	124.4	253.1
2000	12.5*	0.2*	9.9*	0.8	1.3	2.8	5.8	10.4	14.9	33.2	65.5	98.8	249.8
<b>Other respiratory disease</b>													
1995	14.0*	0.6*	6.4*	1.0	2.4	2.1	3.4	5.6	10.1	20.2	40.8	92.1	414.4
2000	15.4*	0.5*	6.6*	1.0	1.5	2.3	3.9	6.4	9.7	21.1	41.5	83.1	495.3
<b>Vascular disease</b>													
1995	269.6*	2.6*	141.3*	12.9	23.1	35.5	59.2	112.3	242.0	504.1	1055.7	2124.5	7302.2
2000	250.7*	2.4*	108.9*	9.0	20.3	33.2	54.9	79.0	174.5	391.8	821.0	1669.7	7705.3
<b>Liver cirrhosis</b>													
1995	12.3*	0.5*	22.7*	6.6	13.1	17.8	25.1	28.1	31.7	36.3	37.6	41.3	46.3
2000	10.3*	0.4*	19.4*	5.3	10.4	15.5	22.7	24.9	27.9	29.2	31.9	30.3	34.9
<b>Other medical causes</b>													
1995	94.1*	20.9*	70.5*	18.3	25.4	34.1	48.1	65.9	112.4	189.2	346.2	621.7	1710.2
2000	91.4*	17.5*	64.5*	16.2	23.6	34.3	49.1	62.6	93.3	172.3	305.4	552.4	1895.7
<b>All non-medical causes</b>													
1995	23.5*	11.8*	22.4*	16.2	17.4	17.5	22.3	24.4	25.8	33.5	48.7	87.2	261.1
2000	20.5*	9.8*	19.8*	12.5	15.9	16.6	19.4	21.7	23.0	29.6	42.9	68.7	241.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## GERMANY: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 12	– / 5.8	–
35–69	43 / 149	8.1 / 75	22 years
70+	41 / 227	16 / 369	8 years
All ages	84 / 389	24 / 450	15 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

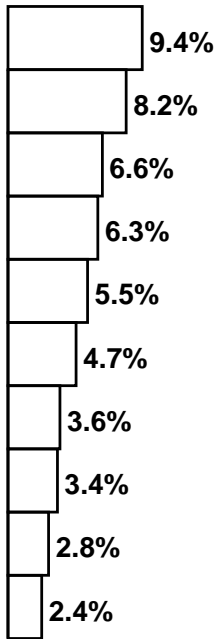
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	15/16	12/13	26/29	–/0.0	3.0/4.5	3.1/5.3	6.1/9.8
All Cancer	–/1.0	22/52 (42%)	17/57 (31%)	40/110	–/0.9	3.8/35 (11%)	4.2/65 (6%)	7.9/101
Vascular	–/0.7	11/47	12/113	23/161	–/0.4	2.0/19	6.2/215	8.3/234
Respiratory	–/0.2	3.7/6.6	8.7/20	12/27	–/0.1	1.0/2.8	4.2/22	5.2/25
All Other	–/10	6.0/43	3.1/37	9.1/91	–/4.4	1.3/19	1.8/67	3.1/90
All Causes	–/12	43/149 (29%)	41/227 (18%)	84/389	–/5.8	8.1/75 (11%)	16/369 (4%)	24/450

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	40 / 110 (36%)	7.9 / 101 (8%)	48 / 211 (23%)
All Causes	84 / 389 (22%)	24 / 450 (5%)	109 / 839 (13%)

1955-2000: GERMANY

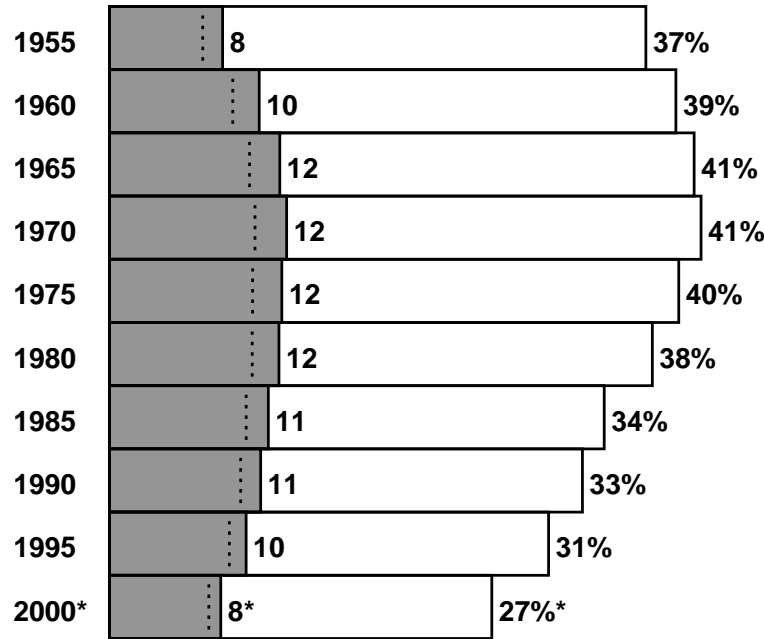
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

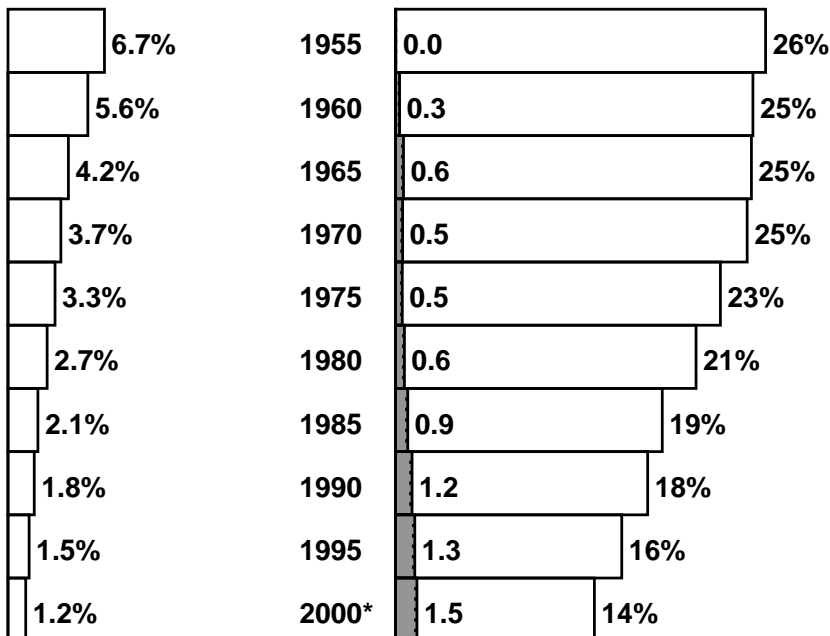
\*eg, at year 2000 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 8 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## GERMANY: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/50	34/153 (22%)	9.0/181 (5%)	43/384	-/36	0.2/129 (0.1%)	0.0/207	0.2/371
1960	-/48	47/173 (27%)	17/208 (8%)	64/430	-/31	1.5/135 (1%)	0.3/245 (0.1%)	1.8/411
1965	-/41	57/193 (29%)	28/225 (12%)	84/459	-/25	3.1/142 (2%)	3.7/282 (1%)	6.9/449
1970	-/38	60/200 (30%)	42/245 (17%)	102/483	-/21	2.9/143 (2%)	3.2/329 (1%)	6.1/493
1975	-/30	54/180 (30%)	56/271 (21%)	109/481	-/16	2.8/129 (2%)	4.4/364 (1%)	7.1/508
1980	-/25	48/156 (31%)	55/274 (20%)	104/456	-/13	3.1/107 (3%)	6.1/376 (2%)	9.2/496
1985	-/20	46/141 (33%)	54/272 (20%)	100/434	-/10	4.1/89 (5%)	7.2/396 (2%)	11/496
1990	-/20	52/162 (32%)	43/243 (18%)	95/425	-/9.3	6.2/94 (7%)	10/393 (3%)	17/496
1995	-/16	51/165 (31%)	43/230 (19%)	94/411	-/7.5	7.1/84 (8%)	16/383 (4%)	23/474
2000	-/12	43/149 (29%)	41/227 (18%)	84/389	-/5.8	8.1/75 (11%)	16/369 (4%)	24/450

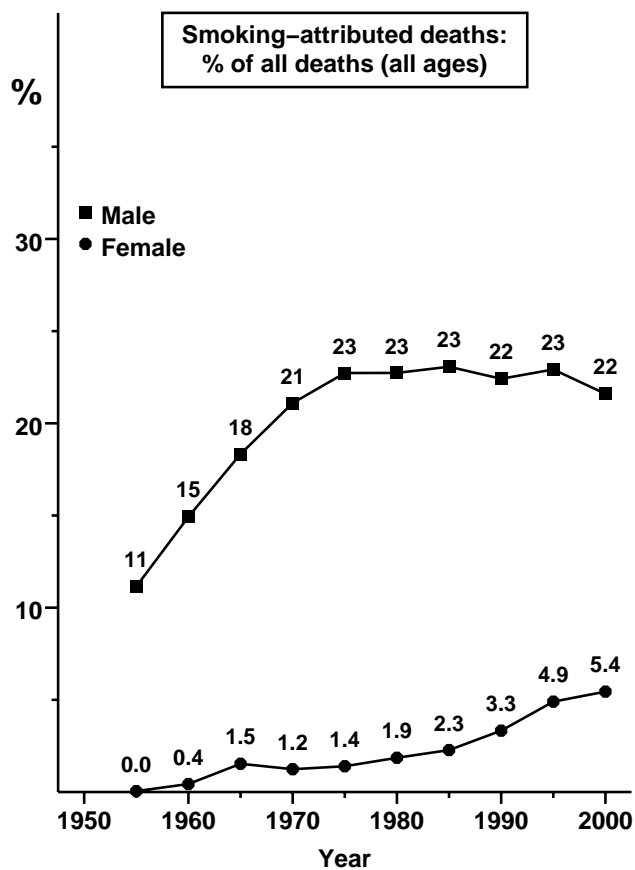
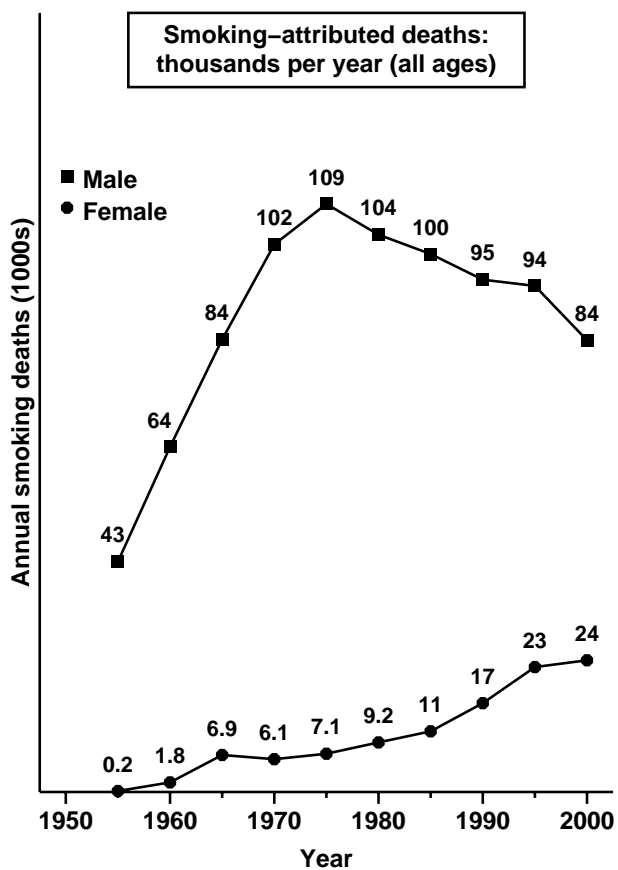
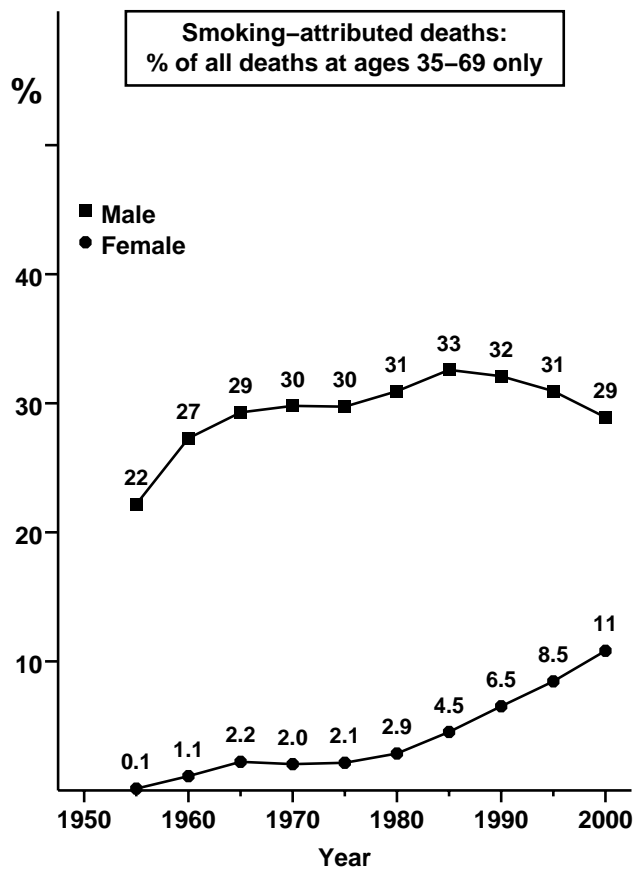
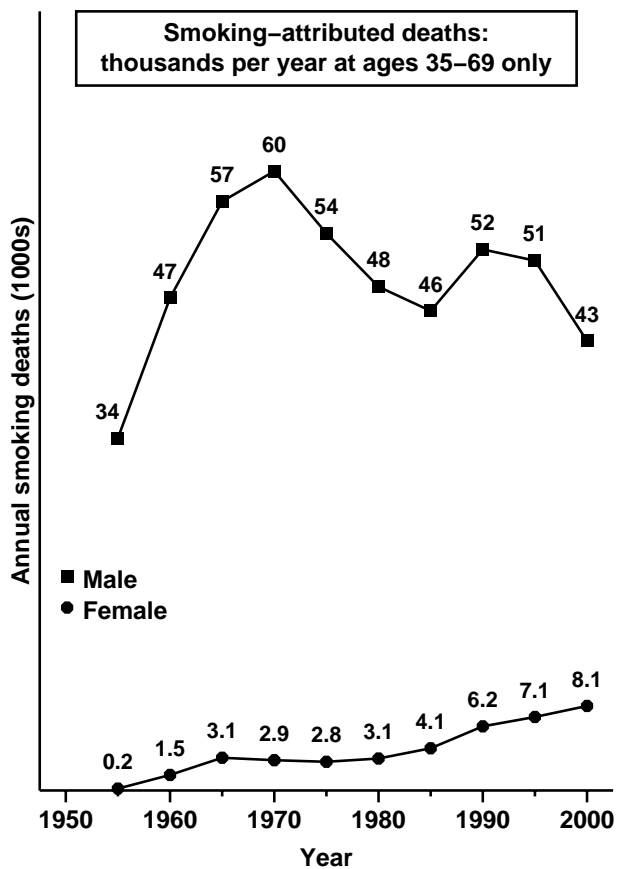
50-year total\* (M=millions), mid-1950 to mid-2000: **4.8/ 45M**

1950-2000 by age & sex:

-/1.6M	2.4/8.3M	1.9/12M	4.3/22M	-/0.9M	0.2/5.7M	0.3/16M	0.5/23M
	(29%)	(16%)			(3%)	(2%)	

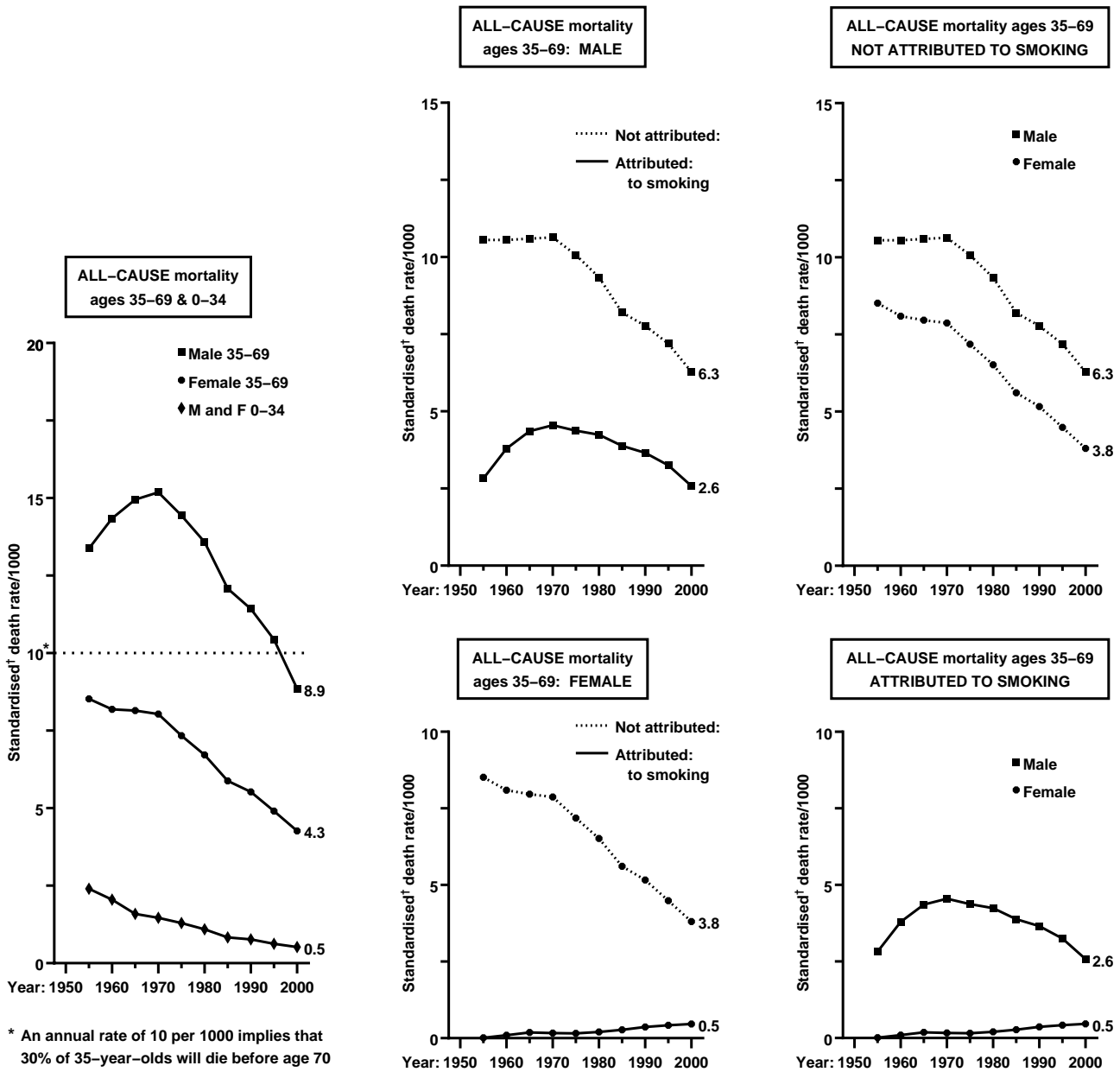
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: GERMANY



**GERMANY: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

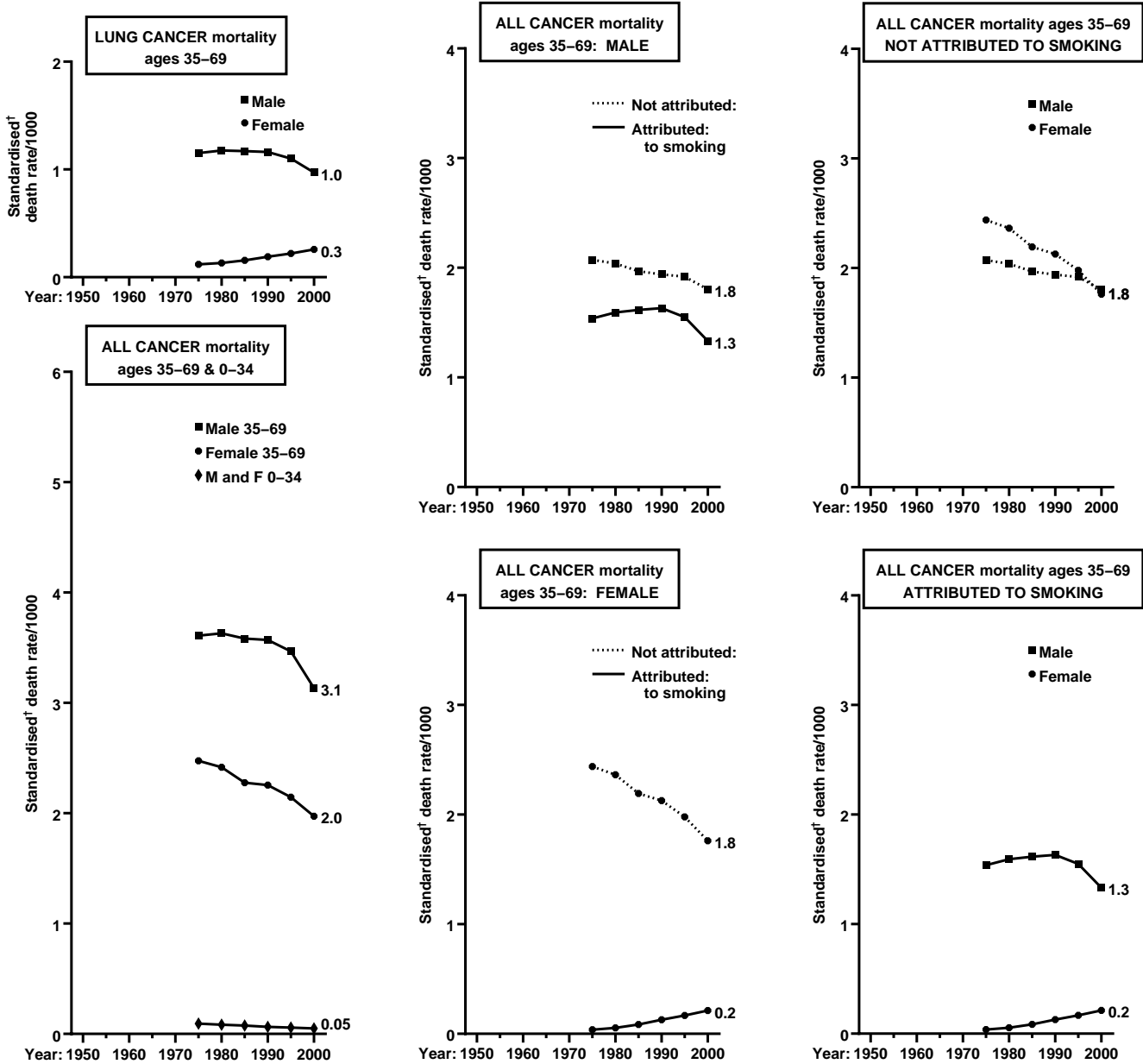
Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	-	2.81	2.82	10.6	4.20	71.2	-	1.99	0.01	8.51	0.00	62.6	-	1.99	0.01	8.51
1960	-	2.46	3.79	10.6	7.30	71.3	-	1.64	0.09	8.09	0.10	59.9	-	1.64	0.09	8.09
1965	-	1.94	4.35	10.6	11.4	69.6	-	1.23	0.18	7.96	0.87	56.4	-	1.23	0.18	7.96
1970	-	1.85	4.55	10.6	16.6	68.9	-	1.07	0.16	7.87	0.66	56.5	-	1.07	0.16	7.87
1975	-	1.63	4.37	10.1	19.5	67.2	-	0.95	0.15	7.18	0.73	52.9	-	0.95	0.15	7.18
1980	-	1.39	4.24	9.34	16.9	59.7	-	0.79	0.20	6.51	0.84	44.4	-	0.79	0.20	6.51
1985	-	1.05	3.88	8.20	16.0	56.6	-	0.60	0.27	5.61	0.99	40.4	-	0.60	0.27	5.61
1990	-	1.00	3.65	7.77	13.3	50.4	-	0.53	0.36	5.16	1.38	35.4	-	0.53	0.36	5.16
1995	-	0.82	3.25	7.19	12.5	44.3	-	0.42	0.42	4.48	1.76	30.2	-	0.42	0.42	4.48
2000	-	0.68	2.58	6.27	10.2	38.1	-	0.36	0.46	3.80	1.72	25.0	-	0.36	0.46	3.80

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)



1975-2000: GERMANY

ALL CANCER mortality rates attributed and not attributed to smoking



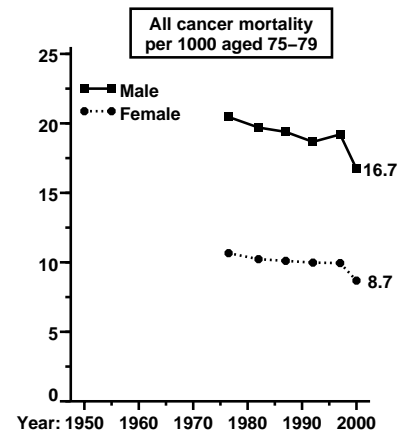
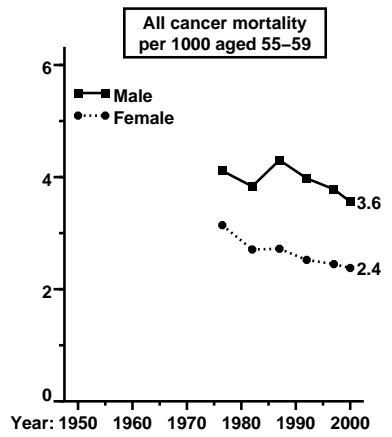
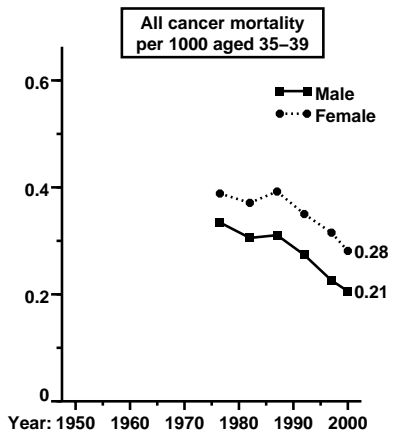
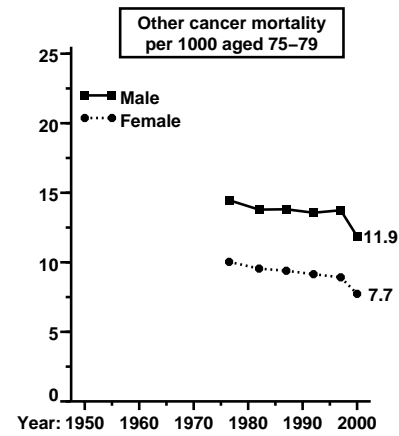
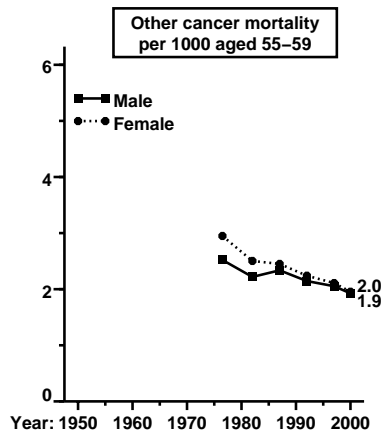
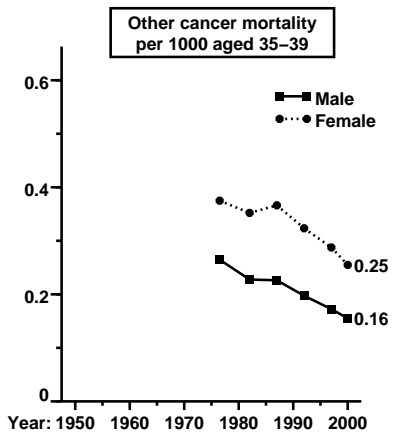
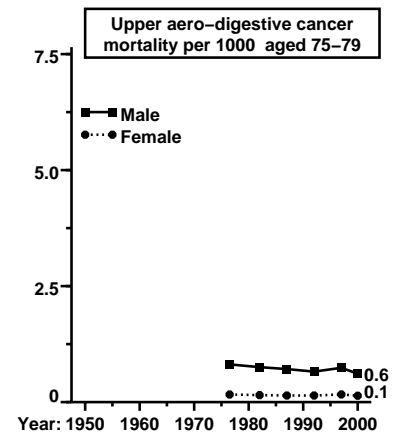
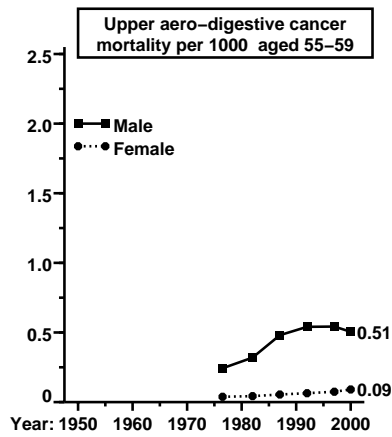
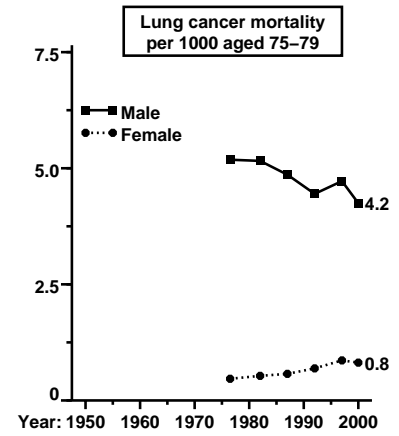
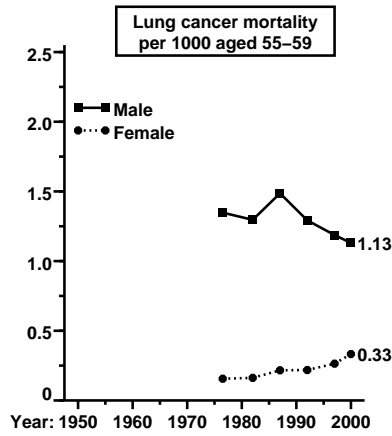
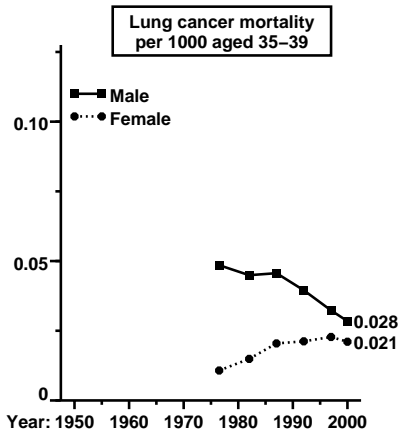
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	-	0.10	1.54	2.07	6.55	11.5	-	0.08	0.04	2.44	0.14	9.23				
1980	-	0.09	1.59	2.04	6.38	10.7	-	0.07	0.05	2.36	0.20	8.66				
1985	-	0.08	1.61	1.97	6.25	10.8	-	0.07	0.08	2.19	0.25	8.62				
1990	-	0.07	1.63	1.94	5.66	10.8	-	0.06	0.13	2.13	0.39	8.20				
1995	-	0.06	1.55	1.92	5.70	10.5	-	0.06	0.17	1.98	0.55	7.96				
2000	-	0.05	1.33	1.80	5.07	9.71	-	0.05	0.21	1.76	0.61	7.03				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**GERMANY: 1975-2000**

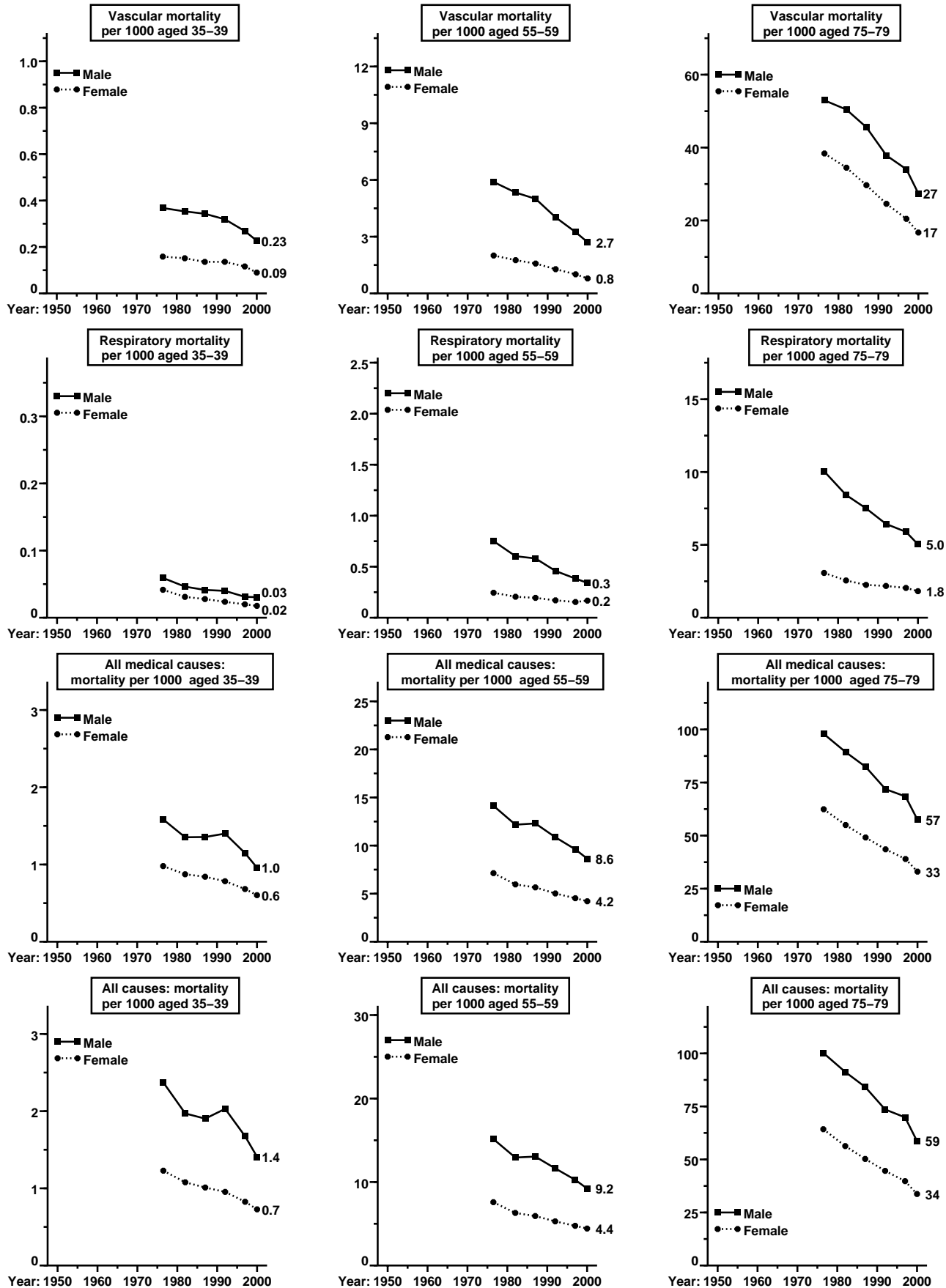
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1975-79,....,1995-99; then year 2000 separately

**1975-2000: GERMANY**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1975-79,.....,1995-99; then year 2000 separately

## GREECE: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	55455	2231	16538	825.1	83.3	776.6	148.8	12.9	16.7	68.8	111.6	111.9	112.1
	F	49764	861	7927	543.0	37.4	339.1	111.9	12.5	9.7	27.6	31.6	31.5	37.3
Tuberculosis	M	62	3	26	1.0	0.1	1.2	-	-	-	-	-	0.2	0.5
	F	21	-	11	0.3	-	0.5	-	-	-	-	-	-	-
HIV	M	23	3	20	0.4	0.1	0.9	-	-	-	-	-	0.2	0.5
	F	6	2	4	0.1	0.1	0.2	-	-	-	-	-	0.2	0.2
Other infective and parasitic	M	195	34	55	3.2	1.5	2.5	7.1	-	0.3	1.3	0.7	0.5	0.9
	F	215	11	35	2.5	0.6	1.5	3.1	0.4	0.3	-	-	0.2	-
ALL CANCER	M	14663	168	6013	220.0	6.0	286.0	1.9	3.9	4.2	4.4	6.8	8.0	13.0
	F	9100	135	3400	112.5	5.1	145.4	3.1	2.3	2.8	4.3	5.2	6.1	12.1
Mouth and pharynx cancer	M	172	4	96	2.8	0.1	4.5	-	-	-	-	0.2	0.2	0.5
	F	78	-	33	1.0	-	1.4	-	-	-	-	-	-	-
Oesophagus cancer	M	143	1	65	2.1	0.0	3.1	-	-	-	-	-	-	0.2
	F	43	-	10	0.5	-	0.4	-	-	-	-	-	-	-
Stomach cancer	M	836	4	340	12.4	0.1	16.2	-	-	-	-	-	0.2	0.7
	F	497	5	145	5.9	0.2	6.2	-	-	-	-	0.2	0.5	0.5
Colorectal cancer	M	952	4	312	13.8	0.1	14.8	-	-	-	-	-	0.5	0.5
	F	872	5	234	10.1	0.2	10.1	-	-	-	-	0.2	0.5	0.5
Liver cancer	M	139	2	77	2.2	0.1	3.7	0.4	-	-	-	0.2	-	-
	F	36	1	12	0.4	0.0	0.5	-	-	-	0.3	-	-	-
Pancreas cancer	M	629	2	282	9.5	0.1	13.5	-	-	-	-	-	-	0.5
	F	510	1	163	6.0	0.0	7.0	-	-	-	-	-	-	0.2
Larynx cancer	M	286	-	131	4.3	-	6.3	-	-	-	-	-	-	-
	F	27	-	11	0.3	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	4725	11	2391	72.4	0.4	113.8	-	-	-	0.3	0.2	0.5	1.6
	F	870	5	372	11.0	0.2	16.0	0.4	-	-	-	-	0.5	0.5
Malignant melanoma	M	78	3	49	1.2	0.1	2.2	-	-	-	-	-	0.2	0.5
	F	53	3	24	0.7	0.1	1.0	-	-	-	0.3	-	0.2	0.2
Female breast cancer	F	1603	12	793	21.3	0.4	33.8	-	-	-	-	-	0.2	2.6
Cervix cancer	F	108	4	54	1.5	0.1	2.2	-	-	-	-	-	-	0.9
Other uterine cancer	F	263	3	106	3.3	0.1	4.5	-	-	-	-	-	0.2	0.5
Ovarian cancer	F	403	4	218	5.4	0.1	9.4	-	-	-	-	-	0.5	0.5
Prostate cancer	M	1253	-	161	17.5	-	7.9	-	-	-	-	-	-	-
Bladder cancer	M	737	1	198	10.6	0.0	9.7	-	-	-	-	-	-	0.2
	F	176	-	27	1.9	-	1.2	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	3678	80	1531	55.6	2.9	72.6	0.7	2.5	2.9	1.8	2.7	3.6	6.2
	F	2765	55	950	33.6	2.2	40.6	2.7	1.1	2.1	1.7	2.2	2.4	3.3
Hodgkin's disease	M	139	11	71	2.2	0.4	3.2	-	-	-	0.3	1.1	0.5	0.7
	F	107	13	37	1.4	0.5	1.6	-	-	-	0.6	0.7	0.7	1.2
Myeloma and non-Hodgkin lymphomas	M	308	10	127	4.6	0.3	6.0	-	-	-	0.8	0.7	0.5	0.5
	F	268	7	88	3.2	0.3	3.8	-	-	-	0.3	0.5	-	0.7
Leukaemia	M	588	35	182	8.8	1.3	8.7	0.7	1.4	1.3	1.3	1.6	1.8	1.1
	F	421	17	123	5.0	0.7	5.3	-	1.1	0.3	1.1	1.2	0.2	0.7
Diabetes	M	345	2	132	5.1	0.1	6.3	0.4	-	-	-	-	-	0.2
	F	494	2	119	5.5	0.1	5.1	-	-	-	-	-	-	0.5
ALL VASCULAR DISEASE	M	24885	148	6323	361.4	4.9	298.6	0.7	-	1.0	1.3	4.8	8.9	17.8
	F	27398	73	2543	280.1	2.6	109.6	0.4	0.8	0.3	0.9	4.2	5.6	6.1
Rheumatic heart disease and fever	M	7	-	3	0.1	-	0.1	-	-	-	-	-	-	-
	F	19	-	4	0.2	-	0.2	-	-	-	-	-	-	-
Hypertensive disease	M	463	2	94	6.6	0.1	4.5	-	-	-	-	-	0.2	0.2
	F	580	2	79	6.1	0.1	3.4	-	-	-	-	-	-	0.5
Ischaemic heart disease	M	7975	70	3417	121.4	2.3	160.2	-	-	-	-	2.5	3.4	10.0
	F	4935	12	902	53.4	0.4	38.9	-	-	-	-	1.0	1.7	0.2
Pulmonary embolism and other venous	M	281	8	94	4.2	0.3	4.3	0.4	-	-	-	0.2	0.9	0.5
	F	386	1	77	4.3	0.0	3.3	-	-	-	-	-	-	0.2
Cerebrovascular disease	M	7867	23	1351	111.8	0.8	64.3	-	-	0.3	0.8	0.9	1.6	1.8
	F	10886	26	818	110.3	1.0	35.2	-	0.8	0.3	0.6	1.2	1.9	1.9
Other vascular disease	M	8292	45	1364	117.4	1.5	65.1	0.4	-	0.6	0.5	1.1	2.7	5.2
	F	10592	32	663	106.0	1.1	28.6	0.4	-	-	0.3	2.0	1.9	3.3
Chronic obstructive pulmonary disease	M	989	2	179	13.9	0.1	8.6	-	-	-	0.3	-	-	0.2
	F	472	2	63	5.0	0.1	2.7	-	-	-	-	-	-	0.5
Other respiratory disease	M	3304	95	668	47.8	3.5	31.2	5.2	0.7	0.3	2.3	4.3	5.2	6.2
	F	3230	32	330	33.6	1.5	14.0	5.1	0.4	1.0	1.1	-	1.5	1.2
Peptic ulcer	M	168	1	44	2.5	0.0	2.0	-	-	-	0.3	-	-	-
	F	125	-	12	1.3	-	0.5	-	-	-	-	-	-	-
Liver cirrhosis	M	475	3	277	7.5	0.1	12.8	-	-	0.3	-	-	-	0.5
	F	225	2	76	2.7	0.1	3.3	-	-	-	-	-	-	0.5
Renal disease	M	799	7	175	11.4	0.3	8.3	0.7	-	0.3	-	0.2	0.2	0.5
	F	739	5	110	7.9	0.2	4.7	-	-	-	-	0.2	0.5	0.5
Pregnancy, birth	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Congenital and perinatal causes	M	318	318	-	9.3	16.7	-	111.7	1.4	1.6	2.1	-	-	-
	F	242	242	-	7.5	13.5	-	89.5	2.7	1.4	0.9	-	-	-
Ill-defined causes	M	3918	64	574	55.8	2.3	27.2	4.1	-	0.3	1.6	2.5	3.2	4.8
	F	4516	28	336	45.7	1.1	14.4	2.7	0.4	-	0.6	1.0	1.7	1.6
Other medical causes	M	1930	103	594	28.9	3.9	27.7	6.3	0.7	1.6	3.1	4.5	5.5	5.2
	F	1865	57	421	21.5	2.3	17.9	3.5	0.4	1.4	2.3	3.0	3.4	2.1
ALL NON-MEDICAL CAUSES	M	3381	1280	1458	56.8	43.7	63.2	10.8	6.1	6.7	52.3	87.8	80.1	61.9
	F	1116	270	467	16.8	10.3	19.3	4.3	5.3	2.4	17.6	18.0	12.4	12.1
Road traffic accidents	M	1690	727	687	28.5	24.8	29.6	3.0	3.2	5.5	36.5	51.8	42.5	31.0
	F	490	155	218	7.7	5.8	9.0	2.0	2.3	0.7	10.2	13.3	6.1	6.3
Fire	M	72	13	24	1.2	0.5	1.0	1.1	-	-	0.3	0.9	0.5	0.7
	F	46	5	8	0.6	0.2	0.3	0.4	0.8	-	-	0.5	-	-
Suicide	M	298	90	156	5.0	3.0	6.7	-	-	0.6	3.1	4.3	7.5	5.5
	F	84	24	42	1.3	0.9	1.7	-	-	-	2.0	0.7	1.2	2.1
Homicide	M	85	31	49	1.5	1.0	2.1	-	-	-	0.3	1.6	3.6	1.6
	F	40	8	17	0.6	0.3	0.7	0.4	-	-	0.3	0.2	0.5	0.7
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				5422.8	2566.9	2325.5		269.4	280.0	311.7	386.5	441.7	439.5	438.1
				5552.4	2405.5	2452.2		254.8	263.1	289.7	351.6	404.7	412.2	429.4

## 2000: GREECE

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
149.3	216.5	332.6	549.5	827.3	1297.6	2063.2	3399.7	5756.9	14064.6	M	ALL CAUSES	001-999/A00-Y89
62.8	88.3	150.3	228.3	327.4	537.8	978.7	1894.6	4097.4	13099.5	F		
1.0	0.3	0.6	1.5	0.7	2.3	1.7	2.8	7.1	11.1	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.3	-	0.3	0.6	-	0.9	1.2	1.0	0.5	2.8	F		
0.5	0.8	1.7	0.9	0.7	1.0	0.3	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.5	-	0.6	-	-	-	-	-	-	-	F		
1.0	0.8	1.7	1.2	0.7	3.7	8.6	7.7	16.4	44.5	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.5	0.5	0.3	1.1	1.0	2.9	4.0	9.4	17.4	51.4	F		
20.2	49.8	103.5	205.2	335.4	506.2	781.8	1162.9	1645.8	2300.2	M	ALL CANCER	140-208/C00-C97
21.6	44.3	78.6	122.0	164.1	241.5	345.5	515.1	799.2	1205.6	F		
0.5	1.0	4.2	4.4	7.1	7.0	6.9	13.4	7.1	20.2	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	-	2.0	0.6	2.1	2.0	2.7	4.4	6.5	9.4	F		
0.3	0.3	1.1	2.4	3.0	5.0	9.7	11.4	10.0	24.3	M	Oesophagus cancer	150/C15
-	0.3	0.3	0.6	0.3	1.2	0.3	2.3	3.8	9.0	F		
1.8	2.3	5.6	10.1	15.6	26.7	51.1	71.1	92.7	130.0	M	Stomach cancer	151/C16
1.5	1.5	4.2	5.2	6.6	10.2	14.0	29.5	45.7	82.5	F		
1.0	3.7	3.6	8.0	10.8	28.4	48.3	75.5	119.7	196.0	M	Colorectal cancer	153, 154/C18-C21
0.8	2.3	3.3	8.9	11.8	16.6	26.8	46.5	86.0	158.4	F		
-	0.3	0.8	3.0	4.8	8.0	9.0	14.2	7.8	9.7	M	Liver cancer	155.0/C22 excl C221
-	0.3	-	0.3	0.3	0.9	1.8	2.3	5.4	2.8	F		
1.0	1.6	4.2	9.8	15.3	23.7	38.7	50.4	59.2	95.9	M	Pancreas cancer	157/C25
0.3	0.8	3.1	5.5	6.3	12.3	21.0	30.8	62.6	65.5	F		
-	0.8	1.4	5.6	8.6	9.3	18.3	25.2	33.5	32.0	M	Larynx cancer	161/C32
-	-	0.3	0.9	0.7	0.6	0.9	2.0	1.6	3.3	F		
4.9	17.0	43.2	89.9	140.0	210.2	291.4	398.1	493.9	451.7	M	Lung cancer	162/C33, C34
0.8	3.6	8.4	14.6	19.5	27.2	38.1	59.6	73.4	84.9	F		
0.8	1.3	2.0	0.9	1.9	5.0	3.8	5.3	2.1	6.9	M	Malignant melanoma	172/C43
0.3	0.5	0.6	1.4	1.0	0.9	2.4	3.0	2.2	6.1	F		
5.3	10.9	24.3	33.9	42.1	60.7	59.4	79.7	117.0	162.7	F	Female breast cancer	174/C50
1.3	2.5	2.5	2.9	2.1	2.3	1.8	5.7	7.1	9.4	F	Cervix cancer	180/C53
1.8	0.8	1.4	3.2	5.9	8.5	10.4	13.1	23.9	33.5	F	Other uterine cancer	179, 182/C54, C55
1.0	2.5	5.6	6.0	12.5	16.4	21.6	19.7	28.8	32.5	F	Ovarian cancer	183/C56, C570-C574
-	0.3	0.8	1.8	7.1	15.0	30.0	82.5	171.1	451.0	M	Prostate cancer	185/C61
-	0.8	1.1	3.6	13.8	17.7	30.7	60.5	96.9	175.8	M	Bladder cancer	188/C67
-	-	-	1.7	1.4	1.8	3.3	9.0	17.4	42.4	F		
7.2	14.1	27.8	56.6	86.7	120.8	194.8	277.4	426.9	545.5	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
6.9	13.2	18.1	31.6	41.0	65.1	108.1	161.0	241.0	394.2	F		
1.3	2.3	2.8	1.5	3.0	5.0	6.6	9.3	13.5	10.4	M	Hodgkin's disease	201/C81
0.5	1.3	1.1	1.1	1.4	1.5	4.0	5.7	8.2	11.8	F		
1.0	1.6	2.5	3.0	7.1	9.3	17.6	24.4	33.5	44.5	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	1.5	1.1	1.7	3.8	7.0	11.3	15.7	27.2	35.8	F	Leukaemia	204-208/C91-C95
0.5	2.6	2.2	4.7	10.8	15.0	24.9	44.3	77.7	106.3	M		
0.8	2.3	2.5	2.0	5.2	6.4	17.7	25.1	41.3	61.3	F		
-	2.9	-	3.0	7.1	10.7	20.7	25.6	38.5	65.3	M	Diabetes	250/E10-E14
-	0.3	1.7	2.6	4.2	9.3	18.0	29.8	56.6	84.9	F		
37.4	68.1	125.4	208.5	307.1	499.2	844.3	1465.5	2687.1	7669.2	M	ALL VASCULAR DISEASE	390-459/I00-199
11.7	16.3	28.7	49.4	91.8	169.3	400.0	915.0	2290.5	8410.2	F		
-	0.3	-	-	-	0.3	0.3	0.4	-	2.1	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	-	-	0.3	0.9	1.0	3.3	2.8	F		
0.8	0.3	1.1	2.1	4.8	7.0	15.5	28.8	42.1	164.7	M	Hypertensive disease	401-405/I10-I15
0.3	0.3	2.2	0.9	2.1	5.0	13.1	24.4	53.9	154.2	F		
22.0	44.1	80.5	138.2	189.9	262.6	384.0	553.6	823.9	1368.3	M	Ischaemic heart disease	410-414/I20-I25
3.8	6.9	9.8	20.4	38.6	59.9	133.3	234.6	490.2	1140.5	F		
1.3	2.9	2.2	2.4	4.1	4.7	12.8	19.5	25.7	66.0	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	1.5	2.0	2.0	3.5	4.1	9.4	22.4	31.6	86.3	F		
7.2	12.0	20.2	35.3	58.1	116.1	201.0	441.1	943.0	2838.1	M	Cerebrovascular disease	430-438/I60-I69
3.3	5.6	9.8	14.9	27.8	56.4	128.8	338.0	940.2	3443.7	F		
6.1	8.6	21.3	30.5	50.3	108.4	230.7	422.0	852.5	3230.0	M	Other vascular disease	Rest of 390-459/ rest of I00-199
3.8	2.0	5.0	11.2	19.8	43.8	114.5	294.5	771.5	3582.7	F		
0.5	0.8	2.2	3.3	6.0	18.0	29.4	74.7	147.5	289.8	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	-	1.7	2.6	2.8	4.1	7.6	17.1	41.9	131.5	F		
9.0	11.2	9.8	18.1	27.9	56.1	86.7	166.5	343.5	1145.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
3.0	3.8	5.9	7.5	8.7	21.0	48.4	105.8	257.9	979.7	F		
0.3	0.8	1.1	2.1	2.6	3.7	3.8	7.7	19.2	53.5	M	Peptic ulcer	531-533/K25-K27
-	0.3	-	-	1.0	1.5	0.9	5.0	15.2	33.0	F		
1.3	4.7	8.4	12.8	11.5	23.4	27.6	34.1	38.5	39.6	M	Liver cirrhosis	571/K70, K74
0.3	1.0	1.7	1.7	4.2	5.5	8.5	13.7	20.1	32.5	F		
0.5	2.9	2.0	4.2	7.8	14.0	26.9	56.1	89.1	246.0	M	Renal disease	580-590/N00-N19
0.5	0.8	1.1	2.0	4.5	8.8	15.5	32.8	78.9	179.6	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
-	-	-	-	-	-	-	-	-	-	M	Ill-defined causes	780-799/R00-R99
4.1	6.5	8.7	13.6	23.5	45.4	88.7	168.6	401.3	1599.7	M		
1.5	2.3	5.9	6.9	10.1	25.1	49.0	126.5	289.4	1528.5	F		
6.1	11.5	15.7	16.9	31.3	42.0	70.1	127.9	204.6	438.5	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.4	6.4	7.0	13.8	17.7	24.5	48.4	85.3	166.5	389.4	F		
67.4	55.6	51.9	58.4	64.8	72.1	72.5	99.5	118.3	161.2	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
15.2	12.5	17.0	18.1	17.4	23.4	31.7	38.2	63.1	70.2	F		
31.8	28.2	26.9	27.0	30.5	30.7	32.5	44.3	60.6	57.0	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
7.9	5.9	8.4	6.6	8.0	10.8	15.5	16.1	18.0	17.0	F		
1.0	1.3	1.4	0.3	0.4	2.0	0.7	2.4	7.1	13.2	M	Fire	E890-E899/X00-X09
0.3	-	-	0.3	0.7	0.6	0.6	1.7	6.0	8.0	F		
6.7	6.5	5.3	8.0	6.3	7.0	7.3	8.9	8.6	12.5	M	Suicide	E950-E959/X60-X84
1.3	1.3	0.6	3.7	0.7	3.2	1.2	2.0	3.8	2.4	F		
3.6	1.3	1.1	2.1	2.2	2.7	1.7	1.2	0.7	0.7	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.8	0.8	0.8	0.6	0.3	0.6	0.9	1.3	3.3	2.4	F		
390.4	383.4	356.6	337.2	268.6	299.7	289.6	246.2	140.3	143.9	M	POPULATION	
393.6	393.0	358.6	348.3	287.7	342.5	328.5	298.8	183.8	212.1	F	(1000s; UN, 2004 revision)	

<b>GREECE: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
Total	2407	206	22	7	177	2	57	142	7	656	1337
35-69 Sm.	5584	2991	2240	202	549	98	147	1846	-	502	-
Total	17093 (33%)	6272 (48%)	2420 (93%)	311 (65%)	3541 (16%)	127 (77%)	531 (28%)	6599 (28%)	291	1795 (28%)	1478
70+ Sm.	5831	2570	1776	157	637	408	209	2045	-	599	-
Total	33350 (17%)	7181 (36%)	1954 (91%)	265 (59%)	4962 (13%)	558 (73%)	1817 (12%)	17780 (12%)	168	5254 (11%)	592
Any age Sm.	11415	5561	4016	359	1186	506	356	3891	-	1101	-
Total	52850 (22%)	13659 (41%)	4396 (91%)	583 (62%)	8680 (14%)	687 (74%)	2405 (15%)	24521 (16%)	466	7705 (14%)	3407
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
Total	2231	168	11	5	152	2	95	148	3	535	1280
35-69 Sm.	5475	2912	2211	188	513	138	188	1781	-	456	-
Total	16538 (33%)	6013 (48%)	2391 (92%)	292 (64%)	3330 (15%)	179 (77%)	668 (28%)	6323 (28%)	277	1620 (28%)	1458
70+ Sm.	6586	3007	2103	178	726	585	281	2087	-	626	-
Total	36686 (18%)	8482 (35%)	2323 (91%)	304 (59%)	5855 (12%)	808 (72%)	2541 (11%)	18414 (11%)	195	5603 (11%)	643
Any age Sm.	12061	5919	4314	366	1239	723	469	3868	-	1082	-
Total	55455 (22%)	14663 (40%)	4725 (91%)	601 (61%)	9337 (13%)	989 (73%)	3304 (14%)	24885 (16%)	475	7758 (14%)	3381

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	5264.3	2575.0	2256.6	377.7	353.8	340.5	276.2	311.7	312.5	284.2	177.2	115.6	139.9
2000	5422.8	2566.9	2325.5	390.4	383.4	356.6	337.2	268.6	299.7	289.6	246.2	140.3	143.9
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	52850	2407	17093	580	782	1160	1480	2615	4311	6165	6520	7046	19784
2000	55455	2231	16538	583	830	1186	1853	2222	3889	5975	8370	8077	20239
<b>Lung cancer</b>													
1995	4396	22	2420	32	75	140	230	388	656	899	753	588	613
2000	4725	11	2391	19	65	154	303	376	630	844	980	693	650
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	856.9*	94.3*	805.5*	153.6	221.0	340.7	535.8	838.9	1379.5	2169.2	3679.5	6095.2	14141.5
2000	825.1*	83.3*	776.6*	149.3	216.5	332.6	549.5	827.3	1297.6	2063.2	3399.7	5756.9	14064.6
<b>All cancer</b>													
1995	224.8*	7.8*	297.4*	25.2	59.1	110.7	195.1	322.7	552.3	816.3	1221.8	1626.3	2241.6
2000	220.0*	6.0*	286.0*	20.2	49.8	103.5	205.2	335.4	506.2	781.8	1162.9	1645.8	2300.2
<b>Lung cancer</b>													
1995	73.5*	0.9*	115.0*	8.5	21.2	41.1	83.3	124.5	209.9	316.3	424.9	508.7	438.2
2000	72.4*	0.4*	113.8*	4.9	17.0	43.2	89.9	140.0	210.2	291.4	398.1	493.9	451.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	9.8*	0.2*	14.6*	1.6	3.4	7.3	13.0	18.6	26.6	32.0	48.0	51.9	85.8
2000	9.2*	0.2*	13.8*	0.8	2.1	6.7	12.5	18.6	21.4	34.9	50.0	50.6	76.4
<b>Other cancer</b>													
1995	141.5*	6.7*	167.7*	15.1	34.5	62.3	98.8	179.7	315.8	468.0	748.9	1065.7	1717.7
2000	138.3*	5.5*	158.4*	14.6	30.8	53.6	102.9	176.8	274.6	455.5	714.9	1101.2	1772.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	10.7*	0.1*	6.1*	0.3	0.6	0.9	3.3	4.8	10.9	22.2	53.6	99.5	248.7
2000	13.9*	0.1*	8.6*	0.5	0.8	2.2	3.3	6.0	18.0	29.4	74.7	147.5	289.8
<b>Other respiratory disease</b>													
1995	37.9*	2.3*	25.1*	5.8	4.5	8.5	13.4	25.0	43.5	74.9	164.2	300.2	842.7
2000	47.8*	3.5*	31.2*	9.0	11.2	9.8	18.1	27.9	56.1	86.7	166.5	343.5	1145.9
<b>Vascular disease</b>													
1995	387.4*	5.1*	312.7*	38.4	68.4	120.7	198.0	326.3	540.8	896.2	1652.4	3097.8	8056.5
2000	361.4*	4.9*	298.6*	37.4	68.1	125.4	208.5	307.1	499.2	844.3	1465.5	2687.1	7669.2
<b>Liver cirrhosis</b>													
1995	8.0*	0.3*	13.7*	1.9	4.0	7.3	12.7	14.8	26.9	28.1	33.3	37.2	47.2
2000	7.5*	0.1*	12.8*	1.3	4.7	8.4	12.8	11.5	23.4	27.6	34.1	38.5	39.6
<b>Other medical causes</b>													
1995	127.6*	31.5*	84.8*	17.2	25.7	32.0	51.0	76.7	137.9	253.0	459.9	799.3	2512.5
2000	117.6*	25.0*	76.1*	13.6	26.3	31.4	43.3	74.5	122.8	221.0	396.4	776.2	2458.7
<b>All non-medical causes</b>													
1995	60.5*	47.2*	65.8*	64.9	58.8	60.5	62.3	68.7	67.2	78.5	94.2	134.9	192.3
2000	56.8*	43.7*	63.2*	67.4	55.6	51.9	58.4	64.8	72.1	72.5	99.5	118.3	161.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: GREECE

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	1035	160	11	1	148	1	28	72	0	471	303
35-69 Sm.	395	170	144	7	19	13	12	145	-	55	-
35-69 Total	8625 (5%)	3559 (5%)	354 (41%)	46 (15%)	3159 (1%)	44 (30%)	256 (5%)	3045 (5%)	85	1176 (5%)	460
70+ Sm.	975	242	190	19	33	103	39	465	-	126	-
70+ Total	37648 (3%)	4642 (5%)	396 (48%)	101 (19%)	4145 (1%)	298 (35%)	2046 (2%)	23741 (2%)	127	6415 (2%)	379
Any age Sm.	1370	412	334	26	52	116	51	610	-	181	-
Any age Total	47308 (3%)	8361 (5%)	761 (44%)	148 (18%)	7452 (1%)	343 (34%)	2330 (2%)	26858 (2%)	212	8062 (2%)	1142
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	861	135	5	0	130	2	32	73	2	347	270
35-69 Sm.	407	192	162	9	21	19	16	128	-	52	-
35-69 Total	7927 (5%)	3400 (6%)	372 (44%)	54 (17%)	2974 (1%)	63 (30%)	330 (5%)	2543 (5%)	76	1048 (5%)	467
70+ Sm.	1319	332	263	22	47	159	69	592	-	167	-
70+ Total	40976 (3%)	5565 (6%)	493 (53%)	94 (23%)	4978 (1%)	407 (39%)	2868 (2%)	24782 (2%)	147	6828 (2%)	379
Any age Sm.	1726	524	425	31	68	178	85	720	-	219	-
Any age Total	49764 (3%)	9100 (6%)	870 (49%)	148 (21%)	8082 (1%)	472 (38%)	3230 (3%)	27398 (3%)	225	8223 (3%)	1116

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	5393.1	2443.5	2372.0	383.3	352.0	345.1	286.1	342.3	337.5	325.7	219.6	160.7	197.3
2000	5552.4	2405.5	2452.2	393.6	393.0	358.6	348.3	287.7	342.5	328.5	298.8	183.8	212.1
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	47308	1035	8625	269	360	506	674	1221	2008	3587	4627	7097	25924
2000	49764	861	7927	247	347	539	795	942	1842	3215	5661	7531	27784
<b>Lung cancer</b>													
1995	761	11	354	5	26	30	29	44	91	129	115	108	173
2000	870	5	372	3	14	30	51	56	93	125	178	135	180
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	572.6*	46.3*	372.5*	70.2	102.3	146.6	235.6	356.7	595.0	1101.3	2107.0	4416.3	13139.4
2000	543.0*	37.4*	339.1*	62.8	88.3	150.3	228.3	327.4	537.8	978.7	1894.6	4097.4	13099.5
<b>All cancer</b>													
1995	114.8*	6.3*	153.5*	29.0	56.3	83.5	120.2	176.7	248.0	361.1	520.0	781.0	1137.9
2000	112.5*	5.1*	145.4*	21.6	44.3	78.6	122.0	164.1	241.5	345.5	515.1	799.2	1205.6
<b>Lung cancer</b>													
1995	10.5*	0.4*	15.3*	1.3	7.4	8.7	10.1	12.9	27.0	39.6	52.4	67.2	87.7
2000	11.0*	0.2*	16.0*	0.8	3.6	8.4	14.6	19.5	27.2	38.1	59.6	73.4	84.9
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	1.9*	0.0*	2.0*	0.5	0.9	1.2	2.1	1.8	2.1	5.5	7.7	13.7	31.4
2000	1.8*	-	2.3*	0.5	0.3	2.5	2.0	3.1	3.8	4.0	8.7	12.0	21.7
<b>Other cancer</b>													
1995	102.4*	5.8*	136.3*	27.1	48.0	73.6	108.0	162.1	219.0	315.9	459.9	700.1	1018.8
2000	99.6*	4.9*	127.1*	20.3	40.5	67.8	105.4	141.5	210.5	303.5	446.8	713.8	1099.0
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	4.0*	0.0*	1.9*	0.8	0.9	1.4	0.7	0.9	3.0	5.5	15.5	30.5	109.0
2000	5.0*	0.1*	2.7*	0.3	-	1.7	2.6	2.8	4.1	7.6	17.1	41.9	131.5
<b>Other respiratory disease</b>													
1995	26.7*	1.2*	11.1*	3.4	0.9	1.7	8.7	7.9	15.7	39.6	86.1	222.2	760.3
2000	33.6*	1.5*	14.0*	3.0	3.8	5.9	7.5	8.7	21.0	48.4	105.8	257.9	979.7
<b>Vascular disease</b>													
1995	305.2*	2.6*	132.1*	11.0	18.8	30.4	64.3	94.1	221.6	484.5	1118.4	2641.6	8636.6
2000	280.1*	2.6*	109.6*	11.7	16.3	28.7	49.4	91.8	169.3	400.0	915.0	2290.5	8410.2
<b>Liver cirrhosis</b>													
1995	2.8*	-	3.7*	0.5	2.3	2.9	2.8	2.3	3.6	11.4	15.5	17.4	32.9
2000	2.7*	0.1*	3.3*	0.3	1.0	1.7	1.7	4.2	5.5	8.5	13.7	20.1	32.5
<b>Other medical causes</b>													
1995	100.8*	24.4*	50.7*	8.9	12.8	13.0	19.9	50.8	79.1	170.1	301.5	664.0	2375.1
2000	92.3*	17.8*	44.8*	10.7	10.4	16.7	27.0	38.6	73.0	137.0	289.8	624.6	2269.7
<b>All non-medical causes</b>													
1995	18.3*	11.8*	19.5*	16.7	10.5	13.6	18.9	24.0	24.0	29.2	50.1	59.7	87.7
2000	16.8*	10.3*	19.3*	15.2	12.5	17.0	18.1	17.4	23.4	31.7	38.2	63.1	70.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## GREECE: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	- / 2.2	- / 0.9	-
35–69	5.5 / 17	0.4 / 7.9	22 years
70+	6.6 / 37	1.3 / 41	8 years
All ages	12 / 55	1.7 / 50	14 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	-/0.0	2.2/2.4	2.1/2.3	4.3/4.7	-/0.0	0.2/0.4	0.3/0.5	0.4/0.9
All Cancer	-/0.2	2.9/6.0 (48%)	3.0/8.5 (35%)	5.9/15	-/0.1	0.2/3.4 (6%)	0.3/5.6 (6%)	0.5/9.1
Vascular	-/0.1	1.8/6.3	2.1/18	3.9/25	-/0.1	0.1/2.5	0.6/25	0.7/27
Respiratory	-/0.1	0.3/0.8	0.9/3.3	1.2/4.3	-/0.0	0.0/0.4	0.2/3.3	0.3/3.7
All Other	-/1.8	0.5/3.4	0.6/6.4	1.1/12	-/0.6	0.1/1.6	0.2/7.4	0.2/9.6
All Causes	-/2.2	5.5/17 (33%)	6.6/37 (18%)	12/55	-/0.9	0.4/7.9 (5%)	1.3/41 (3%)	1.7/50

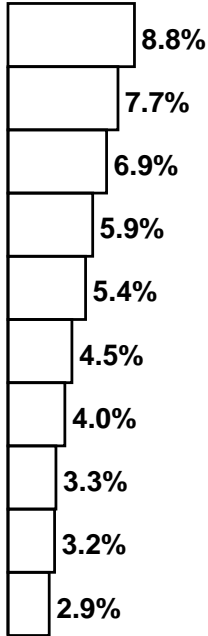
## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	5.9 / 15 (40%)	0.5 / 9.1 (6%)	6.4 / 24 (27%)
All Causes	12 / 55 (22%)	1.7 / 50 (3%)	14 / 105 (13%)



1955-2000: GREECE

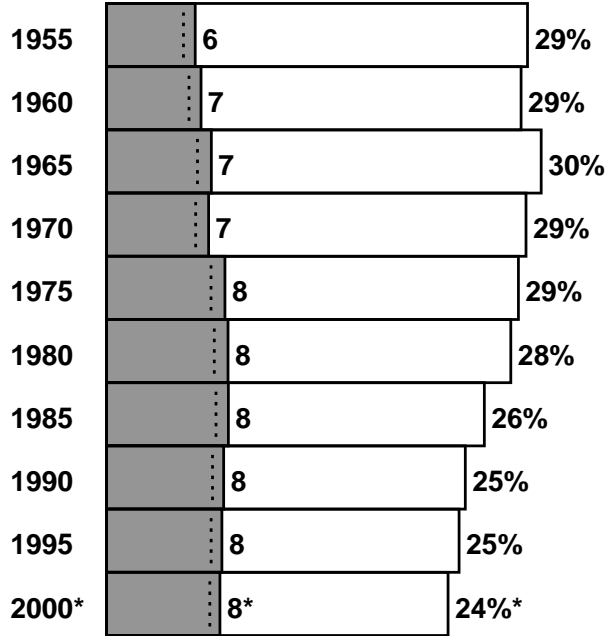
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

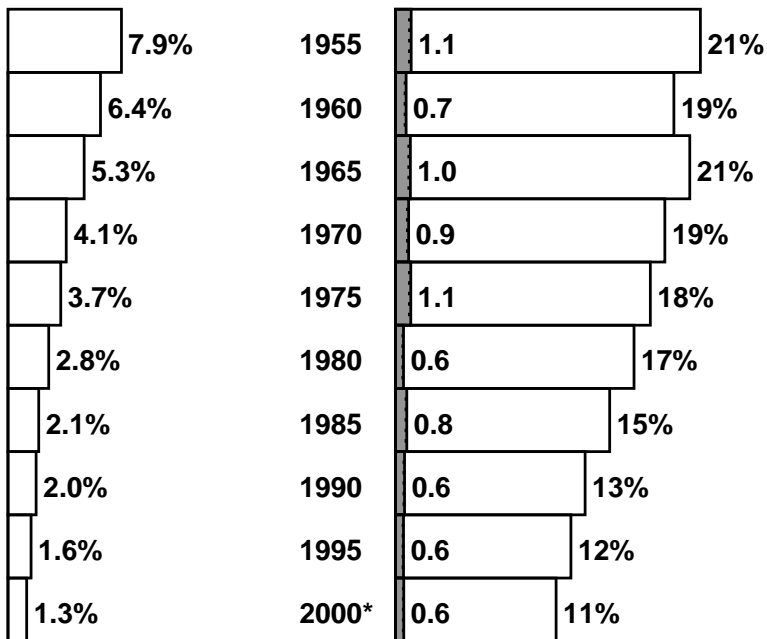
\*eg, at year 2000 male death rates, out of 100 men aged 35, 24 would die before age 70 (with 8 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## GREECE: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/6.7	2.0/9.6 <b>(21%)</b>	0.7/11 <b>(6%)</b>	2.7/28	-/5.8	0.5/7.8 <b>(6%)</b>	0.0/13	0.5/27
1960	-/6.0	2.4/11 <b>(23%)</b>	1.0/14 <b>(7%)</b>	3.4/31	-/4.8	0.3/7.7 <b>(4%)</b>	0.0/17	0.4/30
1965	-/5.1	3.1/13 <b>(24%)</b>	1.6/17 <b>(10%)</b>	4.7/34	-/3.8	0.5/9.1 <b>(5%)</b>	0.1/20 <b>(0.3%)</b>	0.5/33
1970	-/4.3	3.5/14 <b>(24%)</b>	2.6/20 <b>(13%)</b>	6.1/38	-/3.0	0.5/9.5 <b>(5%)</b>	0.2/23 <b>(0.9%)</b>	0.7/36
1975	-/3.8	4.2/15 <b>(29%)</b>	3.9/23 <b>(17%)</b>	8.1/41	-/2.5	0.6/9.4 <b>(6%)</b>	0.7/27 <b>(3%)</b>	1.2/39
1980	-/3.3	4.5/15 <b>(30%)</b>	4.4/27 <b>(16%)</b>	8.8/45	-/2.0	0.3/9.2 <b>(3%)</b>	0.5/31 <b>(2%)</b>	0.8/42
1985	-/2.9	4.8/15 <b>(32%)</b>	5.5/31 <b>(18%)</b>	10/48	-/1.5	0.5/8.8 <b>(5%)</b>	0.7/34 <b>(2%)</b>	1.2/44
1990	-/2.3	5.1/16 <b>(33%)</b>	5.4/32 <b>(17%)</b>	11/49	-/1.3	0.4/8.2 <b>(5%)</b>	1.0/35 <b>(3%)</b>	1.4/45
1995	-/2.4	5.6/17 <b>(33%)</b>	5.8/33 <b>(17%)</b>	11/53	-/1.0	0.4/8.6 <b>(5%)</b>	1.0/38 <b>(3%)</b>	1.4/47
2000	-/2.2	5.5/17 <b>(33%)</b>	6.6/37 <b>(18%)</b>	12/55	-/0.9	0.4/7.9 <b>(5%)</b>	1.3/41 <b>(3%)</b>	1.7/50

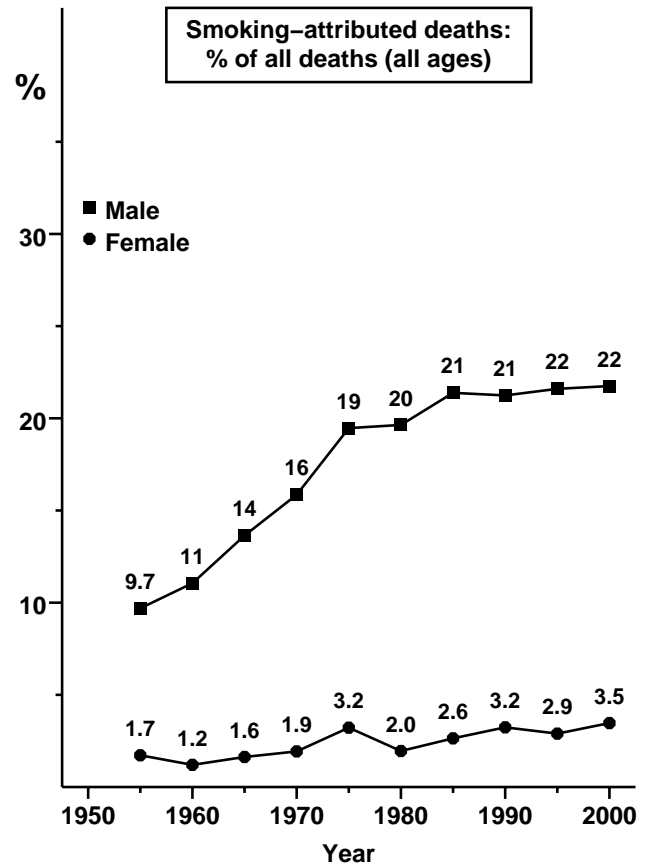
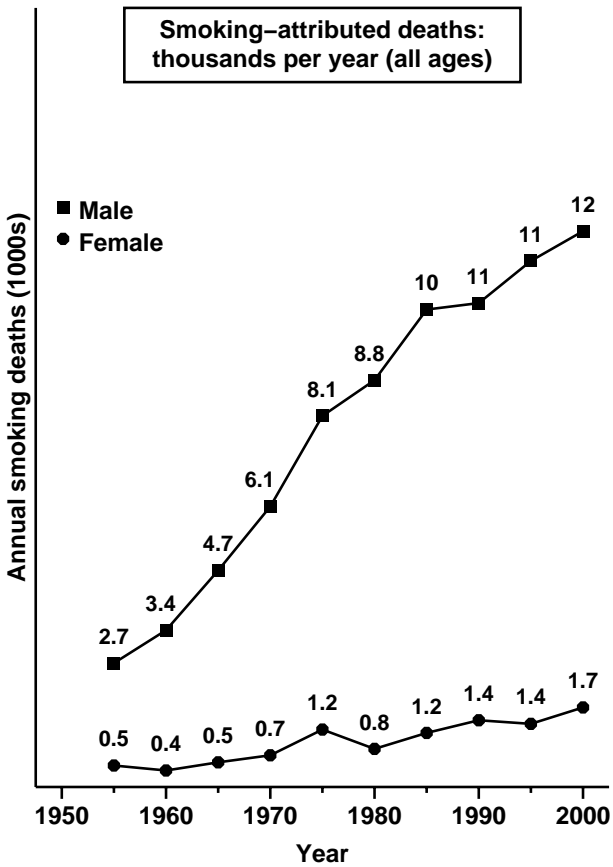
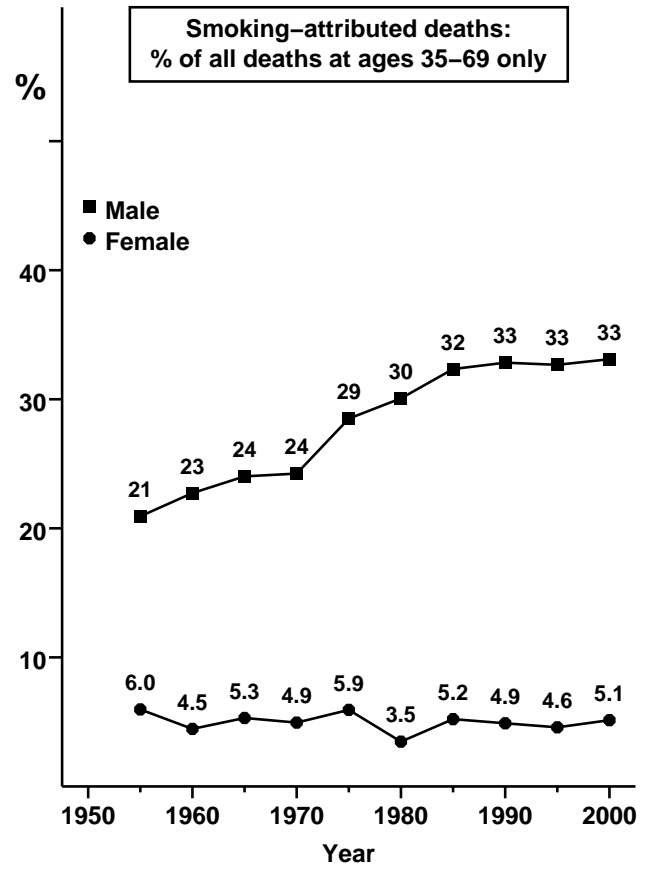
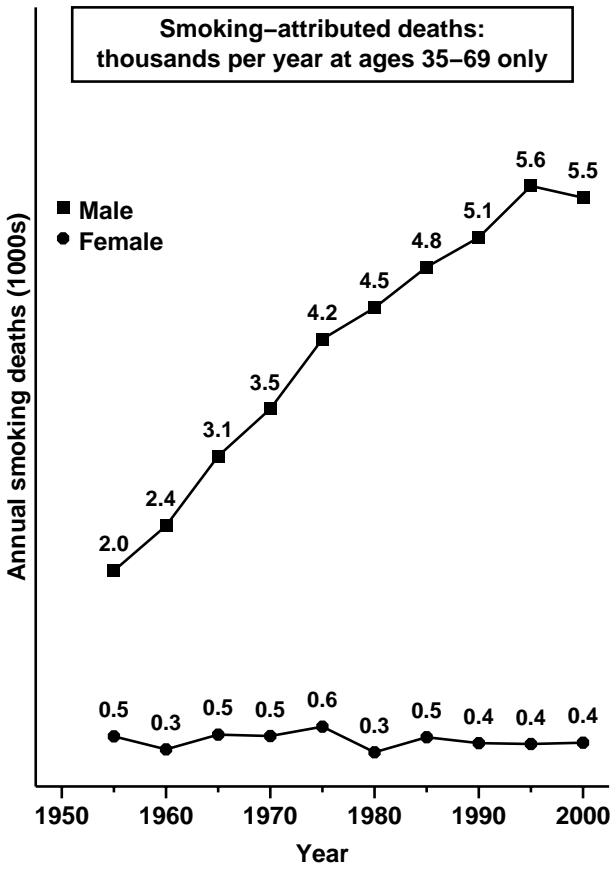
50-year total\* (thousands), mid-1950 to mid-2000: 420 / 3952

1950-2000 by age & sex:

-/209	197/690 <b>(28%)</b>	176/1150 <b>(15%)</b>	372/2048	-/146	24/437 <b>(5%)</b>	24/1321 <b>(2%)</b>	48/1903
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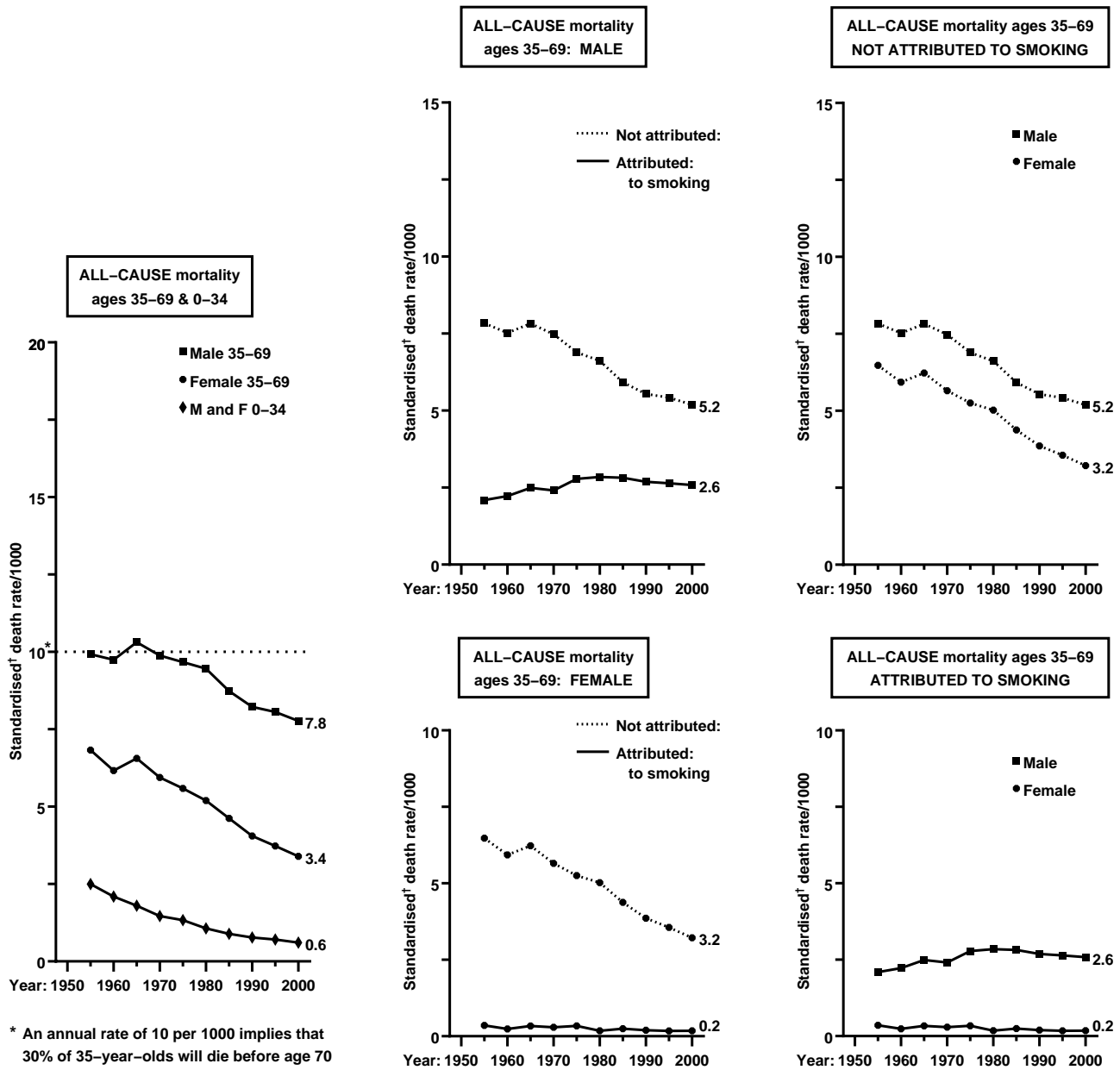
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: GREECE



GREECE: 1955-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking

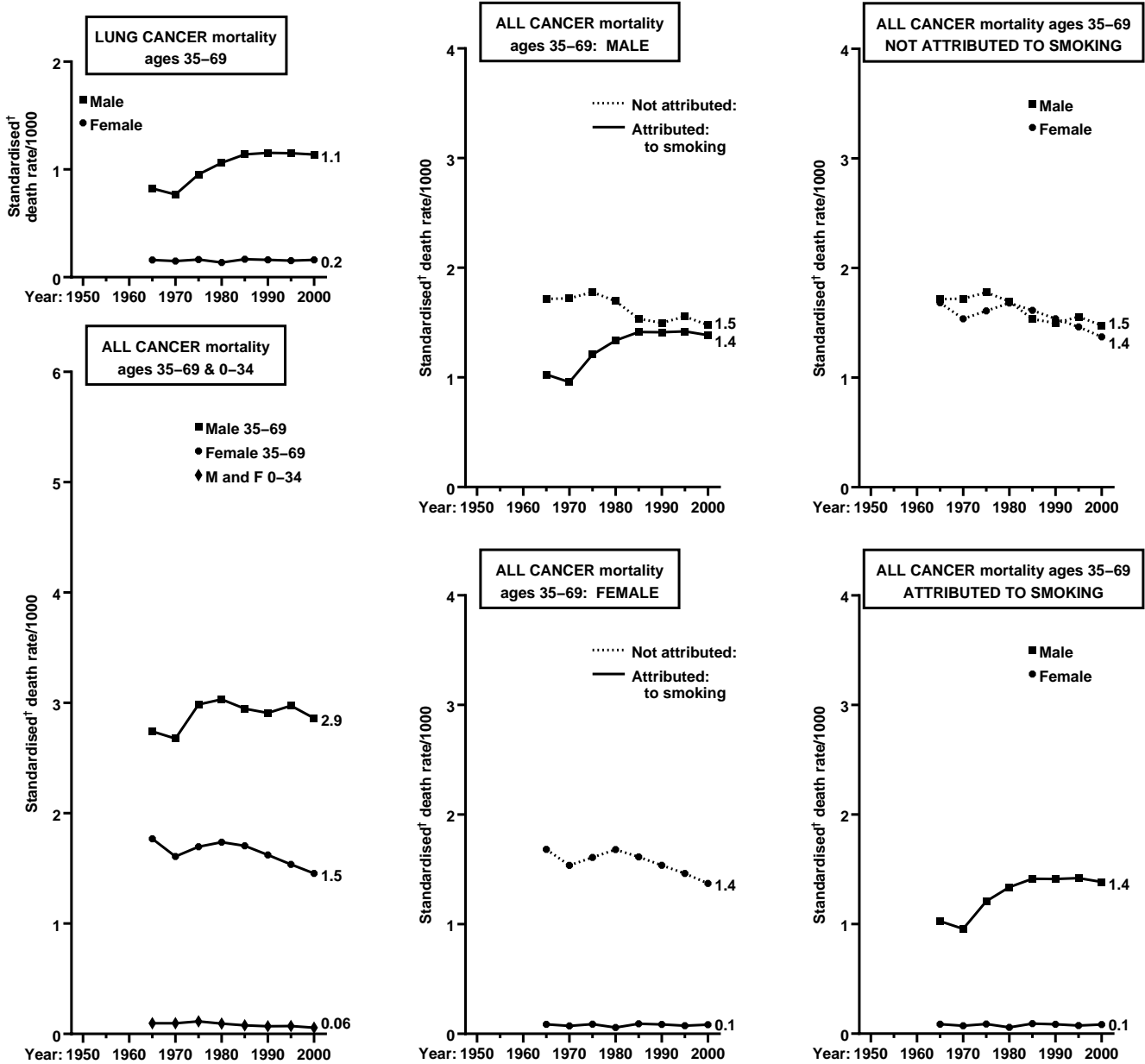


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	2.64	2.09	7.83	3.78	47.6	-	2.35	0.35	6.47	0.00	41.2	-	2.35	0.35	6.47	0.00	41.2
1960	-	2.28	2.22	7.52	4.56	47.4	-	1.90	0.24	5.93	0.06	40.5	-	1.90	0.24	5.93	0.06	40.5
1965	-	2.03	2.49	7.82	6.99	51.4	-	1.56	0.33	6.22	0.23	46.5	-	1.56	0.33	6.22	0.23	46.5
1970	-	1.74	2.40	7.47	8.66	47.6	-	1.18	0.29	5.65	0.53	44.4	-	1.18	0.29	5.65	0.53	44.4
1975	-	1.59	2.78	6.89	10.9	45.8	-	1.07	0.34	5.25	1.32	42.5	-	1.07	0.34	5.25	1.32	42.5
1980	-	1.30	2.84	6.61	10.2	43.1	-	0.82	0.17	5.02	0.76	40.0	-	0.82	0.17	5.02	0.76	40.0
1985	-	1.16	2.82	5.91	12.0	45.6	-	0.62	0.24	4.37	0.98	39.2	-	0.62	0.24	4.37	0.98	39.2
1990	-	0.97	2.68	5.54	10.9	41.2	-	0.57	0.19	3.86	1.21	34.5	-	0.57	0.19	3.86	1.21	34.5
1995	-	0.94	2.64	5.42	10.5	38.4	-	0.46	0.17	3.55	1.03	31.6	-	0.46	0.17	3.55	1.03	31.6
2000	-	0.83	2.58	5.19	9.92	35.9	-	0.37	0.17	3.22	1.21	28.8	-	0.37	0.17	3.22	1.21	28.8

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1965-2000: GREECE

ALL CANCER mortality rates attributed and not attributed to smoking



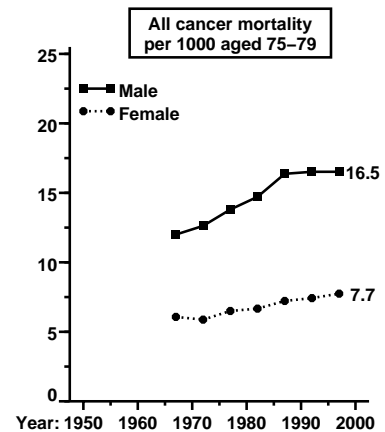
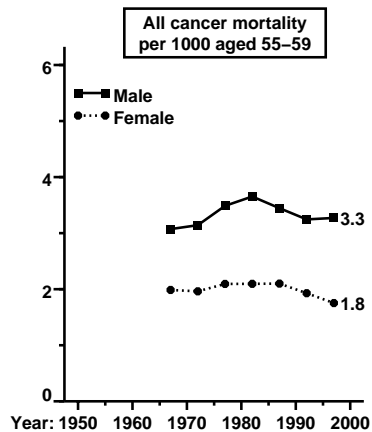
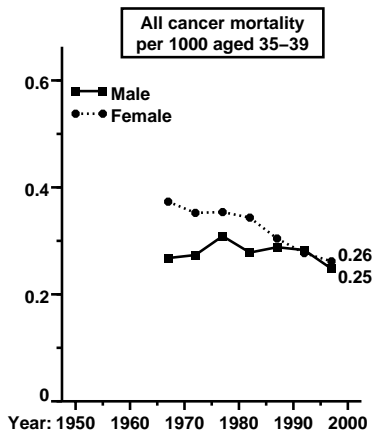
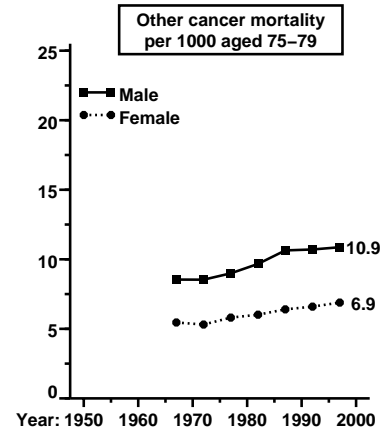
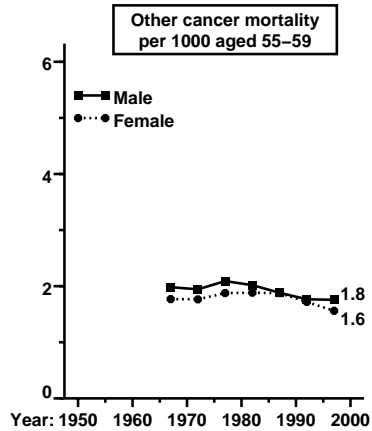
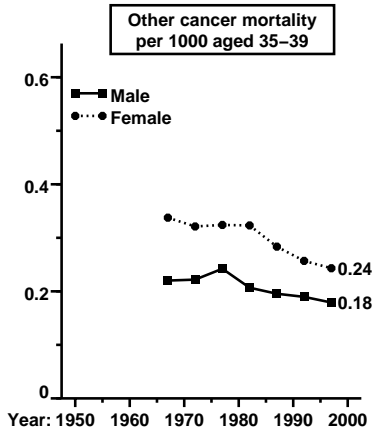
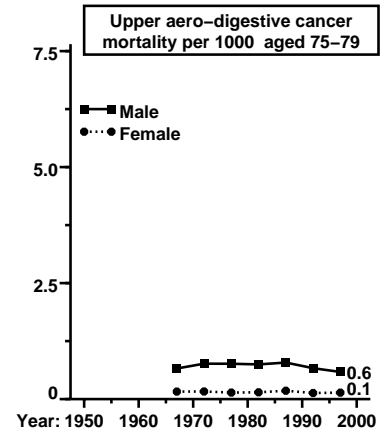
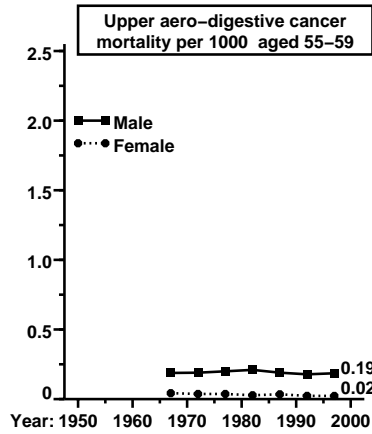
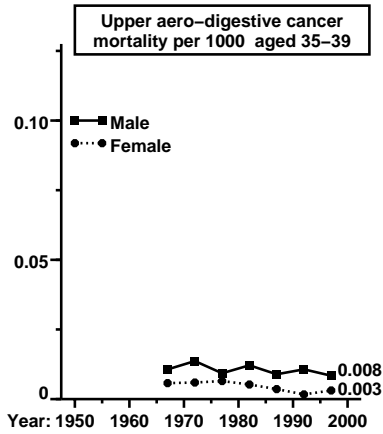
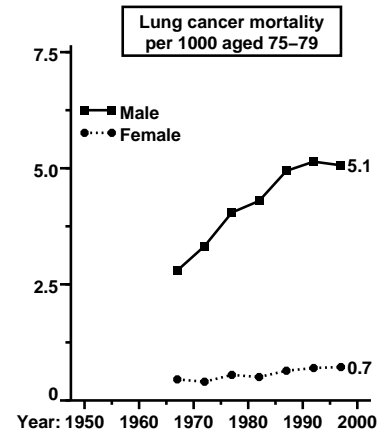
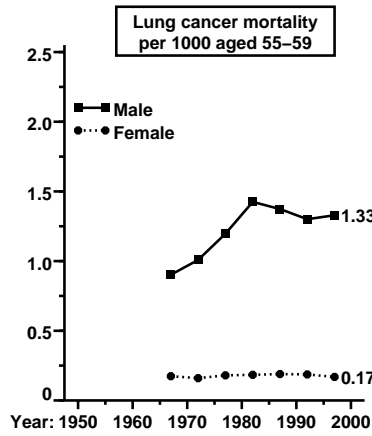
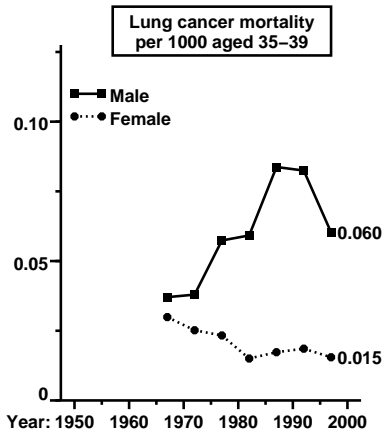
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1965	-	0.11	1.03	1.71	2.79	7.55	-	0.09	0.09	1.68	0.04	5.01	-	0.07	1.54	0.08	4.70	
1970	-	0.10	0.96	1.72	3.21	7.63	-	0.09	0.07	1.54	0.04	4.70	-	0.10	0.09	1.61	0.22	5.35
1975	-	0.13	1.21	1.78	4.26	7.94	-	0.10	0.09	1.61	0.17	5.89	-	0.08	0.06	1.68	0.17	5.89
1980	-	0.10	1.34	1.69	4.60	7.91	-	0.08	0.06	1.68	0.17	5.89	-	0.07	0.09	1.61	0.25	6.05
1985	-	0.08	1.41	1.53	5.74	8.55	-	0.07	0.09	1.61	0.25	6.05	-	0.07	0.08	1.54	0.39	5.86
1990	-	0.07	1.41	1.50	5.82	8.48	-	0.07	0.08	1.54	0.39	5.86	-	0.06	0.07	1.46	0.35	6.15
1995	-	0.08	1.42	1.55	5.72	8.52	-	0.06	0.07	1.46	0.35	6.15	-	0.05	0.08	1.37	0.44	6.14
2000	-	0.06	1.38	1.48	5.46	8.58	-	0.05	0.08	1.37	0.44	6.14	-					

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**GREECE: 1965-2000**

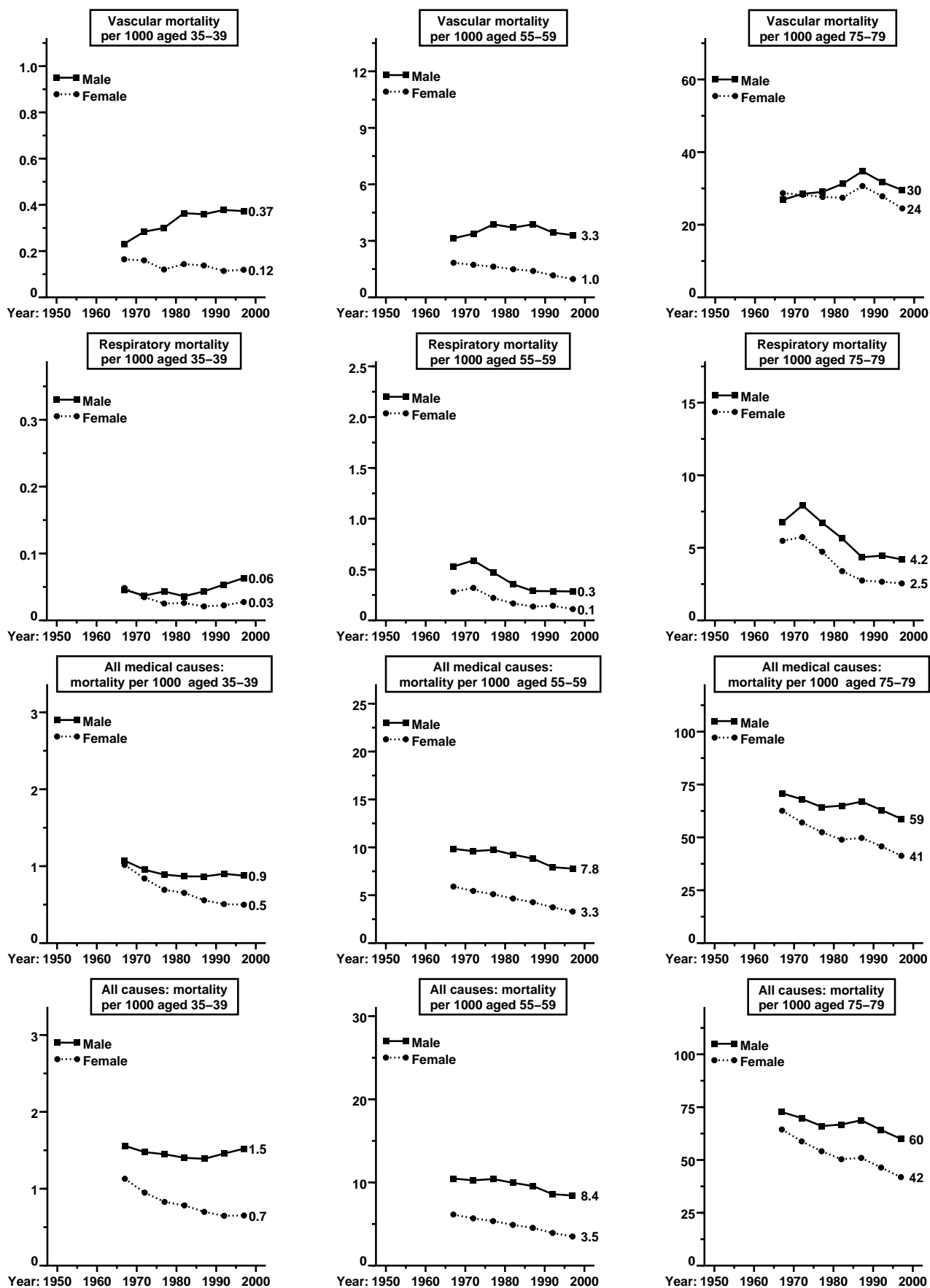
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1965-69,....,1995-99; year 2000 on pages 212-213

1965-2000: GREECE

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1965-69,.....,1995-99; year 2000 on pages 212-213

## HUNGARY: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	70475	2489	34648	1471.5	104.8	1897.7	226.8	18.2	24.1	57.7	92.5	115.3	199.5
	F	65126	1159	17472	819.4	55.2	782.4	191.9	13.6	17.6	27.3	33.6	33.0	69.4
Tuberculosis	M	280	9	180	5.7	0.4	8.9	-	-	-	-	0.2	0.2	2.0
	F	111	3	47	1.6	0.1	2.1	-	-	-	-	-	0.8	-
HIV	M	11	4	7	0.2	0.2	0.3	-	-	-	-	-	-	1.1
	F	4	2	2	0.1	0.1	0.1	-	-	0.3	-	0.2	-	-
Other infective and parasitic	M	125	18	55	2.6	0.8	3.0	2.3	0.3	0.6	0.3	-	1.2	0.8
	F	128	14	36	1.8	0.7	1.6	2.8	0.7	0.3	0.6	0.5	-	-
ALL CANCER	M	18732	208	10646	384.9	8.4	593.9	6.2	4.2	4.1	11.0	5.3	11.3	17.0
	F	14548	159	6558	197.1	6.6	290.2	4.1	3.7	4.6	3.7	6.8	7.2	16.4
Mouth and pharynx cancer	M	1413	5	1225	28.8	0.2	60.4	-	-	0.3	-	-	-	1.1
	F	275	1	189	4.2	0.0	7.9	-	-	-	-	-	-	0.3
Oesophagus cancer	M	588	1	468	12.1	0.0	24.3	-	-	-	-	-	-	0.3
	F	134	-	82	1.9	-	3.5	-	-	-	-	-	-	-
Stomach cancer	M	1256	3	591	25.8	0.1	34.0	-	-	-	-	-	0.2	0.6
	F	911	3	300	11.5	0.1	13.3	-	-	-	-	-	0.3	0.6
Colorectal cancer	M	2514	8	1103	52.0	0.3	64.8	-	-	-	-	-	1.2	0.8
	F	2372	11	811	30.1	0.4	36.8	-	-	-	-	1.2	0.5	1.2
Liver cancer	M	546	3	269	11.0	0.1	15.1	-	0.3	-	-	-	-	0.6
	F	351	1	128	4.5	0.0	5.7	-	-	-	0.3	-	-	-
Pancreas cancer	M	789	3	446	16.1	0.1	25.0	-	-	-	-	0.2	0.2	0.3
	F	757	1	302	9.8	0.0	13.8	-	-	-	-	-	-	0.3
Larynx cancer	M	536	1	404	10.9	0.0	21.2	-	-	-	-	-	-	0.3
	F	50	-	39	0.8	-	1.6	-	-	-	-	-	-	-
Lung cancer	M	5727	5	3783	116.7	0.2	213.7	-	-	-	-	-	0.2	1.1
	F	2097	10	1236	30.4	0.4	54.0	-	-	-	0.3	0.7	1.0	0.6
Malignant melanoma	M	170	10	104	3.5	0.4	5.8	0.4	-	-	-	0.2	0.7	1.4
	F	144	5	66	2.0	0.2	2.9	-	-	-	-	0.2	0.8	0.3
Female breast cancer	F	2316	8	1284	33.0	0.3	56.1	-	-	-	-	-	0.3	2.1
Cervix cancer	F	481	12	299	7.3	0.5	12.4	-	-	-	-	0.2	0.5	2.6
Other uterine cancer	F	496	2	174	6.3	0.1	8.0	-	-	-	-	0.2	-	0.3
Ovarian cancer	F	656	5	346	9.1	0.2	15.4	-	-	-	-	0.5	-	0.9
Prostate cancer	M	1399	1	326	29.7	0.0	21.0	-	-	-	0.3	-	-	-
Bladder cancer	M	600	-	236	12.6	-	14.1	-	-	-	-	-	-	-
	F	215	1	64	2.7	0.0	2.9	-	-	-	-	-	-	0.3
Other and ill-defined cancer sites	M	2181	105	1210	44.7	4.3	67.0	3.1	2.3	2.5	6.8	2.8	4.7	7.9
	F	2357	59	867	30.8	2.6	39.4	3.3	2.4	2.6	1.2	1.9	2.3	4.4
Hodgkin's disease	M	57	11	33	1.2	0.4	1.6	-	-	-	0.3	0.5	1.7	0.3
	F	49	7	20	0.7	0.3	0.9	-	-	0.3	0.9	0.5	-	0.3
Myeloma and non-Hodgkin lymphomas	M	432	15	219	8.9	0.6	12.4	1.2	0.6	0.3	0.3	0.5	1.0	0.6
	F	463	10	178	6.1	0.4	8.0	0.4	0.3	-	0.3	0.5	0.5	0.9
Leukaemia	M	524	37	229	10.8	1.5	13.3	1.5	1.0	0.9	3.3	1.2	1.2	1.7
	F	424	23	173	5.8	1.0	7.8	0.4	1.0	1.6	0.6	0.7	1.0	1.5
Diabetes	M	873	11	387	17.9	0.4	22.5	-	-	-	-	-	0.5	2.5
	F	1407	9	397	17.2	0.4	18.6	0.4	-	-	0.6	-	0.3	1.5
ALL VASCULAR DISEASE	M	31827	211	12469	672.9	8.2	718.6	1.5	1.9	1.2	4.2	5.5	11.8	31.4
	F	37046	76	6137	432.4	3.1	283.4	1.2	-	1.0	1.6	2.2	4.1	11.7
Rheumatic heart disease and fever	M	139	3	64	2.9	0.1	3.8	-	-	-	-	0.2	0.5	-
	F	262	2	78	3.2	0.1	3.6	-	-	0.3	-	-	0.3	-
Hypertensive disease	M	1758	7	625	37.2	0.3	37.4	-	0.3	-	0.3	-	0.5	0.8
	F	2971	1	436	34.3	0.0	20.3	-	-	-	-	-	0.3	-
Ischaemic heart disease	M	14656	72	6301	307.9	2.8	360.1	-	-	-	0.6	1.2	4.4	13.3
	F	15143	19	2661	177.1	0.8	123.4	-	-	-	-	-	0.8	4.7
Pulmonary embolism and other venous	M	575	9	265	12.1	0.3	15.4	-	-	-	0.3	0.2	0.7	1.1
	F	824	10	180	9.9	0.4	8.2	0.4	-	-	0.6	0.2	0.5	1.2
Cerebrovascular disease	M	8559	43	3072	180.1	1.7	180.5	-	1.0	0.6	0.9	1.4	2.2	5.7
	F	10380	18	1806	121.3	0.7	83.3	0.4	-	0.3	0.6	0.7	0.5	2.6
Other vascular disease	M	6140	77	2142	132.7	3.0	121.5	1.5	0.6	0.6	2.1	2.5	3.4	10.5
	F	7466	26	976	86.5	1.0	44.6	0.4	-	0.3	0.3	1.2	1.8	3.2
Chronic obstructive pulmonary disease	M	2329	15	905	48.8	0.6	53.4	1.2	-	-	0.6	0.9	-	1.7
	F	1515	12	418	18.7	0.5	19.1	0.4	-	-	0.9	0.5	0.5	1.2
Other respiratory disease	M	690	62	279	14.9	2.9	14.9	12.4	0.3	0.3	0.6	2.1	1.7	2.8
	F	634	36	124	8.2	1.9	5.6	9.8	0.3	0.7	0.9	0.5	0.3	0.9
Peptic ulcer	M	517	7	286	10.8	0.3	15.7	-	-	-	-	-	-	2.0
	F	425	1	107	5.2	0.0	4.8	-	-	-	-	-	-	0.3
Liver cirrhosis	M	4830	102	4159	97.7	4.1	205.7	0.4	-	0.3	0.6	0.2	3.9	22.9
	F	1794	22	1472	29.4	0.9	62.2	-	-	0.3	-	0.2	-	5.9
Renal disease	M	322	9	115	6.9	0.4	6.5	1.2	-	0.3	-	-	0.5	0.8
	F	353	7	98	4.4	0.3	4.5	0.8	-	-	0.3	0.7	0.3	-
Pregnancy, birth	F	10	9	1	0.2	0.4	0.0	-	-	-	-	-	0.8	1.8
Congenital and perinatal causes	M	501	470	30	14.6	25.2	1.3	164.5	1.9	1.2	1.8	2.8	2.9	1.4
	F	401	374	27	12.3	21.2	1.0	139.0	0.3	1.3	2.8	1.5	1.5	1.8
Ill-defined causes	M	70	16	22	1.7	0.9	1.0	5.8	-	-	0.3	-	-	-
	F	89	19	7	1.4	1.1	0.3	6.5	-	-	0.6	-	-	0.3
Other medical causes	M	3217	168	1625	67.3	7.1	85.6	13.2	3.2	3.1	4.2	5.3	5.9	15.0
	F	3271	138	1003	43.0	6.3	44.3	14.6	4.8	2.9	4.0	4.6	3.6	9.7
ALL NON-MEDICAL CAUSES	M	6151	1179	3483	124.6	45.0	166.4	18.2	6.2	12.8	34.2	70.0	75.4	97.9
	F	3390	278	1038	46.3	11.6	44.4	12.2	3.7	6.2	11.2	16.0	13.8	18.2
Road traffic accidents	M	938	359	466	18.4	13.4	22.0	3.1	1.6	3.7	13.7	27.0	23.3	21.5
	F	325	90	159	5.5	3.6	6.7	1.2	1.7	2.0	5.6	6.3	4.1	4.7
Fire	M	128	9	87	2.6	0.4	4.2	-	-	-	0.9	-	0.5	1.1
	F	52	2	29	0.8	0.1	1.3	0.4	-	-	-	-	0.3	-
Suicide	M	2463	442	1593	49.2	16.6	74.3	-	-	2.5	10.7	22.2	31.1	49.5
	F	806	79	451	12.4	3.1	19.0	-	-	1.0	3.1	4.6	4.9	8.2
Homicide	M	148	34	101	3.0	1.4	4.5	3.1	0.6	0.3	0.3	1.6	1.7	2.3
	F	110	31	55	2.0	1.3	2.3	2.4	0.3	0.3	0.3	1.9	2.0	1.8
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
					4878.1	2417.9	2103.8	258.4	308.5	320.1	336.4	432.6	408.5	353.4
					5347.6	2313.4	2375.8	246.0	294.0	306.0	322.1	413.4	390.5	341.4



## 2000: HUNGARY

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
358.3	707.4	1087.1	1525.6	2146.4	3132.1	4327.5	6033.0	8736.6	17309.6	M	ALL CAUSES	001-999/A00-Y89
156.3	271.7	433.5	584.0	827.0	1242.6	1961.6	3229.3	5687.6	14420.8	F		
3.9	4.9	9.2	9.4	11.1	13.5	10.5	21.4	22.5	38.9	M	Tuberculosis	010-018, 137/ A15-A19, B90
2.3	2.1	0.7	1.4	1.8	3.7	2.4	5.7	7.9	16.3	F		
0.3	0.5	0.2	0.6	0.4	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.3	-	0.2	-	-	-	-	-	-	-	F		
0.3	1.6	1.7	2.1	2.1	7.6	5.5	12.9	13.8	19.4	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.7	1.1	0.5	0.8	2.4	2.7	3.1	5.7	9.7	23.6	F		
43.7	138.2	309.8	494.8	719.0	1051.7	1399.7	1761.3	2248.7	3103.6	M	ALL CANCER	140-208/C00-C97
48.3	104.9	184.4	252.5	346.3	460.8	634.4	833.1	1154.6	1760.7	F		
7.5	29.3	62.4	80.4	95.9	84.9	62.2	44.7	53.5	62.2	M	Mouth and pharynx cancer	140-149/C00-C14
0.7	4.8	9.7	9.2	14.3	8.0	8.4	8.3	10.6	22.5	F		
1.6	7.7	15.7	30.8	41.5	41.8	31.1	34.9	27.6	38.9	M	Oesophagus cancer	150/C15
-	0.3	4.3	3.6	5.8	5.0	5.6	5.3	6.9	12.9	F		
0.6	6.9	15.5	24.4	37.2	53.9	99.3	142.6	189.1	272.0	M	Stomach cancer	151/C16
2.3	5.4	9.5	11.7	12.2	16.1	36.0	52.2	88.4	156.7	F		
2.6	9.1	18.2	41.7	77.7	121.7	182.5	293.1	389.5	612.7	M	Colorectal cancer	153, 154/C18-C21
2.9	9.7	13.5	26.1	42.9	66.0	96.7	147.6	221.7	382.6	F		
1.0	5.5	6.5	13.1	15.7	25.2	38.6	67.9	88.1	79.0	M	Liver cancer	155.0/C22 excl C221
0.7	1.3	3.8	4.7	5.5	9.0	15.0	21.9	32.9	52.2	F		
2.3	6.6	13.5	17.7	29.3	42.7	63.2	93.0	81.2	121.8	M	Pancreas cancer	157/C25
2.0	2.7	5.4	8.1	16.1	26.1	36.0	50.3	68.9	96.6	F		
0.6	9.1	15.2	23.8	28.3	37.3	34.1	36.1	39.7	33.7	M	Larynx cancer	161/C32
-	1.3	1.7	2.5	1.5	2.3	2.1	1.1	2.3	1.7	F		
11.3	36.5	101.0	180.4	245.9	407.5	513.5	548.3	560.4	510.4	M	Lung cancer	162/C33, C34
8.8	17.4	39.9	57.3	71.1	87.1	96.0	116.9	120.8	157.9	F		
1.9	1.9	3.2	2.7	6.4	10.8	13.5	13.5	14.7	22.0	M	Malignant melanoma	172/C43
1.6	2.4	1.7	3.1	2.4	4.0	4.9	9.5	8.3	16.9	F		
10.4	23.9	42.3	55.3	67.5	86.1	106.8	112.8	141.6	236.0	F	Female breast cancer	174/C50
8.2	13.9	16.1	11.4	11.2	9.4	16.8	19.3	26.8	34.3	F	Cervix cancer	180/C53
1.0	1.6	2.6	4.2	9.4	14.7	22.3	34.4	54.1	62.9	F	Other uterine cancer	179, 182/C54, C55
1.6	3.2	10.6	12.8	15.8	29.5	34.2	40.1	44.9	57.3	F	Ovarian cancer	183/C56, C570-C574
-	-	1.0	5.5	19.0	34.6	87.3	150.6	305.7	611.4	M	Prostate cancer	185/C61
0.3	1.1	5.2	6.4	15.0	24.3	46.6	59.4	103.6	190.4	M	Bladder cancer	188/C67
-	0.8	0.7	1.9	4.6	5.4	7.0	11.7	18.0	44.9	F		
9.4	16.5	40.2	49.4	82.0	115.5	156.5	179.3	266.0	343.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
3.9	11.0	13.7	27.8	46.2	66.0	107.2	144.9	217.5	324.7	F		
1.0	1.9	1.2	1.5	1.8	1.8	2.0	1.8	2.6	9.1	M	Hodgkin's disease	201/C81
0.3	0.3	0.9	1.1	0.9	0.7	1.7	2.6	4.2	3.4	F		
1.6	2.5	5.7	9.8	12.9	23.8	30.6	41.6	57.0	82.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.3	1.1	5.2	7.2	8.2	12.7	19.9	33.7	48.6	45.5	F	Leukaemia	204-208/C91-C95
1.9	3.8	5.2	7.3	10.4	26.1	38.6	54.5	69.9	114.0	M		
2.6	3.8	2.8	4.4	10.6	12.4	17.8	20.4	37.9	51.7	F		
1.3	5.8	7.2	13.4	26.1	42.2	61.2	107.1	140.8	177.5	M	Diabetes	250/E10-E14
2.6	1.1	2.8	7.8	19.5	31.8	64.9	101.0	146.7	234.3	F		
73.2	168.4	285.4	478.7	738.0	1285.7	2001.0	3090.0	4807.4	11050.5	M	ALL VASCULAR DISEASE	390-459/I00-I99
32.3	57.1	89.1	154.1	252.1	476.9	922.5	1810.4	3558.5	10313.5	F		
0.3	1.6	0.2	1.5	4.7	5.8	12.5	13.5	22.5	31.1	M	Rheumatic heart disease and fever	390-398/I00-I09
0.3	0.3	1.2	0.3	6.4	7.4	9.4	15.9	29.2	43.3	F		
2.3	5.2	10.5	21.3	34.0	71.4	116.9	170.7	299.7	647.7	M	Hypertensive disease	401-405/I10-I15
1.0	2.4	4.7	10.0	18.9	38.2	67.0	146.8	285.5	859.0	F		
35.0	87.2	152.4	255.9	384.0	641.1	964.9	1448.0	2097.6	4518.1	M	Ischaemic heart disease	410-414/I20-I25
15.3	23.1	37.6	62.8	98.5	202.1	424.6	775.3	1452.1	4087.6	F		
1.6	3.0	5.2	10.7	16.1	26.5	44.6	50.2	73.4	173.6	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.3	2.4	2.6	7.5	7.9	14.1	22.3	45.8	93.0	175.3	F		
13.0	32.9	66.6	105.7	173.9	321.2	550.2	910.0	1436.1	2971.5	M	Cerebrovascular disease	430-438/I60-I69
8.8	17.4	25.3	48.7	73.9	145.4	263.6	544.5	1077.3	2690.4	F		
21.1	38.4	50.4	83.5	125.3	219.7	311.9	497.6	878.2	2708.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
6.5	11.5	17.7	24.7	46.5	69.7	135.5	282.3	621.5	2457.9	F		
3.2	10.4	18.7	29.6	49.4	99.7	163.0	227.1	400.7	743.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
2.3	4.0	7.1	11.7	20.1	32.5	56.2	71.1	145.3	327.5	F		
4.9	7.4	10.0	11.9	17.2	21.6	31.1	50.8	83.8	218.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.3	2.4	2.8	3.6	4.3	12.4	11.2	24.2	54.6	164.0	F		
1.3	6.3	9.0	12.2	16.8	31.4	33.1	44.7	50.9	119.2	M	Peptic ulcer	531-533/K25-K27
1.6	1.6	2.4	3.6	5.8	7.7	10.8	21.6	37.9	100.0	F		
70.6	156.9	193.6	220.3	265.2	279.9	253.8	186.0	164.9	95.9	M	Liver cirrhosis	571/K70, K74
20.2	41.8	67.4	64.2	82.7	88.8	70.2	59.4	42.1	29.2	F		
1.3	1.6	3.2	3.4	7.9	12.6	15.5	30.0	42.3	129.5	M	Renal disease	580-590/N00-N19
1.3	1.9	0.9	2.5	4.6	7.7	12.6	21.9	32.4	67.4	F		
0.3	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
2.3	1.9	2.2	0.9	1.4	-	-	-	0.9	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.3	1.3	2.6	0.8	1.2	-	-	-	-	-	F		
0.3	-	2.5	0.6	2.1	0.4	1.0	3.1	2.6	31.1	M	Ill-defined causes	780-799/R00-R99
-	0.3	0.5	-	0.6	-	0.7	1.1	0.5	33.1	F		
25.6	45.5	59.6	73.7	103.1	124.4	167.5	239.3	372.2	779.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
12.1	22.5	26.9	39.8	42.9	67.0	99.2	157.8	272.6	631.5	F		
126.0	157.7	174.6	174.0	186.5	161.3	184.6	259.5	385.1	801.8	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
28.4	29.5	45.1	41.2	42.9	50.6	73.3	116.2	224.9	719.7	F		
19.1	21.9	21.0	25.0	28.6	16.6	22.1	23.3	41.5	35.0	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.6	6.2	6.1	7.0	7.3	8.7	7.3	10.2	9.7	15.7	F		
1.9	4.1	3.7	5.8	4.3	4.0	5.5	6.1	10.4	13.0	M	Fire	E890-E899/X00-X09
1.6	0.3	0.2	1.4	3.0	1.0	1.4	1.9	3.7	4.5	F		
64.8	77.6	89.0	76.2	80.5	66.0	65.7	95.5	109.7	187.8	M	Suicide	E950-E959/X60-X84
12.1	13.7	24.8	17.5	15.5	21.1	28.3	29.1	37.5	66.3	F		
5.5	4.4	7.0	4.6	5.7	1.8	2.5	1.8	4.3	6.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
5.5	2.1	2.8	1.7	1.8	1.3	0.7	3.0	2.8	5.6	F		
308.7	364.6	400.9	328.2	279.4	222.6	199.4	163.4	115.8	77.2	M	POPULATION	
306.5	372.9	423.1	359.6	328.9	298.4	286.4	264.3	216.1	178.0	F	(1000s; UN, 2004 revision)	

<b>HUNGARY: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	3191	238	9	15	214	19	70	246	221	1008	1389
35-69 Sm.	16267	6667	3743	1587	1337	1007	175	6678	-	1740	-
35-69 Total	40044 (41%)	10789 (62%)	3893 (96%)	1974 (80%)	4922 (27%)	1158 (87%)	368 (48%)	14777 (45%)	5223	3484 (50%)	4245
70+ Sm.	7461	2754	1687	282	785	1422	59	2911	-	315	-
70+ Total	34109 (22%)	7498 (37%)	1826 (92%)	439 (64%)	5233 (15%)	1865 (76%)	411 (14%)	19940 (15%)	671	2091 (15%)	1633
Any age Sm.	23728	9421	5430	1869	2122	2429	234	9589	-	2055	-
Any age Total	77344 (31%)	18525 (51%)	5728 (95%)	2428 (77%)	10369 (20%)	3042 (80%)	849 (28%)	34963 (27%)	6115	6583 (31%)	7267
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	2489	208	5	7	196	15	62	211	102	712	1179
35-69 Sm.	14345	6582	3636	1667	1279	786	133	5559	-	1285	-
35-69 Total	34648 (41%)	10646 (62%)	3783 (96%)	2097 (79%)	4766 (27%)	905 (87%)	279 (48%)	12469 (45%)	4159	2707 (47%)	3483
70+ Sm.	7100	2886	1791	277	818	1070	49	2728	-	367	-
70+ Total	33338 (21%)	7878 (37%)	1939 (92%)	433 (64%)	5506 (15%)	1409 (76%)	349 (14%)	19147 (14%)	569	2497 (15%)	1489
Any age Sm.	21445	9468	5427	1944	2097	1856	182	8287	-	1652	-
Any age Total	70475 (30%)	18732 (51%)	5727 (95%)	2537 (77%)	10468 (20%)	2329 (80%)	690 (26%)	31827 (26%)	4830	5916 (28%)	6151

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	4941.7	2457.6	2147.2	371.9	416.5	348.3	305.2	252.8	239.9	212.6	168.3	76.8	91.8
2000	4878.1	2417.9	2103.8	308.7	364.6	400.9	328.2	279.4	222.6	199.4	163.4	115.8	77.2
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	77344	3191	40044	1979	3551	4427	5563	6418	8062	10044	11043	6957	16109
2000	70475	2489	34648	1106	2579	4358	5007	5997	6972	8629	9858	10117	13363
<b>Lung cancer</b>													
1995	5728	9	3893	50	206	351	580	763	896	1047	905	438	483
2000	5727	5	3783	35	133	405	592	687	907	1024	896	649	394
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1620.8*	135.4*	2157.5*	532.1	852.6	1271.0	1822.7	2538.8	3360.6	4724.4	6561.5	9058.6	17547.9
2000	1471.5*	104.8*	1897.7*	358.3	707.4	1087.1	1525.6	2146.4	3132.1	4327.5	6033.0	8736.6	17309.6
<b>All cancer</b>													
1995	387.4*	9.8*	600.2*	58.9	152.7	294.0	512.1	750.0	1014.6	1419.1	1779.6	2247.4	3025.1
2000	384.9*	8.4*	593.9*	43.7	138.2	309.8	494.8	719.0	1051.7	1399.7	1761.3	2248.7	3103.6
<b>Lung cancer</b>													
1995	119.5*	0.4*	217.4*	13.4	49.5	100.8	190.0	301.8	373.5	492.5	537.7	570.3	526.1
2000	116.7*	0.2*	213.7*	11.3	36.5	101.0	180.4	245.9	407.5	513.5	548.3	560.4	510.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	50.9*	0.7*	101.8*	12.9	46.6	85.6	137.6	150.7	142.1	137.3	123.6	130.2	142.7
2000	51.8*	0.3*	105.9*	9.7	46.1	93.3	135.0	165.7	164.0	127.4	115.7	120.9	134.7
<b>Other cancer</b>													
1995	217.0*	8.8*	281.0*	32.5	56.7	107.7	184.5	297.5	499.0	789.3	1118.2	1546.9	2356.2
2000	216.3*	7.9*	274.3*	22.7	55.7	115.5	179.5	307.4	480.2	758.8	1097.3	1567.4	2458.5
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	64.2*	0.8*	67.2*	4.3	13.0	21.0	35.7	78.3	117.5	200.4	333.3	484.4	1015.3
2000	48.8*	0.6*	53.4*	3.2	10.4	18.7	29.6	49.4	99.7	163.0	227.1	400.7	743.5
<b>Other respiratory disease</b>													
1995	17.9*	3.1*	19.6*	5.9	11.3	12.3	12.8	18.2	30.8	45.6	69.5	95.1	240.7
2000	14.9*	2.9*	14.9*	4.9	7.4	10.0	11.9	17.2	21.6	31.1	50.8	83.8	218.9
<b>Vascular disease</b>													
1995	736.7*	10.6*	833.3*	118.0	206.2	351.7	560.0	926.0	1460.6	2210.7	3445.0	5044.3	11185.2
2000	672.9*	8.2*	718.6*	73.2	168.4	285.4	478.7	738.0	1285.7	2001.0	3090.0	4807.4	11050.5
<b>Liver cirrhosis</b>													
1995	126.1*	9.9*	255.8*	119.9	182.7	253.5	309.3	342.6	308.5	274.2	233.5	205.7	130.7
2000	97.7*	4.1*	205.7*	70.6	156.9	193.6	220.3	265.2	279.9	253.8	186.0	164.9	95.9
<b>Other medical causes</b>													
1995	140.3*	45.4*	178.8*	76.1	105.6	131.5	175.6	202.9	231.8	328.3	418.3	579.4	1026.1
2000	127.7*	35.7*	144.9*	36.6	68.3	95.0	116.4	171.1	232.3	294.4	458.4	645.9	1295.3
<b>All non-medical causes</b>													
1995	148.3*	55.8*	202.5*	149.0	181.0	207.0	217.2	220.7	196.7	246.0	282.2	402.3	924.8
2000	124.6*	45.0*	166.4*	126.0	157.7	174.6	174.0	186.5	161.3	184.6	259.5	385.1	801.8

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: HUNGARY

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1478	184	10	3	171	15	47	102	69	721	340
35-69	Sm.	3526	1150	839	120	191	316	36	1593	-	431	-
	Total	19998	6669	1042	220	5407	467	150	7551	1944	1895	1322
		(18%)	(17%)	(81%)	(55%)	(4%)	(68%)	(24%)	(21%)		(23%)	
70+	Sm.	3474	746	555	48	143	786	27	1718	-	197	-
	Total	46611	7563	771	120	6672	1372	505	31181	368	3144	2478
		(7%)	(10%)	(72%)	(40%)	(2%)	(57%)	(5%)	(6%)		(6%)	
Any age	Sm.	7000	1896	1394	168	334	1102	63	3311	-	628	-
	Total	68087	14416	1823	343	12250	1854	702	38834	2381	5760	4140
		(10%)	(13%)	(76%)	(49%)	(3%)	(59%)	(9%)	(9%)		(11%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1159	159	10	1	148	12	36	76	22	576	278
35-69	Sm.	3722	1436	1034	184	218	301	32	1496	-	457	-
	Total	17472	6558	1236	310	5012	418	124	6137	1472	1725	1038
		(21%)	(22%)	(84%)	(59%)	(4%)	(72%)	(26%)	(24%)		(26%)	
70+	Sm.	3557	841	624	61	156	651	26	1794	-	245	-
	Total	46495	7831	851	148	6832	1085	474	30833	300	3898	2074
		(8%)	(11%)	(73%)	(41%)	(2%)	(60%)	(5%)	(6%)		(6%)	
Any age	Sm.	7279	2277	1658	245	374	952	58	3290	-	702	-
	Total	65126	14548	2097	459	11992	1515	634	37046	1794	6199	3390
		(11%)	(16%)	(79%)	(53%)	(3%)	(63%)	(9%)	(9%)		(11%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	5387.5	2356.2	2422.5	373.5	426.8	365.4	338.1	311.7	307.9	299.1	268.8	136.5	203.5
2000	5347.6	2313.4	2375.8	306.5	372.9	423.1	359.6	328.9	298.4	286.4	264.3	216.1	178.0
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	68087	1478	19998	747	1333	1701	2143	3016	4507	6551	9661	7816	29134
2000	65126	1159	17472	479	1013	1834	2100	2720	3708	5618	8535	12291	25669
<b>Lung cancer</b>													
1995	1823	10	1042	29	74	128	138	180	247	246	315	150	306
2000	2097	10	1236	27	65	169	206	234	260	275	309	261	281
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	875.0*	66.6*	890.5*	200.0	312.3	465.5	633.8	967.6	1463.8	2190.2	3594.1	5726.0	14316.5
2000	819.4*	55.2*	782.4*	156.3	271.7	433.5	584.0	827.0	1242.6	1961.6	3229.3	5687.6	14420.8
<b>All cancer</b>													
1995	201.0*	8.1*	295.5*	61.8	109.9	172.4	244.0	323.4	509.6	647.6	920.0	1126.0	1745.9
2000	197.1*	6.6*	290.2*	48.3	104.9	184.4	252.5	346.3	460.8	634.4	833.1	1154.6	1760.7
<b>Lung cancer</b>													
1995	26.8*	0.5*	45.9*	7.8	17.3	35.0	40.8	57.7	80.2	82.2	117.2	109.9	150.4
2000	30.4*	0.4*	54.0*	8.8	17.4	39.9	57.3	71.1	87.1	96.0	116.9	120.8	157.9
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	5.3*	0.1*	9.4*	2.4	7.3	8.5	9.5	14.1	13.6	10.4	14.5	22.0	25.1
2000	7.0*	0.0*	13.0*	0.7	6.4	15.6	15.3	21.6	15.4	16.1	14.8	19.9	37.1
<b>Other cancer</b>													
1995	168.9*	7.5*	240.3*	51.7	85.3	128.9	193.7	251.5	415.7	555.0	788.3	994.1	1570.5
2000	159.7*	6.2*	223.2*	38.8	81.0	128.8	179.9	253.6	358.2	522.3	701.5	1013.9	1565.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	22.8*	0.6*	21.2*	3.7	2.6	7.4	13.6	23.4	36.4	61.5	90.8	155.3	450.1
2000	18.7*	0.5*	19.1*	2.3	4.0	7.1	11.7	20.1	32.5	56.2	71.1	145.3	327.5
<b>Other respiratory disease</b>													
1995	9.2*	2.2*	6.6*	3.5	3.5	2.2	4.1	10.6	11.0	11.0	33.1	58.6	165.1
2000	8.2*	1.9*	5.6*	2.3	2.4	2.8	3.6	4.3	12.4	11.2	24.2	54.6	164.0
<b>Vascular disease</b>													
1995	460.7*	4.5*	343.8*	36.1	65.4	121.8	169.5	339.4	593.4	1081.2	2024.2	3643.2	10204.9
2000	432.4*	3.1*	283.4*	32.3	57.1	89.1	154.1	252.1	476.9	922.5	1810.4	3558.5	10313.5
<b>Liver cirrhosis</b>													
1995	40.5*	3.1*	82.5*	35.9	57.6	78.3	106.2	111.6	103.6	84.3	72.9	53.5	48.6
2000	29.4*	0.9*	62.2*	20.2	41.8	67.4	64.2	82.7	88.8	70.2	59.4	42.1	29.2
<b>Other medical causes</b>													
1995	84.3*	33.8*	84.3*	22.0	34.9	38.3	46.4	100.7	142.6	205.3	306.9	421.2	857.0
2000	87.2*	30.5*	77.4*	22.5	31.9	37.6	56.7	78.7	120.6	193.8	314.8	507.6	1106.2
<b>All non-medical causes</b>													
1995	56.6*	14.3*	56.5*	36.9	38.4	45.2	50.0	58.4	67.2	99.3	146.2	268.1	844.7
2000	46.3*	11.6*	44.4*	28.4	29.5	45.1	41.2	42.9	50.6	73.3	116.2	224.9	719.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

**HUNGARY: 2000****Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	- / 2.5	- / 1.2	-
35–69	14 / 35	3.7 / 17	21 years
70+	7.1 / 33	3.6 / 46	8 years
All ages	21 / 70	7.3 / 65	17 years

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

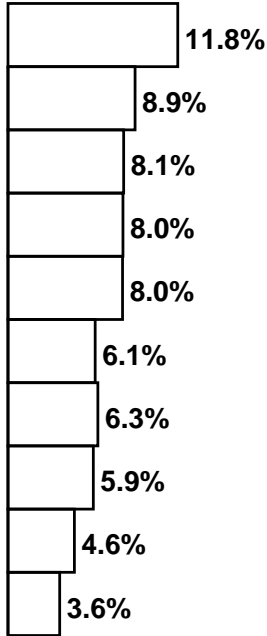
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	-/0.0	3.6/3.8	1.8/1.9	5.4/5.7	-/0.0	1.0/1.2	0.6/0.9	1.7/2.1
All Cancer	-/0.2	6.6/11 (62%)	2.9/7.9 (37%)	9.5/19	-/0.2	1.4/6.6 (22%)	0.8/7.8 (11%)	2.3/15
Vascular	-/0.2	5.6/12	2.7/19	8.3/32	-/0.1	1.5/6.1	1.8/31	3.3/37
Respiratory	-/0.1	0.9/1.2	1.1/1.8	2.0/3.0	-/0.0	0.3/0.5	0.7/1.6	1.0/2.1
All Other	-/2.0	1.3/10	0.4/4.6	1.7/17	-/0.9	0.5/4.2	0.2/6.3	0.7/11
All Causes	-/2.5	14/35 (41%)	7.1/33 (21%)	21/70	-/1.2	3.7/17 (21%)	3.6/46 (8%)	7.3/65

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	9.5 / 19 (51%)	2.3 / 15 (16%)	12 / 33 (35%)
All Causes	21 / 70 (30%)	7.3 / 65 (11%)	29 / 136 (21%)

1955-2000: HUNGARY

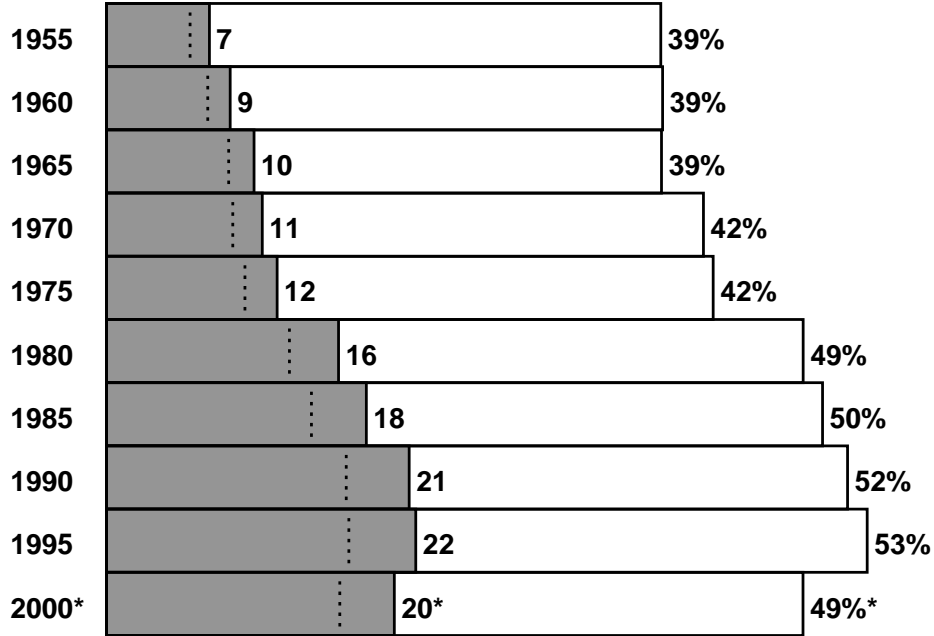
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

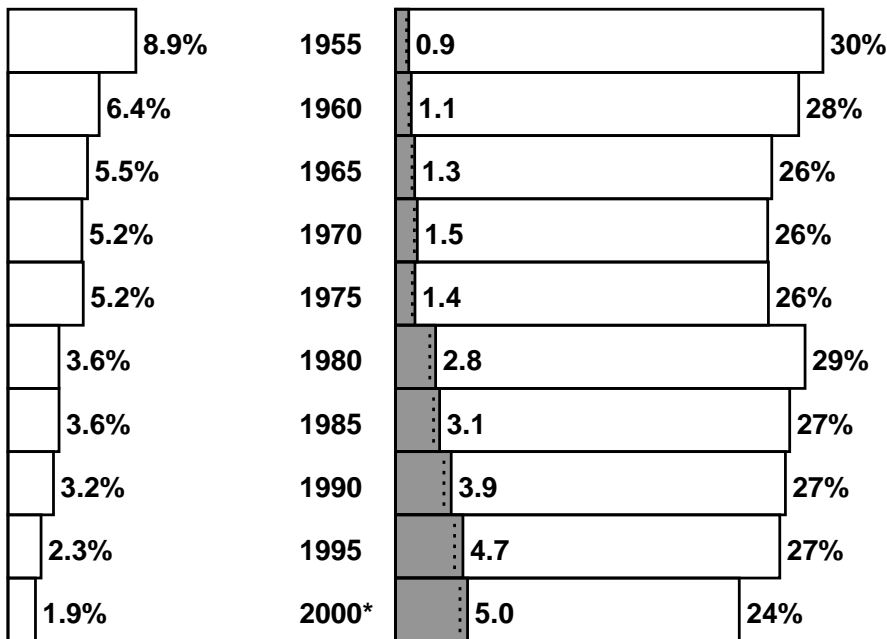
\*eg, at year 2000 male death rates, out of 100 men aged 35, 49 would die before age 70 (with 20 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



<b>HUNGARY: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/11	3.9/20 <b>(20%)</b>	0.7/19 <b>(4%)</b>	4.6/50	-/8.2	0.6/17 <b>(3%)</b>	0.1/23 <b>(0.6%)</b>	0.7/48
1960	-/7.3	4.9/22 <b>(23%)</b>	1.6/23 <b>(7%)</b>	6.5/52	-/5.1	0.7/17 <b>(4%)</b>	0.5/27 <b>(2%)</b>	1.2/50
1965	-/5.8	6.3/24 <b>(26%)</b>	2.7/26 <b>(11%)</b>	9.1/55	-/3.8	0.9/17 <b>(5%)</b>	0.9/31 <b>(3%)</b>	1.8/53
1970	-/6.2	7.1/27 <b>(26%)</b>	4.1/29 <b>(14%)</b>	11/63	-/3.7	1.1/18 <b>(6%)</b>	1.1/36 <b>(3%)</b>	2.1/58
1975	-/6.7	8.0/29 <b>(28%)</b>	6.3/33 <b>(19%)</b>	14/68	-/4.1	1.0/19 <b>(5%)</b>	1.9/40 <b>(5%)</b>	2.8/63
1980	-/5.2	11/33 <b>(34%)</b>	8.3/38 <b>(22%)</b>	20/77	-/2.9	1.9/20 <b>(10%)</b>	2.4/46 <b>(5%)</b>	4.4/69
1985	-/4.8	13/34 <b>(38%)</b>	8.1/39 <b>(21%)</b>	21/78	-/2.5	2.1/19 <b>(11%)</b>	2.8/48 <b>(6%)</b>	4.9/70
1990	-/4.2	16/39 <b>(41%)</b>	6.5/34 <b>(19%)</b>	23/77	-/2.1	3.0/21 <b>(14%)</b>	3.1/46 <b>(7%)</b>	6.0/69
1995	-/3.2	16/40 <b>(41%)</b>	7.5/34 <b>(22%)</b>	24/77	-/1.5	3.5/20 <b>(18%)</b>	3.5/47 <b>(7%)</b>	7.0/68
2000	-/2.5	14/35 <b>(41%)</b>	7.1/33 <b>(21%)</b>	21/70	-/1.2	3.7/17 <b>(21%)</b>	3.6/46 <b>(8%)</b>	7.3/65

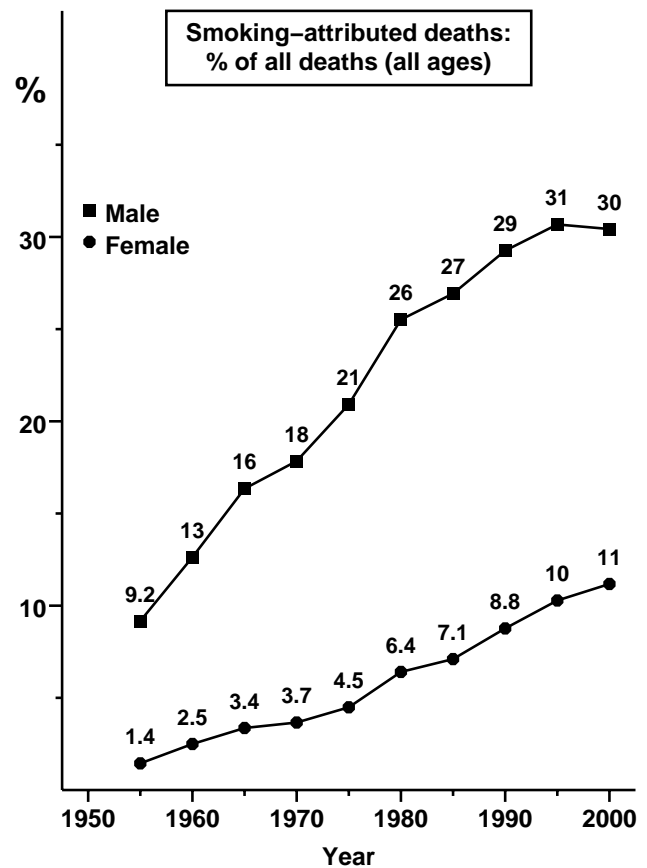
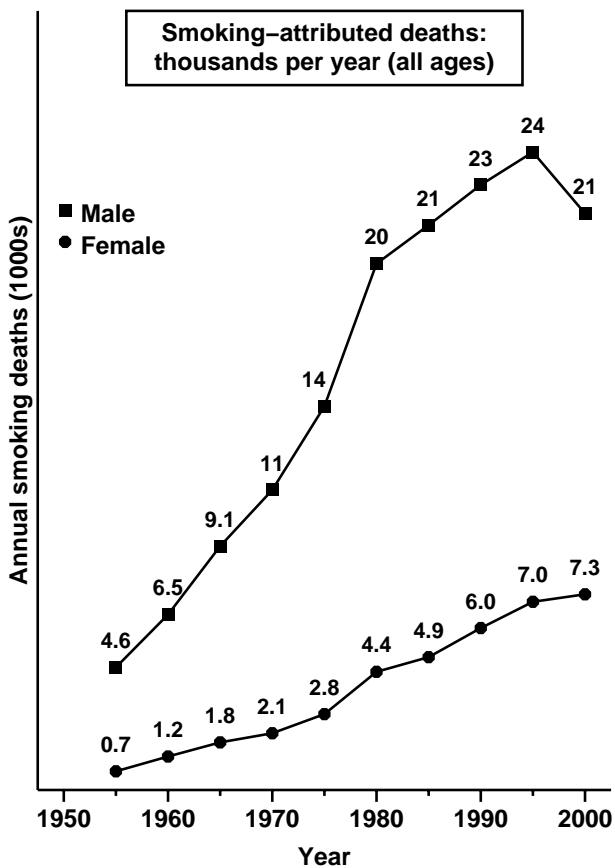
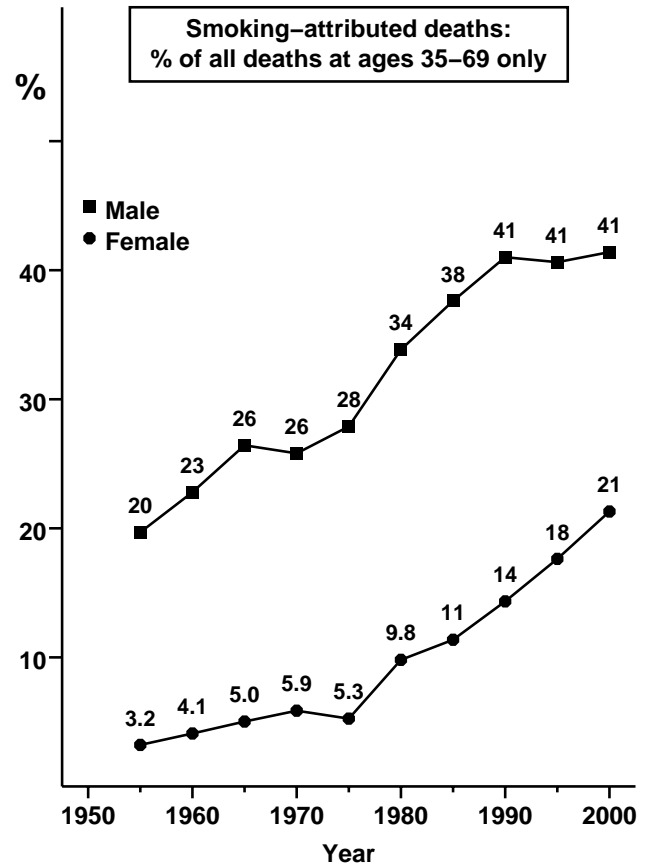
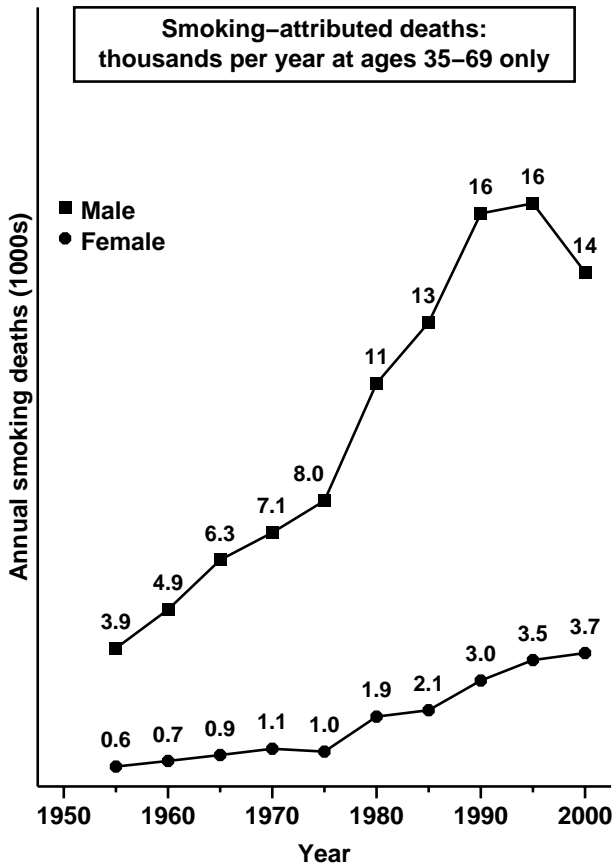
**50-year total\* (thousands), mid-1950 to mid-2000: 899 / 6301**

**1950-2000 by age & sex:**

-/318	474/1465 <b>(32%)</b>	253/1505 <b>(17%)</b>	726/3289	-/201	81/919 <b>(9%)</b>	92/1892 <b>(5%)</b>	172/3012
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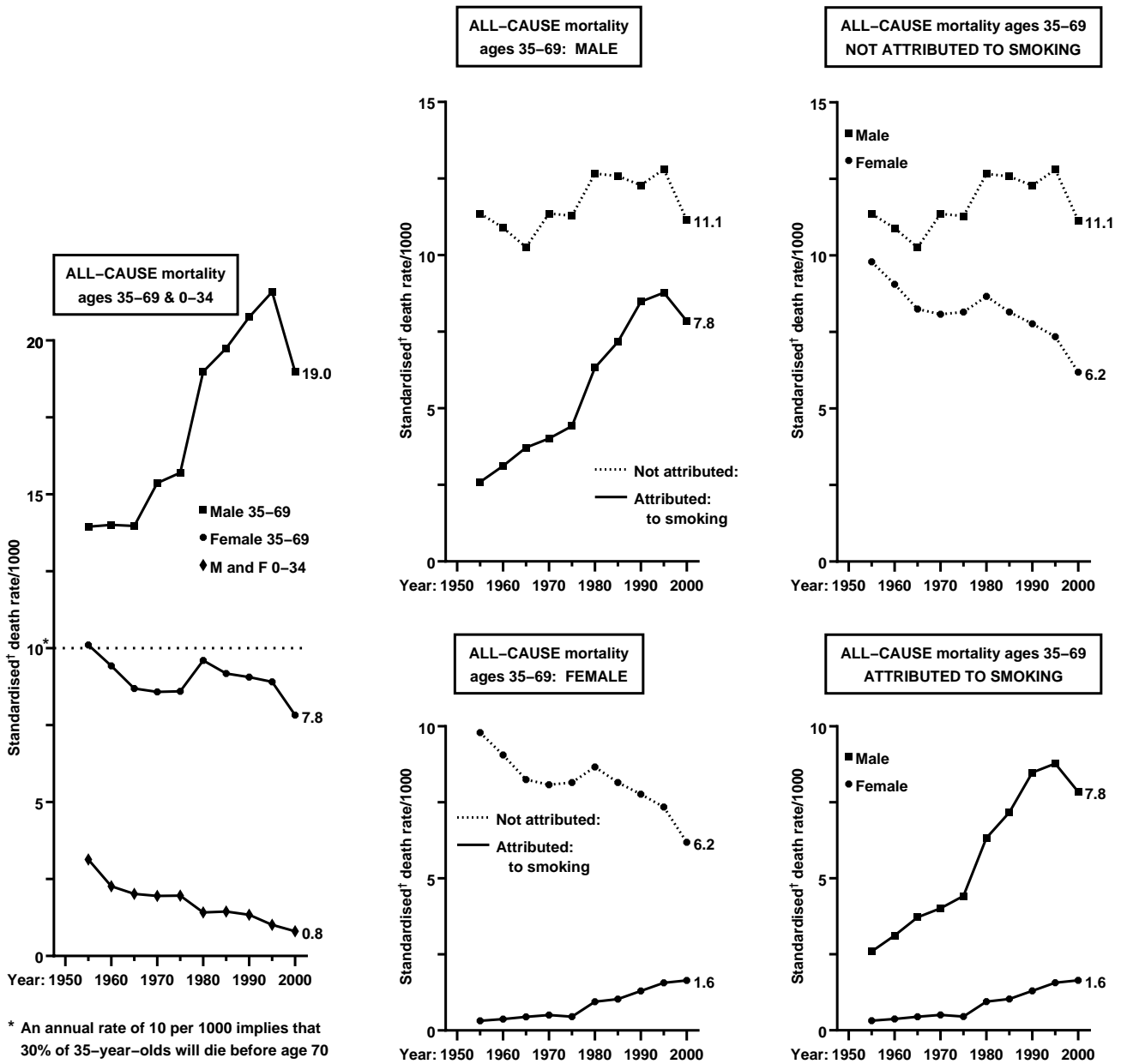
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: HUNGARY



**HUNGARY: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

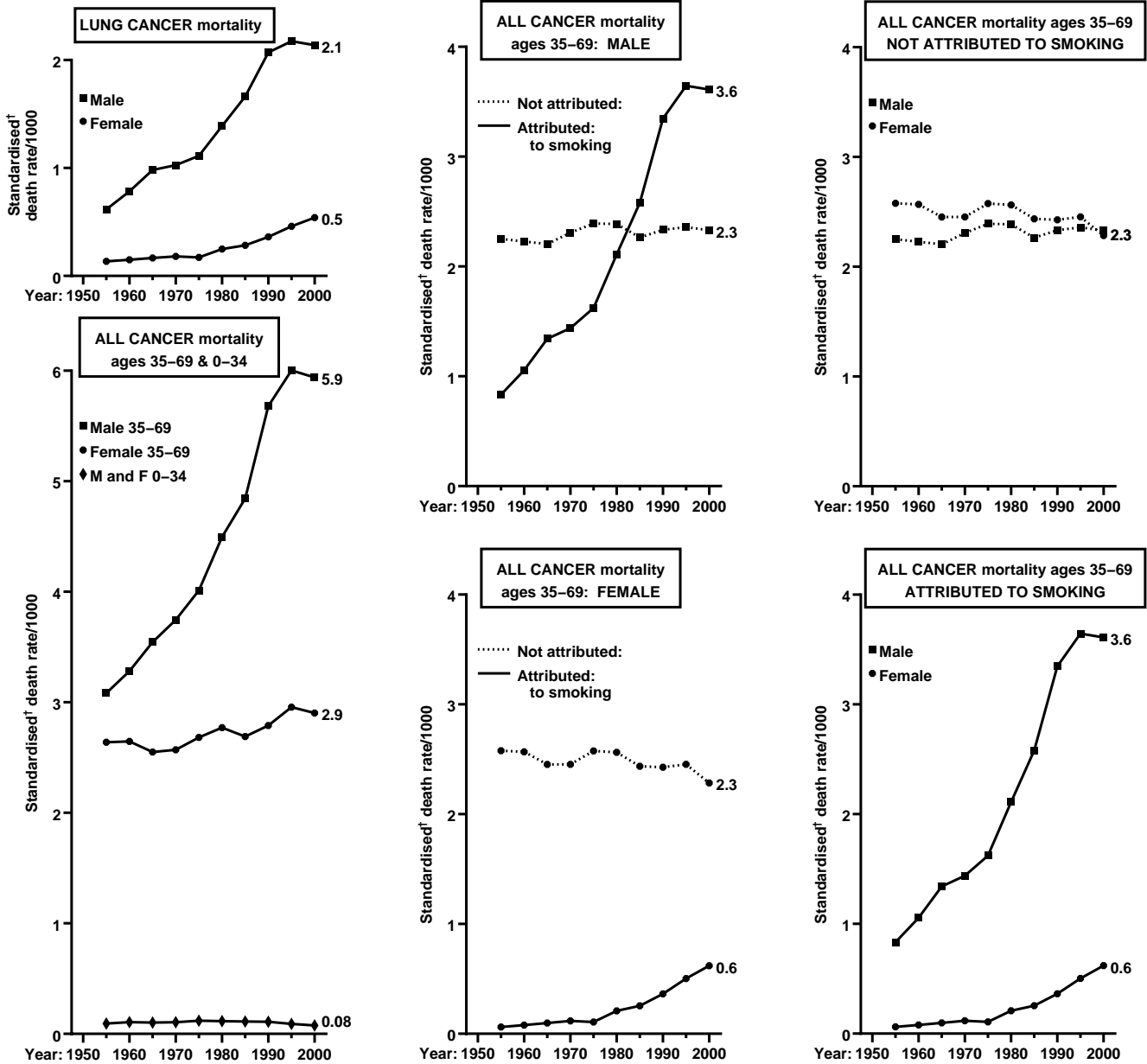
Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	-	3.60	2.59	11.4	3.25	73.7	-	2.67	0.31	9.79	0.45	66.2	-	2.67	0.31	9.79
1960	-	2.65	3.12	10.9	6.53	75.7	-	1.88	0.37	9.05	1.48	66.2	-	1.88	0.37	9.05
1965	-	2.40	3.71	10.3	10.2	74.0	-	1.63	0.44	8.24	2.09	61.6	-	1.63	0.44	8.24
1970	-	2.39	4.01	11.4	13.2	71.3	-	1.51	0.50	8.08	2.02	59.8	-	1.51	0.50	8.08
1975	-	2.38	4.42	11.3	18.0	68.8	-	1.54	0.45	8.15	2.96	56.4	-	1.54	0.45	8.15
1980	-	1.79	6.32	12.7	20.5	68.9	-	1.03	0.94	8.66	3.25	53.8	-	1.03	0.94	8.66
1985	-	1.85	7.16	12.6	19.7	69.1	-	1.03	1.03	8.15	3.45	52.3	-	1.03	1.03	8.15
1990	-	1.75	8.48	12.3	17.8	64.1	-	0.92	1.29	7.76	4.25	47.7	-	0.92	1.29	7.76
1995	-	1.35	8.77	12.8	18.8	59.3	-	0.67	1.56	7.34	4.15	42.5	-	0.67	1.56	7.34
2000	-	1.05	7.84	11.1	17.5	56.3	-	0.55	1.64	6.18	4.11	40.5	-	0.55	1.64	6.18

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)



1955-2000: HUNGARY

ALL CANCER mortality rates attributed and not attributed to smoking



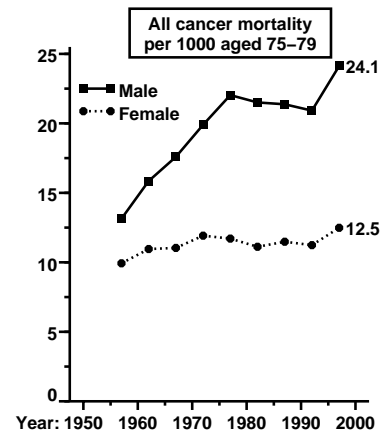
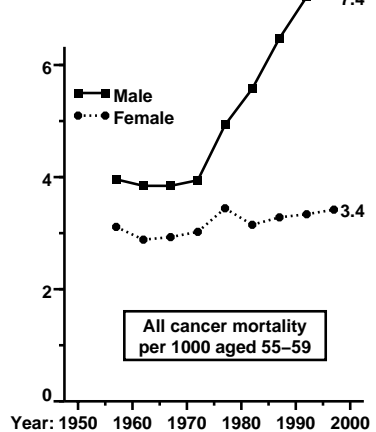
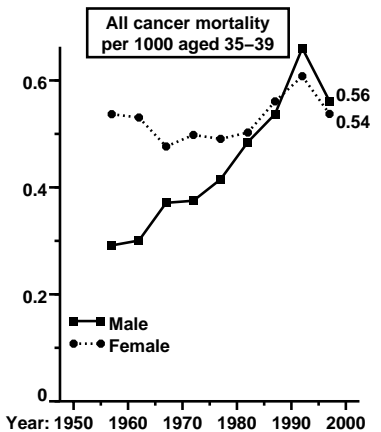
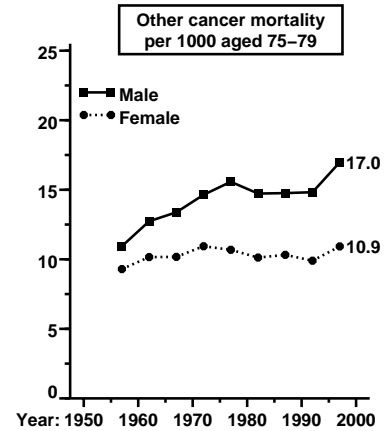
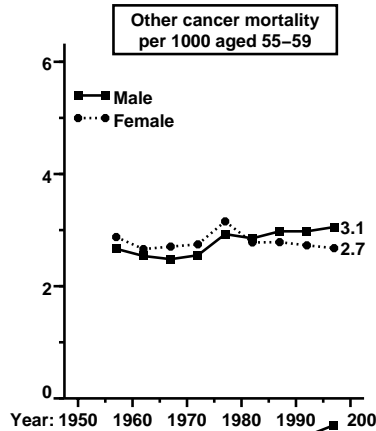
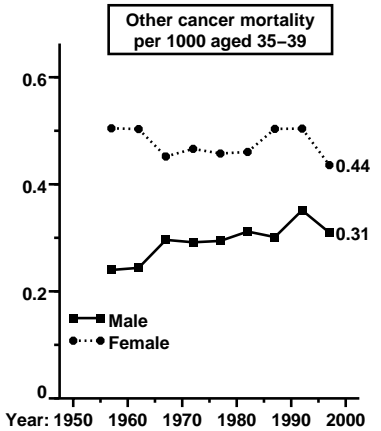
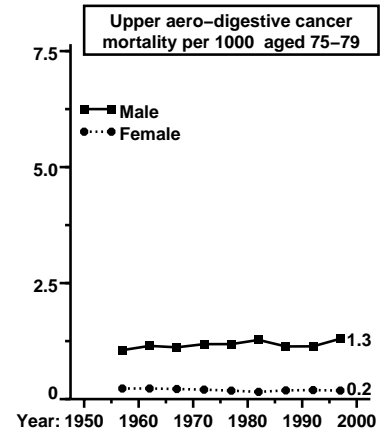
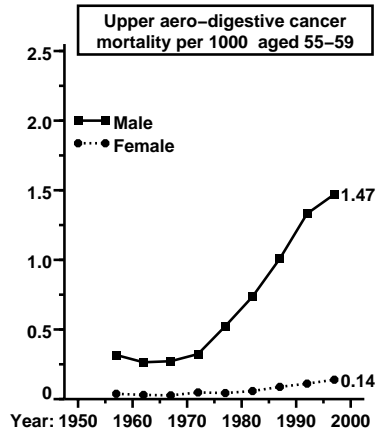
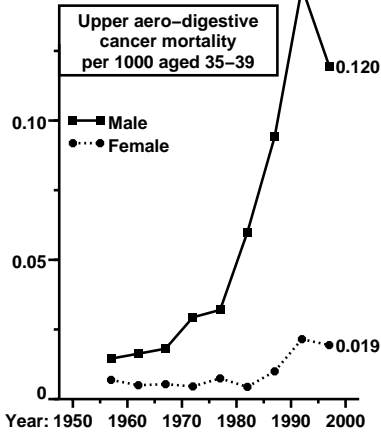
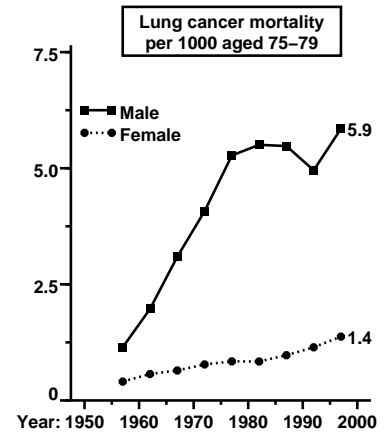
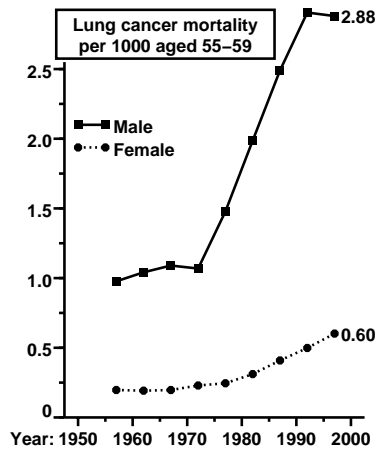
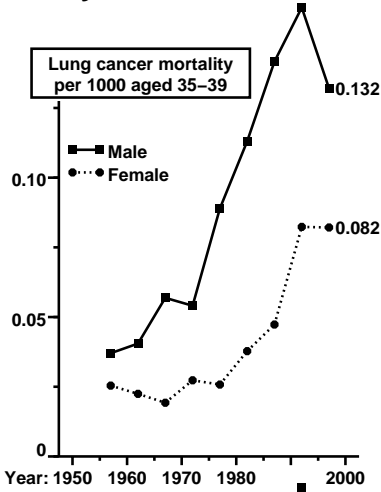
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	-	0.09	0.83	2.25	1.04	9.68	-	0.09	0.06	2.58	0.08	8.24	-	0.09	0.06	2.58
1960	-	0.11	1.05	2.23	2.19	11.5	-	0.10	0.08	2.57	0.25	9.34	-	0.10	0.10	2.45
1965	-	0.11	1.34	2.20	3.56	11.5	-	0.09	0.10	2.45	0.38	9.51	-	0.10	0.12	2.45
1970	-	0.11	1.44	2.31	4.97	12.0	-	0.10	0.12	2.45	0.42	9.70	-	0.10	0.11	2.58
1975	-	0.13	1.62	2.39	6.74	12.1	-	0.10	0.11	2.58	0.62	9.67	-	0.10	0.21	2.56
1980	-	0.13	2.11	2.39	7.03	11.8	-	0.10	0.21	2.56	0.58	8.99	-	0.10	0.25	2.44
1985	-	0.12	2.58	2.26	7.14	11.6	-	0.10	0.25	2.44	0.73	9.13	-	0.10	0.36	2.43
1990	-	0.11	3.35	2.33	7.16	12.3	-	0.10	0.36	2.43	1.03	9.21	-	0.10	0.50	2.45
1995	-	0.10	3.64	2.36	7.95	12.2	-	0.08	0.50	2.45	1.10	9.13	-	0.08	0.62	2.28
2000	-	0.08	3.61	2.33	7.90	12.1	-	0.07	0.62	2.28	1.16	8.78	-	0.07	0.62	2.28

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**HUNGARY: 1955-2000**

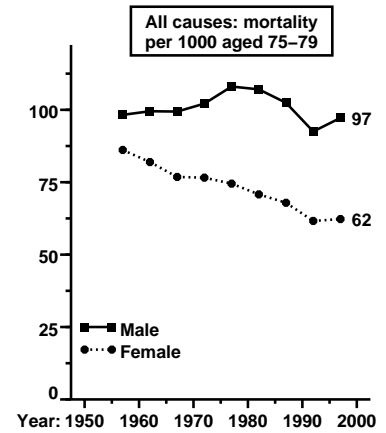
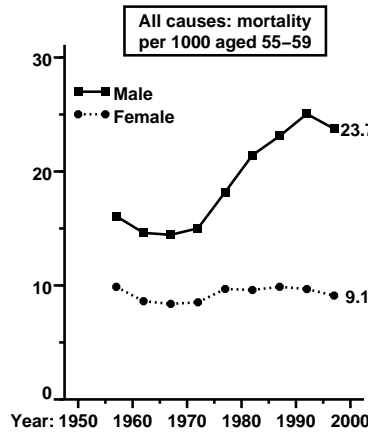
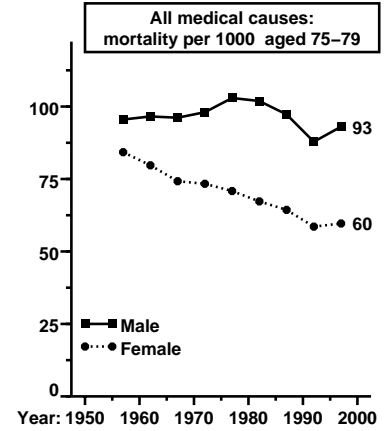
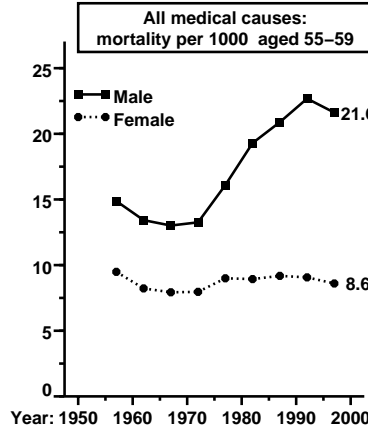
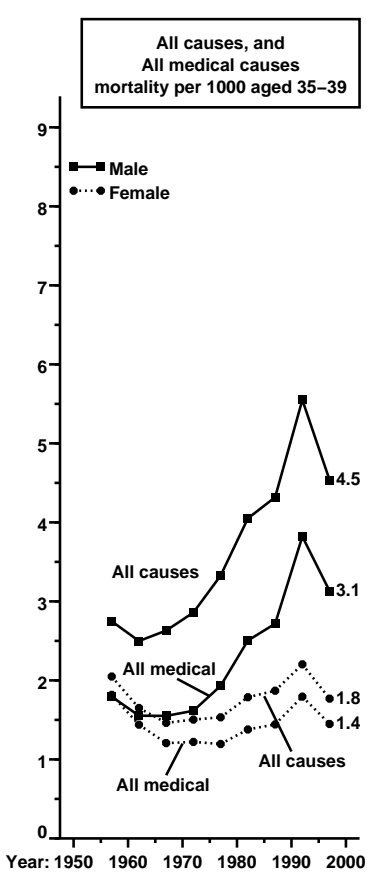
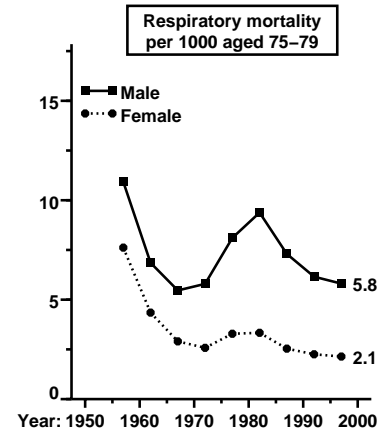
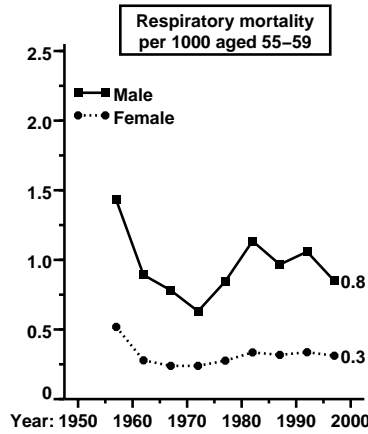
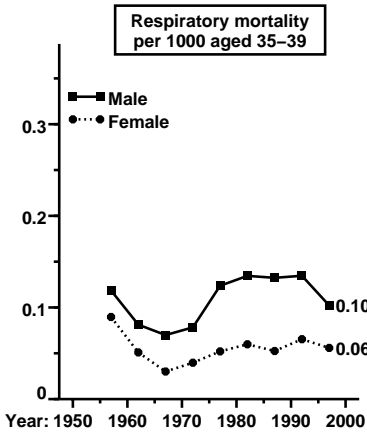
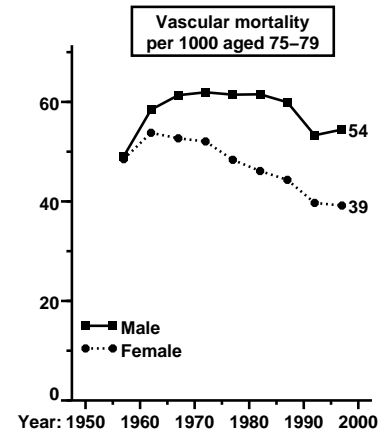
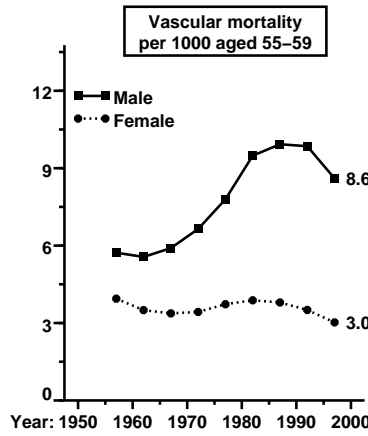
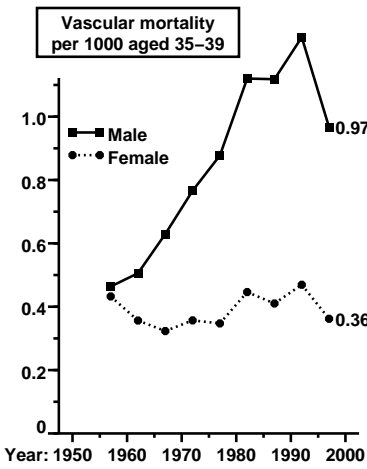
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 224-225

1955-2000: HUNGARY

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 224-225

## IRELAND: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	16192	979	4902	952.5	93.4	871.4	169.2	14.6	14.1	85.5	124.0	112.0	134.4
	F	15199	432	2953	625.6	43.6	510.2	117.3	14.6	15.5	37.7	38.6	32.5	49.2
Tuberculosis	M	29	-	4	1.7	-	0.7	-	-	-	-	-	-	-
	F	23	-	1	0.9	-	0.2	-	-	-	-	-	-	-
HIV	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	88	20	25	5.1	1.9	4.1	7.3	-	0.7	2.3	1.2	1.3	0.7
	F	83	14	23	3.9	1.4	3.9	4.7	-	1.4	2.5	1.2	-	-
ALL CANCER	M	4079	61	1652	245.2	5.9	301.9	2.2	1.5	0.7	5.3	6.7	5.8	19.2
	F	3587	54	1464	173.8	5.2	249.1	-	1.5	3.5	5.6	6.1	6.6	13.2
Mouth and pharynx cancer	M	86	1	53	5.3	0.1	9.4	-	-	-	-	-	-	0.7
	F	40	2	17	1.9	0.2	2.9	-	-	-	-	-	0.7	0.7
Oesophagus cancer	M	208	1	96	12.6	0.1	17.9	-	-	-	-	-	-	0.7
	F	114	1	27	4.9	0.1	4.7	-	-	-	-	-	-	0.7
Stomach cancer	M	212	-	93	12.8	-	17.5	-	-	-	-	-	-	-
	F	140	1	46	6.5	0.1	8.3	-	-	-	-	-	-	0.7
Colorectal cancer	M	493	4	205	29.7	0.4	38.1	-	-	-	-	0.6	0.6	1.5
	F	411	2	140	19.0	0.2	25.8	-	-	-	-	-	-	1.5
Liver cancer	M	18	-	9	1.1	-	1.8	-	-	-	-	-	-	-
	F	7	-	5	0.4	-	0.8	-	-	-	-	-	-	-
Pancreas cancer	M	181	1	75	10.9	0.1	13.2	-	-	-	-	-	-	0.7
	F	168	-	46	7.6	-	8.6	-	-	-	-	-	-	-
Larynx cancer	M	49	1	29	3.0	0.1	5.6	-	-	0.7	-	-	-	-
	F	6	-	1	0.3	-	0.2	-	-	-	-	-	-	-
Lung cancer	M	981	2	407	59.5	0.2	75.2	-	-	-	-	-	-	1.5
	F	587	-	222	28.7	-	39.8	-	-	-	-	-	-	-
Malignant melanoma	M	32	4	20	1.9	0.4	2.7	-	-	-	-	0.6	0.6	1.5
	F	34	1	19	1.7	0.1	2.9	-	-	-	-	0.6	-	-
Female breast cancer	F	668	3	391	35.1	0.3	62.0	-	-	-	-	-	-	2.2
Cervix cancer	F	65	2	49	3.6	0.2	7.4	-	-	-	-	-	-	1.5
Other uterine cancer	F	63	-	19	2.9	-	3.3	-	-	-	-	-	-	-
Ovarian cancer	F	238	4	111	12.2	0.4	18.7	-	-	-	-	0.6	0.7	1.5
Prostate cancer	M	541	-	98	31.8	-	20.1	-	-	-	-	-	-	-
Bladder cancer	M	92	-	22	5.5	-	4.1	-	-	-	-	-	-	-
	F	54	-	10	2.2	-	1.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	799	31	389	48.1	3.0	68.6	1.5	0.7	-	2.9	3.6	3.9	8.1
	F	692	26	263	33.1	2.5	45.3	-	0.8	1.4	3.7	2.4	4.6	4.4
Hodgkin's disease	M	11	1	7	0.7	0.1	1.1	-	-	-	0.6	-	-	-
	F	13	5	3	0.6	0.5	0.5	-	-	1.4	0.6	0.6	0.7	-
Myeloma and non- Hodgkin lymphomas	M	229	7	98	13.7	0.7	17.7	-	-	-	0.6	1.2	0.6	2.2
	F	186	-	73	8.8	-	12.7	-	-	-	-	-	-	-
Leukaemia	M	147	8	51	8.7	0.8	9.0	0.7	0.7	-	1.2	0.6	-	2.2
	F	101	7	22	4.3	0.6	3.4	-	0.8	0.7	1.2	1.8	-	-
Diabetes	M	217	1	83	13.0	0.1	16.1	-	-	-	-	-	0.6	-
	F	195	2	37	8.0	0.2	7.0	0.8	-	-	-	-	0.7	-
ALL VASCULAR DISEASE	M	6449	41	1862	383.0	4.0	339.1	1.5	0.7	0.7	1.8	3.6	7.8	11.8
	F	6217	26	719	236.9	2.6	129.9	1.6	0.8	0.7	-	3.1	3.3	8.8
Rheumatic heart disease and fever	M	16	-	7	1.0	-	1.3	-	-	-	-	-	-	-
	F	37	1	12	1.7	0.1	2.0	-	-	-	-	0.6	-	-
Hypertensive disease	M	106	-	32	6.3	-	6.1	-	-	-	-	-	-	-
	F	160	-	18	6.1	-	3.3	-	-	-	-	-	-	-
Ischaemic heart disease	M	3778	9	1235	225.7	0.9	225.9	-	-	-	-	-	1.3	5.2
	F	2811	4	315	107.4	0.4	59.8	-	-	-	-	0.6	-	2.2
Pulmonary embolism and other venous	M	88	3	35	5.3	0.3	6.2	-	-	-	-	-	-	2.2
	F	108	-	29	4.8	-	4.9	-	-	-	-	-	-	4.9
Cerebrovascular disease	M	1116	6	213	65.5	0.5	38.7	-	-	-	1.2	0.6	1.3	0.7
	F	1622	13	195	61.8	1.3	33.6	-	-	0.7	-	1.2	2.0	5.1
Other vascular disease	M	1345	23	340	79.3	2.2	60.9	1.5	0.7	0.7	0.6	3.0	5.2	3.7
	F	1479	8	150	55.1	0.8	26.3	1.6	0.8	-	-	0.6	1.3	1.5
Chronic obstructive pulmonary disease	M	922	5	156	54.0	0.5	30.0	0.7	-	-	0.6	0.6	-	1.5
	F	742	5	106	29.8	0.5	20.8	-	0.8	-	0.6	0.6	0.7	0.7
Other respiratory disease	M	1404	12	184	82.0	1.2	34.4	2.2	-	0.7	-	1.8	-	3.7
	F	1795	18	115	64.1	1.8	21.1	3.9	1.5	0.7	0.6	1.8	1.3	2.9
Peptic ulcer	M	83	1	28	4.9	0.1	5.3	-	-	-	-	0.6	-	-
	F	87	-	16	3.4	-	2.8	-	-	-	-	-	-	-
Liver cirrhosis	M	94	5	68	5.7	0.5	10.9	-	-	-	-	-	1.3	2.2
	F	56	1	33	3.0	0.1	5.5	-	-	-	-	-	-	0.7
Renal disease	M	202	3	38	11.9	0.3	7.2	1.5	-	-	-	-	-	0.7
	F	195	3	20	7.5	0.3	3.7	-	-	-	-	0.6	-	1.5
Pregnancy, birth Congenital and perinatal causes	F	1	1	-	0.0	0.1	-	-	-	-	-	-	0.7	-
	M	188	164	17	11.0	17.0	2.6	114.5	1.5	1.3	-	0.6	0.6	0.7
	F	137	115	15	8.2	12.6	2.2	80.0	1.5	2.1	1.2	1.2	0.7	1.5
Ill-defined causes	M	100	36	9	5.8	3.7	1.4	22.6	-	-	0.6	1.2	0.6	0.7
	F	119	23	6	4.7	2.5	1.1	15.5	-	-	-	0.6	0.7	0.7
Other medical causes	M	1240	117	341	71.7	11.1	56.7	11.7	2.9	4.0	11.1	13.3	15.5	19.2
	F	1481	57	263	60.0	5.6	43.5	7.8	2.3	2.1	6.8	6.7	5.3	8.1
ALL NON- MEDICAL CAUSES	M	1097	513	435	57.7	47.1	61.0	5.1	8.0	6.0	63.9	94.4	78.4	73.9
	F	481	113	135	21.3	10.7	19.3	3.1	6.2	4.9	20.4	16.5	12.6	11.0
Road traffic accidents	M	302	196	83	14.9	17.7	10.8	1.5	3.7	2.0	30.5	39.3	26.6	20.7
	F	98	49	33	4.9	4.7	4.9	0.8	2.3	3.5	10.5	4.3	4.0	7.3
Fire	M	34	9	11	1.9	0.9	1.8	1.5	-	0.7	-	1.8	1.3	0.7
	F	13	1	5	0.6	0.1	0.9	0.8	-	-	-	-	-	-
Suicide	M	381	185	182	19.9	17.1	24.2	-	-	0.7	19.9	30.9	36.9	31.0
	F	82	30	44	4.2	2.7	5.6	-	-	-	4.3	8.6	5.3	0.7
Homicide	M	30	22	8	1.5	2.1	0.9	1.5	1.5	0.7	2.3	2.4	2.6	3.7
	F	8	5	2	0.4	0.5	0.2	0.8	0.8	-	0.6	0.6	0.7	-
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				1888.0	1048.4	718.0	137.1	136.7	148.8	170.7	165.3	154.4	135.4	
				1913.1	1013.0	724.4	128.7	129.9	142.1	161.8	163.3	151.0	136.2	

## 2000: IRELAND

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
144.4	223.1	302.5	533.4	896.0	1449.9	2550.7	4547.6	7598.9	15204.1	M	ALL CAUSES	001-999/A00-Y89
94.4	136.7	217.4	329.5	516.7	839.1	1437.7	2678.3	4531.8	12357.5	F		
0.8	-	-	-	1.1	1.3	1.6	19.8	16.3	26.2	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	-	-	-	-	-	-	8.3	17.3	12.6	F		
-	-	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
-	0.8	4.2	5.2	3.4	5.3	9.7	11.9	37.9	67.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
2.2	0.8	0.8	1.8	4.6	10.7	6.1	19.9	27.0	31.5	F		
19.0	55.8	82.4	167.7	340.6	531.4	916.3	1408.7	1959.3	2720.1	M	ALL CANCER	140-208/C00-C97
41.0	70.7	113.7	184.4	279.1	441.0	614.0	927.0	1055.9	1515.0	F		
-	0.8	2.5	6.1	16.0	24.0	16.1	21.8	29.8	29.2	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.8	1.7	2.7	4.6	2.7	7.6	5.0	7.7	22.0	F		
-	3.9	5.9	9.6	16.0	25.4	64.4	77.4	113.8	87.5	M	Oesophagus cancer	150/C15
-	1.5	0.8	4.5	4.6	8.0	13.7	28.2	42.4	74.0	F		
-	4.6	3.4	6.1	13.7	41.4	53.1	69.4	100.3	137.0	M	Stomach cancer	151/C16
1.5	2.3	-	2.7	12.7	13.4	25.8	38.1	42.4	75.6	F		
0.8	5.4	12.7	23.5	28.6	66.8	128.8	170.6	243.9	314.9	M	Colorectal cancer	153, 154/C18-C21
2.9	2.3	6.7	12.5	21.9	44.2	89.7	99.5	140.7	214.2	F		
-	-	0.8	-	1.1	2.7	8.1	7.9	8.1	5.8	M	Liver cancer	155.0/C22 excl C221
-	-	0.8	0.9	1.2	-	3.0	1.7	1.9	-	F		
1.5	4.6	6.8	4.3	18.3	22.7	33.8	73.4	78.6	113.7	M	Pancreas cancer	157/C25
0.7	0.8	-	4.5	8.1	14.7	30.4	54.7	55.9	94.5	F		
-	-	1.7	0.9	6.9	13.4	16.1	4.0	16.3	32.1	M	Larynx cancer	161/C32
-	-	-	-	1.2	-	-	1.7	1.9	4.7	F		
0.8	6.2	11.9	46.9	100.6	144.2	215.8	410.7	468.8	559.8	M	Lung cancer	162/C33, C34
-	8.4	10.1	27.8	43.8	69.7	118.5	209.0	223.5	193.7	F		
2.3	4.6	0.8	2.6	5.7	2.7	-	7.9	8.1	2.9	M	Malignant melanoma	172/C43
-	3.1	0.8	5.4	-	6.7	4.6	3.3	11.6	9.4	F		
18.3	26.1	46.3	59.1	68.1	109.9	106.4	142.6	117.5	200.0	F	Female breast cancer	174/C50
2.9	4.6	8.4	6.3	6.9	13.4	9.1	5.0	5.8	12.6	F	Cervix cancer	180/C53
0.7	-	3.4	-	2.3	9.4	7.6	21.6	25.0	28.3	F	Other uterine cancer	179, 182/C54, C55
1.5	4.6	6.7	19.7	24.2	37.5	36.5	73.0	65.5	70.9	F	Ovarian cancer	183/C56, C570-C574
-	-	-	3.5	18.3	30.7	88.6	168.7	368.6	647.2	M	Prostate cancer	185/C61
-	-	-	6.1	-	8.0	14.5	41.7	40.7	99.1	M	Bladder cancer	188/C67
0.7	0.8	0.8	-	-	4.0	6.1	10.0	21.2	42.5	F		
10.6	17.0	23.8	44.3	86.9	102.8	194.8	222.2	308.9	446.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
8.0	11.5	20.2	26.0	57.7	76.4	117.0	172.5	200.4	307.1	F	Hodgkin's disease	201/C81
-	-	2.5	0.9	-	1.3	3.2	4.0	-	2.9	M		
-	-	0.8	-	1.2	1.3	-	3.3	3.9	1.6	F		
0.8	5.4	6.8	8.7	17.1	33.4	51.5	83.3	105.7	125.4	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
2.9	3.8	1.7	6.3	17.3	26.8	30.4	38.1	59.7	92.9	F	Leukaemia	204-208/C91-C95
2.3	3.1	2.5	4.3	11.4	12.0	27.4	45.6	67.8	116.6	M		
0.7	-	3.4	6.3	3.5	2.7	7.6	19.9	28.9	70.9	F		
0.8	0.8	4.2	6.1	13.7	22.7	64.4	59.5	105.7	186.6	M	Diabetes	250/E10-E14
0.7	-	2.5	1.8	6.9	6.7	30.4	41.5	65.5	152.8	F		
22.8	57.3	102.8	207.6	356.6	591.5	1035.4	1986.1	3308.9	6775.5	M	ALL VASCULAR DISEASE	390-459/I00-I99
11.0	27.6	43.8	62.7	122.3	199.7	442.2	980.1	1996.1	6055.1	F		
-	0.8	-	0.9	1.1	1.3	4.8	6.0	2.7	14.6	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	3.4	0.9	2.3	1.3	6.1	8.3	9.6	22.0	F		
0.8	1.5	2.5	-	3.4	12.0	22.5	35.7	48.8	110.8	M	Hypertensive disease	401-405/I10-I15
-	-	1.7	0.9	6.9	2.7	10.6	24.9	46.2	162.2	F		
9.9	30.2	54.4	147.7	254.9	412.6	671.5	1182.5	1970.2	3530.6	M	Ischaemic heart disease	410-414/I20-I25
0.7	5.4	16.0	20.6	40.4	104.6	231.0	494.2	938.3	2688.2	F		
-	0.8	2.5	5.2	8.0	9.3	17.7	23.8	48.8	58.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.7	0.8	5.1	0.9	6.9	8.0	12.2	26.5	52.0	56.7	F		
4.6	12.4	17.0	12.2	34.3	66.8	124.0	305.6	569.1	1553.9	M	Cerebrovascular disease	430-438/I60-I69
5.9	15.4	8.4	21.5	34.6	50.9	98.8	225.5	539.5	1571.7	F		
7.6	11.6	26.3	41.7	54.9	89.5	194.8	432.5	669.4	1507.3	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
3.7	6.1	9.3	17.9	31.1	32.2	83.6	200.7	410.4	1554.3	F		
-	3.1	6.8	12.2	27.4	49.4	111.1	265.9	588.1	1195.3	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	2.3	1.7	4.5	16.1	25.5	95.7	169.2	310.2	579.5	F	Other respiratory disease	Rest of 460-519/ rest of J00-J98
4.6	5.4	6.8	18.2	25.1	61.4	119.2	285.7	699.2	2349.9	M		
5.1	1.5	5.9	9.0	15.0	30.8	80.5	187.4	431.6	2086.6	F		
0.8	2.3	-	1.7	5.7	4.0	22.5	19.8	48.8	75.8	M	Peptic ulcer	531-533/K25-K27
0.7	0.8	0.8	0.9	4.6	2.7	9.1	10.0	27.0	80.3	F		
3.8	8.5	5.1	7.0	13.7	17.4	20.9	21.8	21.7	5.8	M	Liver cirrhosis	571/K70, K74
1.5	0.8	1.7	7.2	5.8	6.7	15.2	14.9	15.4	7.9	F		
2.3	0.8	0.8	1.7	6.9	10.7	27.4	73.4	105.7	247.8	M	Renal disease	580-590/N00-N19
-	-	0.8	2.7	2.3	10.7	9.1	33.2	73.2	179.5	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
1.5	-	0.8	4.3	3.4	8.0	-	4.0	5.4	8.7	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.5	-	3.4	1.8	4.6	1.3	3.0	1.7	1.9	7.9	F	Ill-defined causes	780-799/R00-R99
0.8	1.5	-	2.6	-	1.3	3.2	9.9	10.8	134.1	M		
-	0.8	-	-	2.3	-	4.6	3.3	19.3	122.8	F		
29.6	21.7	31.4	40.8	42.3	73.4	157.8	309.5	566.4	1215.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
11.7	16.1	24.4	33.1	41.5	80.4	97.3	243.8	427.7	1247.2	F		
57.8	65.1	56.9	58.2	56.0	72.1	61.2	71.4	124.7	195.3	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
19.0	15.4	17.7	19.7	11.5	22.8	28.9	38.1	63.6	278.7	F		
16.7	13.2	13.6	9.6	9.1	6.7	6.4	13.9	21.7	23.3	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
5.9	2.3	4.2	2.7	2.3	10.7	6.1	3.3	11.6	12.6	F		
0.8	0.8	-	1.7	2.3	5.3	1.6	6.0	19.0	11.7	M	Fire	E890-E899/X00-X09
0.7	-	-	0.9	-	-	4.6	1.7	3.9	6.3	F		
27.4	31.0	24.6	28.7	17.1	29.4	11.3	13.9	13.6	5.8	M	Suicide	E950-E959/X60-X84
7.3	7.7	7.6	7.2	3.5	2.7	3.0	5.0	5.8	3.1	F		
1.5	2.3	1.7	0.9	-	-	-	-	-	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.7	0.8	-	-	-	-	-	-	-	1.6	F		
131.6	129.1	117.7	115.1	87.5	74.9	62.1	50.4	36.9	34.3	M	POPULATION	
136.7	130.2	118.7	111.7	86.7	74.6	65.8	60.3	51.9	63.5	F	(1000s; UN, 2004 revision)	

## IRELAND: 1995, 2000

## Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	878	52	1	1	50	5	20	44	1	311	445
35-69	Sm.	1448	621	409	84	128	160	40	513	-	114	-
	Total	5144 (28%)	1624 (38%)	453 (90%)	144 (58%)	1027 (12%)	216 (74%)	174 (23%)	2228 (23%)	30	476 (24%)	396
70+	Sm.	2506	844	529	92	223	737	130	649	-	146	-
	Total	11053 (23%)	2421 (35%)	581 (91%)	154 (60%)	1686 (13%)	998 (74%)	1105 (12%)	5162 (13%)	17	1197 (12%)	153
Any age	Sm.	3954	1465	938	176	351	897	170	1162	-	260	-
	Total	17075 (23%)	4097 (36%)	1035 (91%)	299 (59%)	2763 (13%)	1219 (74%)	1299 (13%)	7434 (16%)	48	1984 (13%)	994
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	979	61	2	3	56	5	12	41	5	342	513
35-69	Sm.	1182	561	359	94	108	106	35	369	-	111	-
	Total	4902 (24%)	1652 (34%)	407 (88%)	178 (53%)	1067 (10%)	156 (68%)	184 (19%)	1862 (20%)	68	545 (20%)	435
70+	Sm.	2125	804	515	93	196	544	126	511	-	140	-
	Total	10311 (21%)	2366 (34%)	572 (90%)	162 (57%)	1632 (12%)	761 (71%)	1208 (10%)	4546 (11%)	21	1260 (11%)	149
Any age	Sm.	3307	1365	874	187	304	650	161	880	-	251	-
	Total	16192 (20%)	4079 (33%)	981 (89%)	343 (55%)	2755 (11%)	922 (70%)	1404 (11%)	6449 (14%)	94	2147 (12%)	1097

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	1792.3	1023.7	651.3	124.2	118.7	112.7	91.6	76.7	67.9	59.5	50.4	34.9	32.0
2000	1888.0	1048.4	718.0	131.6	129.1	117.7	115.1	87.5	74.9	62.1	50.4	36.9	34.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	17075	878	5144	184	237	340	525	780	1227	1851	2761	3028	5264
2000	16192	979	4902	190	288	356	614	784	1086	1584	2292	2804	5215
<b>Lung cancer</b>													
1995	1035	1	453	3	7	16	55	89	107	176	217	184	180
2000	981	2	407	1	8	14	54	88	108	134	207	173	192
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1073.9*	89.9*	1022.5*	148.1	199.7	301.7	573.1	1016.9	1807.1	3110.9	5478.2	8676.2	16450.0
2000	952.5*	93.4*	871.4*	144.4	223.1	302.5	533.4	896.0	1449.9	2550.7	4547.6	7598.9	15204.1
<b>All cancer</b>													
1995	263.2*	5.3*	325.7*	18.5	45.5	89.6	224.9	346.8	583.2	971.4	1492.1	2097.4	2928.1
2000	245.2*	5.9*	301.9*	19.0	55.8	82.4	167.7	340.6	531.4	916.3	1408.7	1959.3	2720.1
<b>Lung cancer</b>													
1995	67.2*	0.1*	93.1*	2.4	5.9	14.2	60.0	116.0	157.6	295.8	430.6	527.2	562.5
2000	59.5*	0.2*	75.2*	0.8	6.2	11.9	46.9	100.6	144.2	215.8	410.7	468.8	559.8
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	19.7*	0.1*	27.7*	1.6	0.8	10.6	31.7	45.6	38.3	65.5	91.3	146.1	178.1
2000	20.9*	0.3*	32.8*	-	4.6	10.2	16.5	38.9	62.8	96.6	103.2	159.9	148.7
<b>Other cancer</b>													
1995	176.3*	5.1*	204.8*	14.5	38.8	64.8	133.2	185.1	387.3	610.1	970.2	1424.1	2187.5
2000	164.7*	5.4*	193.9*	18.2	44.9	60.3	104.3	201.1	324.4	603.9	894.8	1330.6	2011.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	75.6*	0.5*	46.7*	0.8	3.4	4.4	14.2	28.7	85.4	189.9	474.2	853.9	1440.6
2000	54.0*	0.5*	30.0*	-	3.1	6.8	12.2	27.4	49.4	111.1	265.9	588.1	1195.3
<b>Other respiratory disease</b>													
1995	80.5*	2.0*	35.2*	5.6	9.3	9.8	12.0	22.2	61.9	126.1	315.5	656.2	2240.6
2000	82.0*	1.2*	34.4*	4.6	5.4	6.8	18.2	25.1	61.4	119.2	285.7	699.2	2349.9
<b>Vascular disease</b>													
1995	471.7*	4.5*	456.1*	29.0	48.0	104.7	230.3	462.8	857.1	1460.5	2597.2	3979.9	7700.0
2000	383.0*	4.0*	339.1*	22.8	57.3	102.8	207.6	356.6	591.5	1035.4	1986.1	3308.9	6775.5
<b>Liver cirrhosis</b>													
1995	3.1*	0.1*	5.7*	1.6	0.8	4.4	1.1	7.8	10.3	13.4	19.8	14.3	6.3
2000	5.7*	0.5*	10.9*	3.8	8.5	5.1	7.0	13.7	17.4	20.9	21.8	21.7	5.8
<b>Other medical causes</b>													
1995	122.8*	33.1*	92.1*	29.0	24.4	33.7	42.6	88.7	147.3	279.0	494.0	968.5	1906.3
2000	125.0*	34.3*	94.1*	36.5	27.9	41.6	62.6	76.6	126.8	286.6	507.9	897.0	1962.1
<b>All non-medical causes</b>													
1995	57.1*	44.5*	61.0*	63.6	68.2	55.0	48.0	60.0	61.9	70.6	85.3	106.0	228.1
2000	57.7*	47.1*	61.0*	57.8	65.1	56.9	58.2	56.0	72.1	61.2	71.4	124.7	195.3

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

## 1995, 2000: IRELAND

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	447	51	0	0	51	5	18	42	1	226	104
35-69	Sm.	610	226	167	29	30	114	20	188	-	62	-
	Total	3076 (20%)	1393 (16%)	216 (77%)	60 (48%)	1117 (3%)	166 (69%)	103 (19%)	914 (21%)	35	319 (19%)	146
70+	Sm.	1627	388	265	64	59	442	125	533	-	139	-
	Total	11661 (14%)	1978 (20%)	323 (82%)	119 (54%)	1536 (4%)	618 (72%)	1474 (8%)	5877 (9%)	17	1523 (9%)	174
Any age	Sm.	2237	614	432	93	89	556	145	721	-	201	-
	Total	15184 (15%)	3422 (18%)	539 (80%)	179 (52%)	2704 (3%)	789 (70%)	1595 (9%)	6833 (11%)	53	2068 (10%)	424
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	432	54	0	3	51	5	18	26	1	215	113
35-69	Sm.	518	221	169	20	32	71	22	134	-	70	-
	Total	2953 (18%)	1464 (15%)	222 (76%)	45 (44%)	1197 (3%)	106 (67%)	115 (19%)	719 (19%)	33	381 (18%)	135
70+	Sm.	1904	454	312	66	76	483	174	600	-	193	-
	Total	11814 (16%)	2069 (22%)	365 (85%)	112 (59%)	1592 (5%)	631 (77%)	1662 (10%)	5472 (11%)	22	1725 (11%)	233
Any age	Sm.	2422	675	481	86	108	554	196	734	-	263	-
	Total	15199 (16%)	3587 (19%)	587 (82%)	160 (54%)	2840 (4%)	742 (75%)	1795 (11%)	6217 (12%)	56	2321 (11%)	481

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	1816.6	991.7	655.3	126.8	118.9	110.5	88.3	75.5	68.9	66.4	62.8	48.4	58.4
2000	1913.1	1013.0	724.4	136.7	130.2	118.7	111.7	86.7	74.6	65.8	60.3	51.9	63.5
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	15184	447	3076	92	155	242	321	427	669	1170	1806	2483	7372
2000	15199	432	2953	129	178	258	368	448	626	946	1615	2352	7847
<b>Lung cancer</b>													
1995	539	-	216	1	9	14	22	32	44	94	114	86	123
2000	587	-	222	-	11	12	31	38	52	78	126	116	123
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	674.1*	47.8*	583.4*	72.6	130.4	219.0	363.5	565.6	971.0	1762.0	2875.8	5130.2	12623.3
2000	625.6*	43.6*	510.2*	94.4	136.7	217.4	329.5	516.7	839.1	1437.7	2678.3	4531.8	12357.5
<b>All cancer</b>													
1995	176.8*	5.4*	259.3*	28.4	68.1	119.5	207.2	287.4	419.4	685.2	869.4	1084.7	1553.1
2000	173.8*	5.2*	249.1*	41.0	70.7	113.7	184.4	279.1	441.0	614.0	927.0	1055.9	1515.0
<b>Lung cancer</b>													
1995	27.8*	-	42.0*	0.8	7.6	12.7	24.9	42.4	63.9	141.6	181.5	177.7	210.6
2000	28.7*	-	39.8*	-	8.4	10.1	27.8	43.8	69.7	118.5	209.0	223.5	193.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	8.7*	-	11.7*	0.8	2.5	1.8	9.1	6.6	16.0	45.2	47.8	72.3	92.5
2000	7.1*	0.3*	7.8*	-	2.3	2.5	7.2	10.4	10.7	21.3	34.8	52.0	100.8
<b>Other cancer</b>													
1995	140.2*	5.4*	205.7*	26.8	58.0	105.0	173.3	238.4	339.6	498.5	640.1	834.7	1250.0
2000	138.0*	4.9*	201.6*	41.0	59.9	101.1	149.5	224.9	360.6	474.2	683.3	780.3	1220.5
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	35.5*	0.5*	33.6*	0.8	2.5	4.5	6.8	33.1	56.6	131.0	192.7	396.7	522.3
2000	29.8*	0.5*	20.8*	-	2.3	1.7	4.5	16.1	25.5	95.7	169.2	310.2	579.5
<b>Other respiratory disease</b>													
1995	61.5*	1.8*	19.9*	2.4	5.0	5.4	5.7	19.9	39.2	61.7	191.1	462.8	1934.9
2000	64.1*	1.8*	21.1*	5.1	1.5	5.9	9.0	15.0	30.8	80.5	187.4	431.6	2086.6
<b>Vascular disease</b>													
1995	283.6*	4.5*	181.1*	12.6	14.3	43.4	78.1	141.7	314.9	662.7	1240.4	2456.6	6693.5
2000	236.9*	2.6*	129.9*	11.0	27.6	43.8	62.7	122.3	199.7	442.2	980.1	1996.1	6055.1
<b>Liver cirrhosis</b>													
1995	3.1*	0.1*	6.2*	3.9	3.4	0.9	3.4	4.0	13.1	15.1	9.6	12.4	8.6
2000	3.0*	0.1*	5.5*	1.5	0.8	1.7	7.2	5.8	6.7	15.2	14.9	15.4	7.9
<b>Other medical causes</b>													
1995	92.0*	24.8*	59.9*	11.0	16.8	21.7	34.0	58.3	101.6	176.2	332.8	646.7	1714.0
2000	96.7*	22.7*	64.4*	16.8	18.4	32.9	42.1	66.9	112.6	161.1	361.5	659.0	1834.6
<b>All non-medical causes</b>													
1995	21.6*	10.6*	23.3*	13.4	20.2	23.5	28.3	21.2	26.1	30.1	39.8	70.2	196.9
2000	21.3*	10.7*	19.3*	19.0	15.4	17.7	19.7	11.5	22.8	28.9	38.1	63.6	278.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## IRELAND: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.0	– / 0.4	–
35–69	1.2 / 4.9	0.5 / 3.0	21 years
70+	2.1 / 10	1.9 / 12	8 years
All ages	3.3 / 16	2.4 / 15	12 years

## Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/ 2	359/407	515/572	874/981	–/ 0	169/222	312/365	481/587
All Cancer	–/61	561/1652 (34%)	804/2366 (34%)	1365/4079	–/54	221/1464 (15%)	454/2069 (22%)	675/3587
Vascular	–/41	369/1862	511/4546	880/6449	–/26	134/719	600/5472	734/6217
Respiratory	–/17	141/340	670/1969	811/2326	–/23	93/221	657/2293	750/2537
All Other	–/860	111/1048	140/1430	251/3338	–/329	70/549	193/1980	263/2858
All Causes	–/979	1182/4902 (24%)	2125/10311 (21%)	3307/16192	–/432	518/2953 (18%)	1904/11814 (16%)	2422/15199

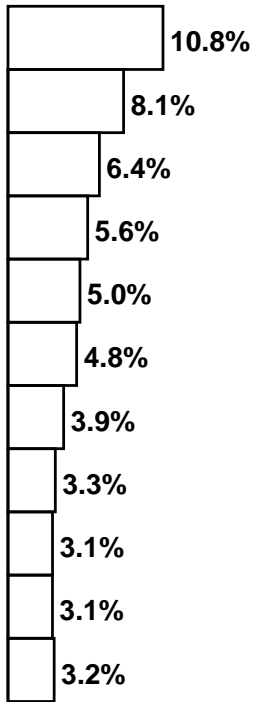
## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.4 / 4.1 (33%)	0.7 / 3.6 (19%)	2.0 / 7.7 (27%)
All Causes	3.3 / 16 (20%)	2.4 / 15 (16%)	5.7 / 31 (18%)



1950-2000: IRELAND

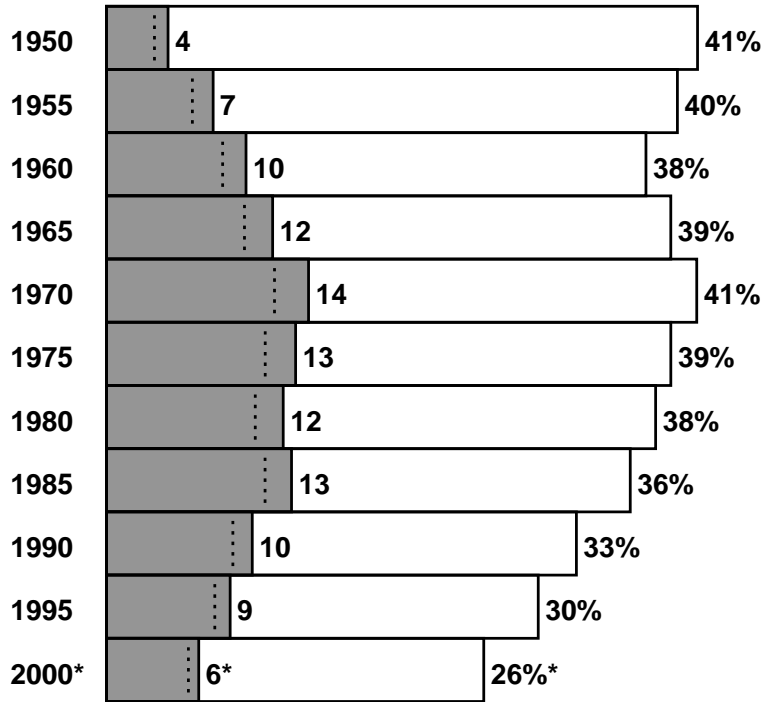
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

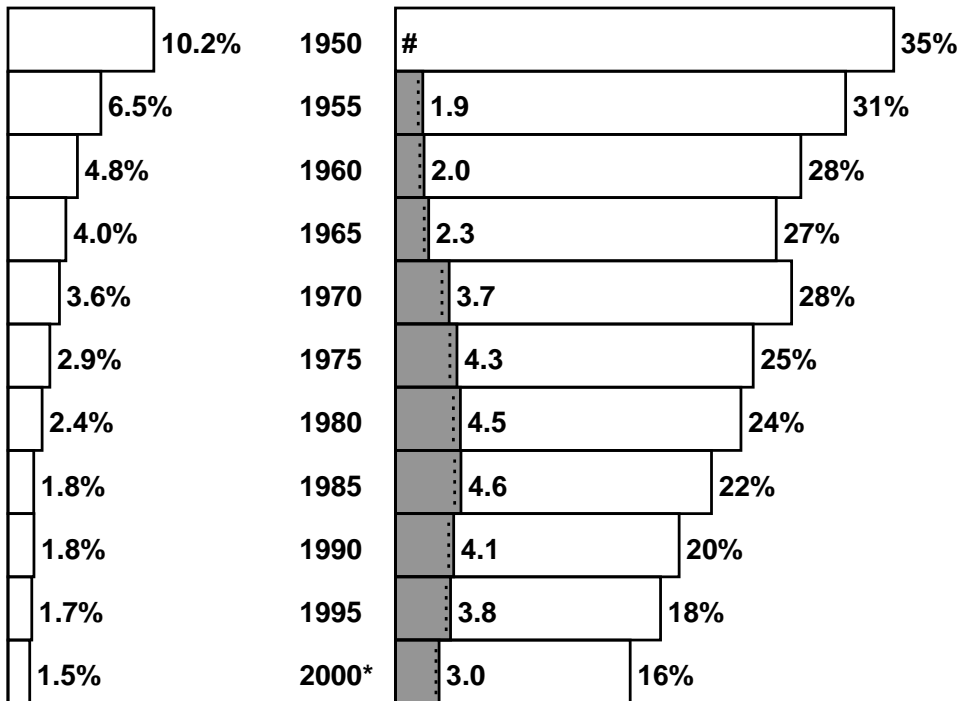
\*eg, at year 2000 male death rates, out of 100 men aged 35, 26 would die before age 70 (with 6 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

## IRELAND: 1950-2000

## Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/3138	800/6938 (12%)	15/9950 (0.2%)	815/20026	-/2716	0/5527	0/9472	0/17715
1955	-/2209	1337/6623 (20%)	245/10941 (2%)	1582/19773	-/1702	313/4869 (6%)	0/10417	313/16988
1960	-/1718	1633/6026 (27%)	358/9740 (4%)	1991/17484	-/1244	312/4337 (7%)	7/9595	319/15176
1965	-/1533	1938/6510 (30%)	776/9922 (8%)	2714/17965	-/1087	361/4106 (9%)	162/9864 (2%)	523/15057
1970	-/1365	2437/6980 (35%)	1222/10102 (12%)	3659/18447	-/970	585/4317 (14%)	429/9952 (4%)	1014/15239
1975	-/1450	2274/6779 (34%)	1720/9848 (17%)	3994/18077	-/875	700/4037 (17%)	628/10184 (6%)	1328/15096
1980	-/1230	2174/6794 (32%)	2027/10206 (20%)	4201/18230	-/735	750/4004 (19%)	752/10503 (7%)	1502/15242
1985	-/1048	2180/6228 (35%)	2507/10925 (23%)	4687/18201	-/562	732/3589 (20%)	1469/10861 (14%)	2201/15012
1990	-/883	1670/5475 (31%)	2476/10470 (24%)	4146/16828	-/498	652/3245 (20%)	1607/10799 (15%)	2259/14542
1995	-/878	1448/5144 (28%)	2506/11053 (23%)	3954/17075	-/447	610/3076 (20%)	1627/11661 (14%)	2237/15184
2000	-/979	1182/4902 (24%)	2125/10311 (21%)	3307/16192	-/432	518/2953 (18%)	1904/11814 (16%)	2422/15199

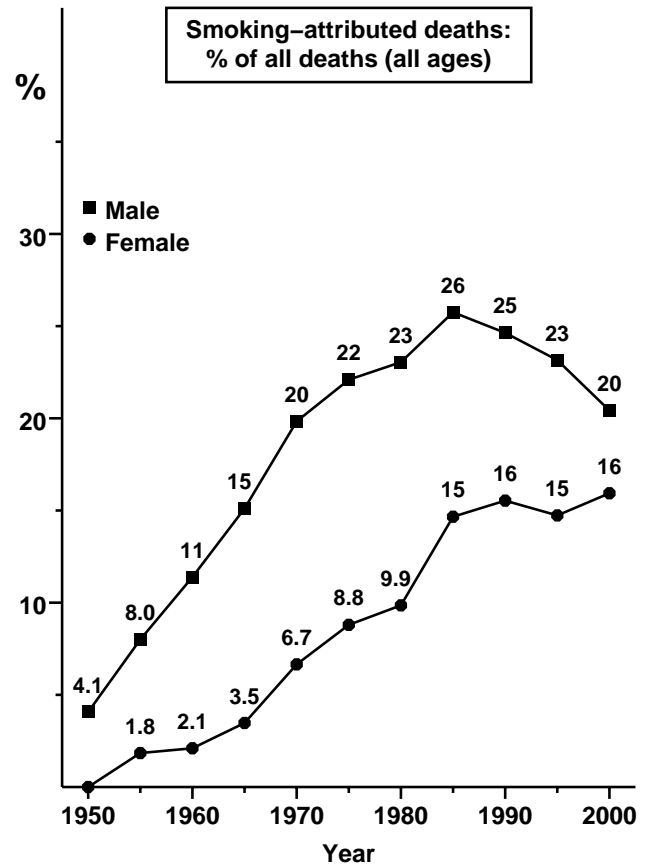
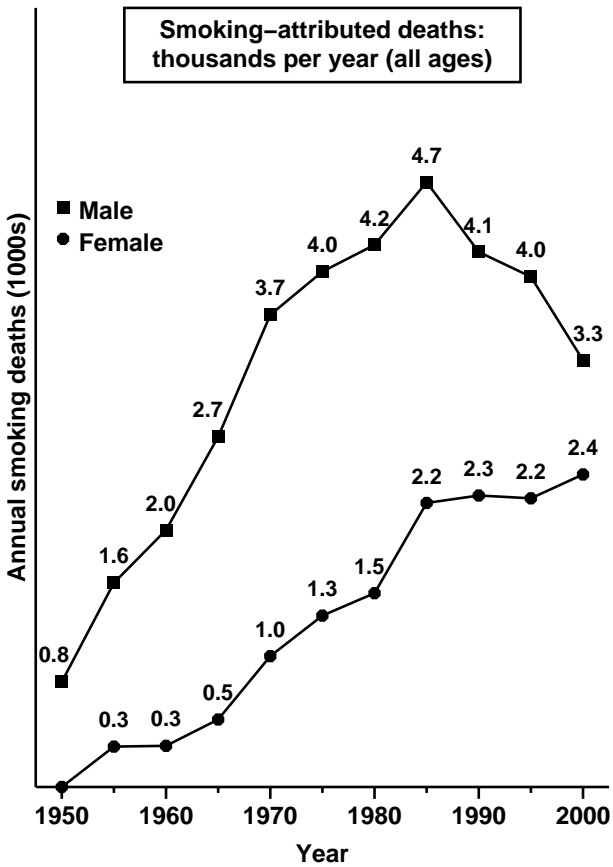
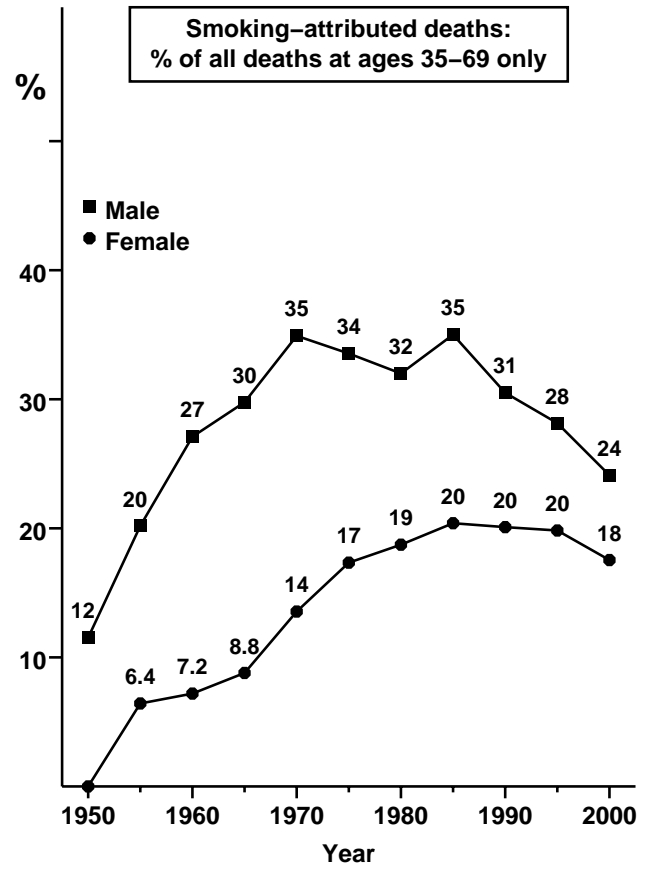
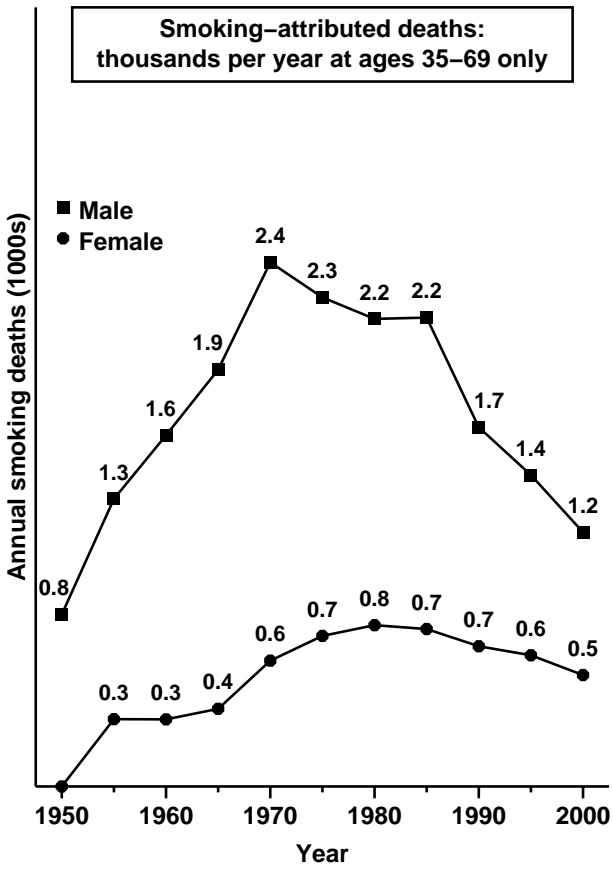
50-year total\* (thousands), mid-1950 to mid-2000: 235 / 1684

1950-2000 by age & sex:

-/71	92/313 (29%)	78/527 (15%)	169/911	-/47	27/197 (14%)	39/530 (7%)	66/773
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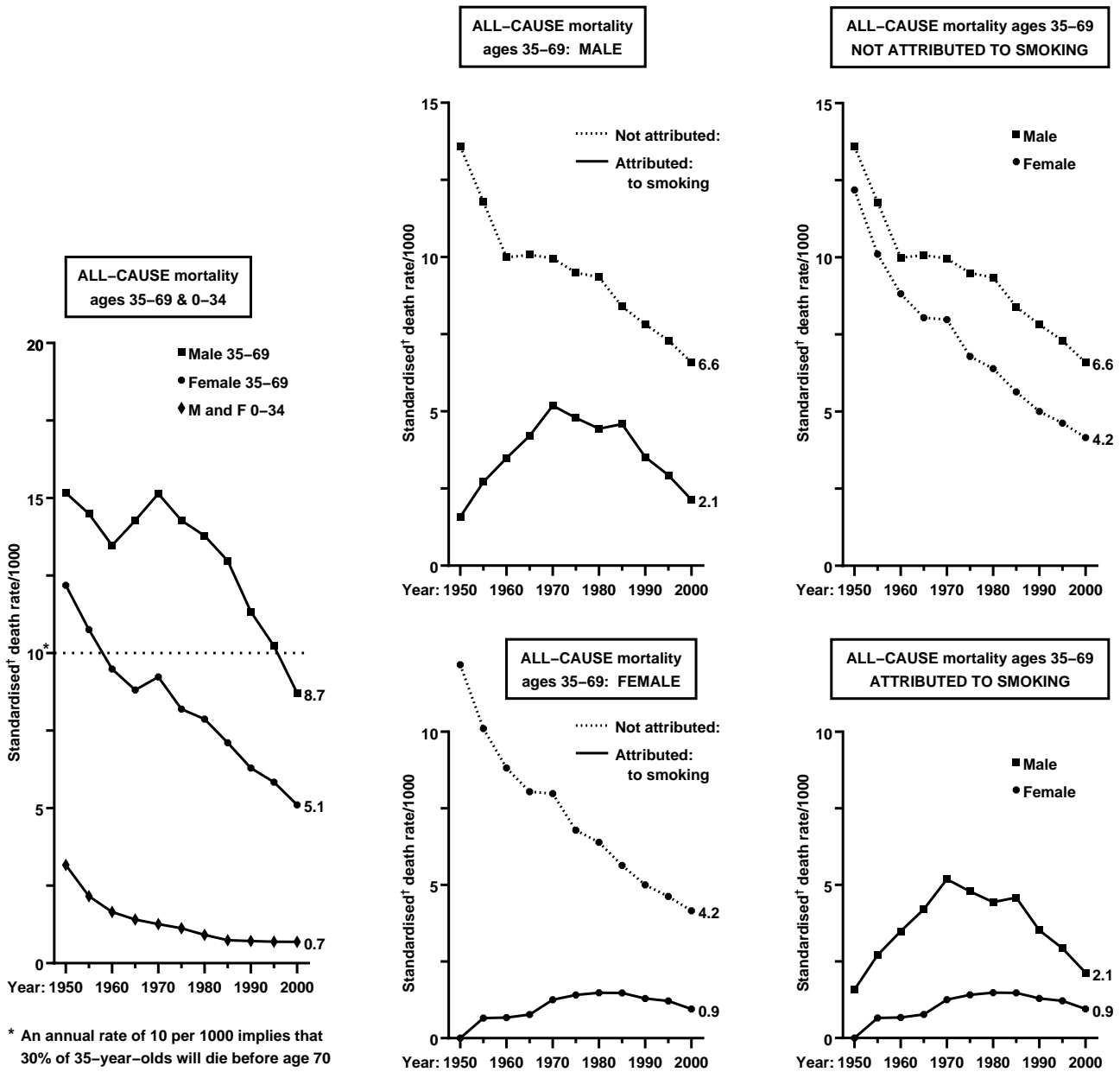
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: IRELAND



**IRELAND: 1950-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

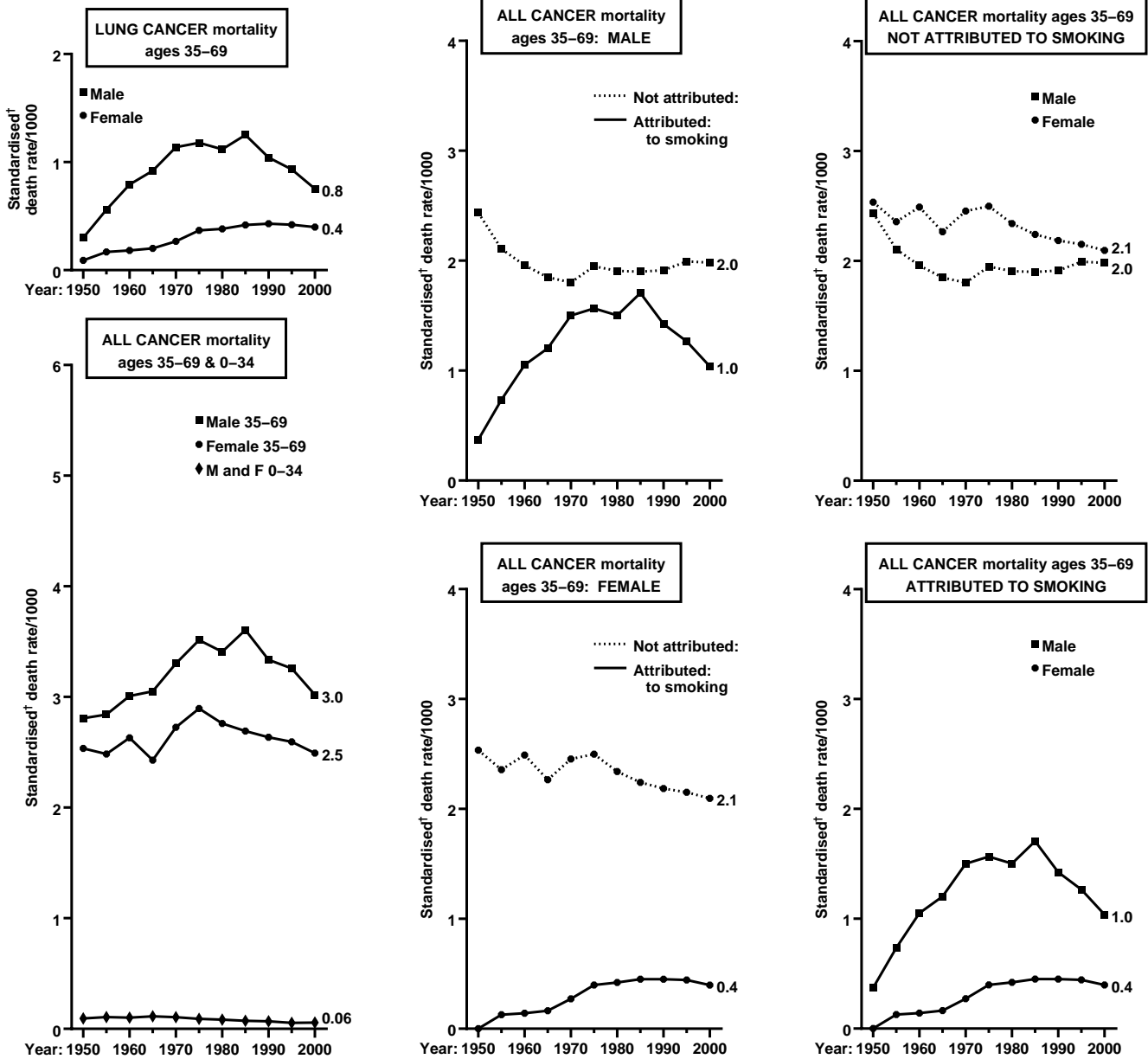
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	-	3.27	1.58	13.6	0.15	81.6	-	3.06	0.00	12.2	0.00	69.3	-	3.06	0.00	12.2	0.00	69.3
1955	-	2.40	2.71	11.8	2.06	81.1	-	1.91	0.65	10.1	0.00	70.5	-	1.91	0.65	10.1	0.00	70.5
1960	-	1.88	3.48	9.99	3.42	69.0	-	1.42	0.67	8.81	0.07	59.5	-	1.42	0.67	8.81	0.07	59.5
1965	-	1.63	4.20	10.1	7.67	69.2	-	1.18	0.77	8.04	1.72	57.2	-	1.18	0.77	8.04	1.72	57.2
1970	-	1.47	5.18	9.96	11.0	66.7	-	1.04	1.25	7.98	3.01	51.4	-	1.04	1.25	7.98	3.01	51.4
1975	-	1.40	4.78	9.49	15.3	62.3	-	0.85	1.41	6.78	3.79	47.8	-	0.85	1.41	6.78	3.79	47.8
1980	-	1.13	4.43	9.35	17.9	61.9	-	0.69	1.48	6.39	5.08	46.3	-	0.69	1.48	6.39	5.08	46.3
1985	-	0.96	4.58	8.39	20.7	62.1	-	0.52	1.47	5.63	7.98	39.7	-	0.52	1.47	5.63	7.98	39.7
1990	-	0.90	3.52	7.82	18.3	53.0	-	0.52	1.29	5.00	7.40	33.2	-	0.52	1.29	5.00	7.40	33.2
1995	-	0.90	2.93	7.30	17.7	53.1	-	0.48	1.21	4.62	7.32	32.7	-	0.48	1.21	4.62	7.32	32.7
2000	-	0.93	2.13	6.58	13.9	46.8	-	0.44	0.95	4.15	7.53	28.5	-	0.44	0.95	4.15	7.53	28.5

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: IRELAND

ALL CANCER mortality rates attributed and not attributed to smoking



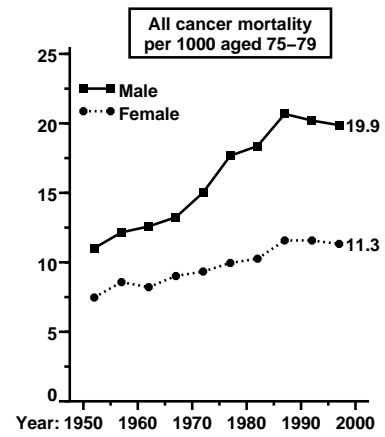
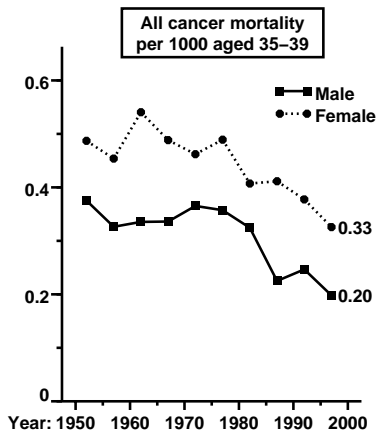
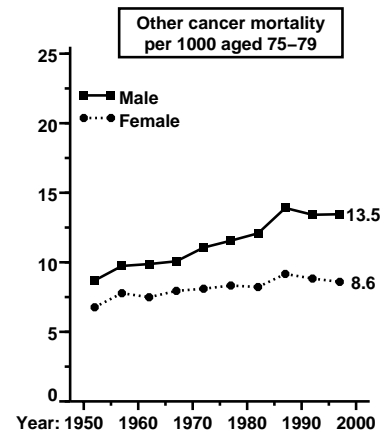
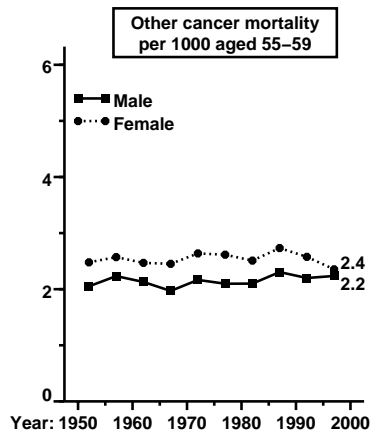
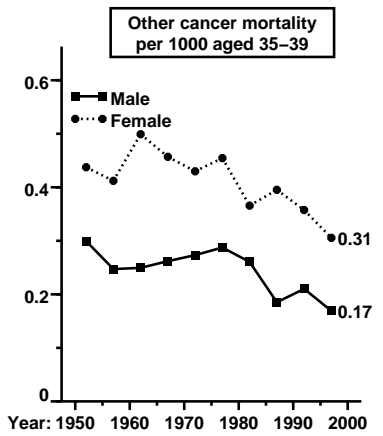
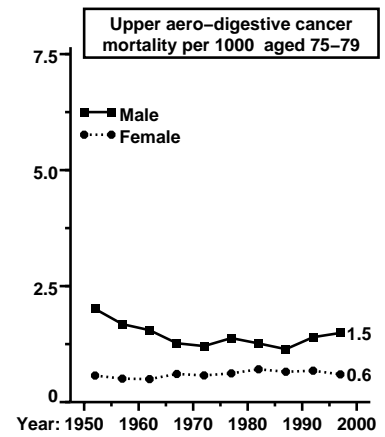
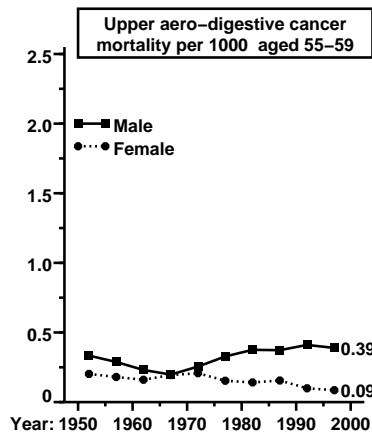
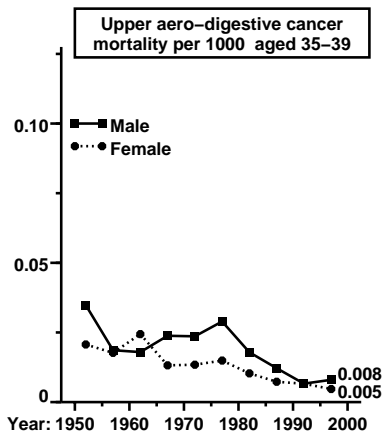
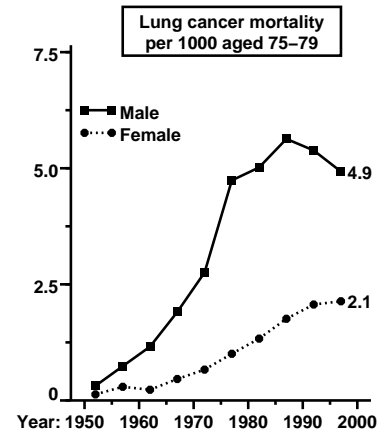
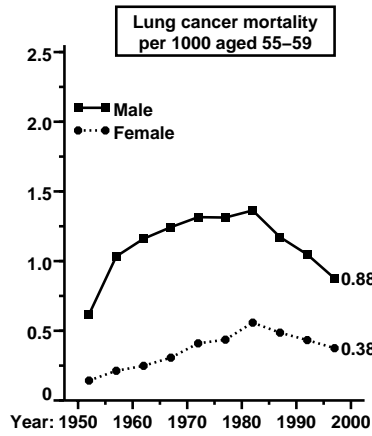
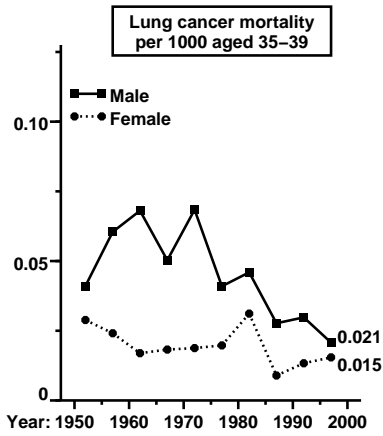
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No				
1950	-	0.09	0.37	2.44	0.05	9.42	-	0.10	0.00	2.53	0.00	6.79				
1955	-	0.12	0.73	2.11	0.60	10.8	-	0.09	0.13	2.36	0.00	7.75				
1960	-	0.11	1.05	1.96	1.06	9.20	-	0.09	0.14	2.49	0.01	7.71				
1965	-	0.12	1.20	1.85	2.25	10.5	-	0.10	0.16	2.26	0.28	7.75				
1970	-	0.11	1.50	1.80	3.00	9.72	-	0.10	0.27	2.45	0.55	8.03				
1975	-	0.11	1.56	1.95	5.02	9.09	-	0.07	0.40	2.50	0.85	8.17				
1980	-	0.08	1.50	1.91	5.83	10.2	-	0.08	0.42	2.34	1.08	7.78				
1985	-	0.08	1.70	1.90	6.77	10.1	-	0.07	0.45	2.24	1.94	7.57				
1990	-	0.06	1.42	1.91	6.75	10.3	-	0.07	0.45	2.18	2.28	7.72				
1995	-	0.05	1.26	1.99	6.66	11.3	-	0.05	0.44	2.15	2.11	7.66				
2000	-	0.06	1.04	1.98	6.08	10.8	-	0.05	0.40	2.10	2.48	7.43				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**IRELAND: 1950-2000**

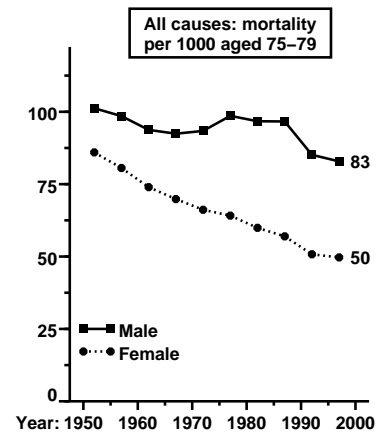
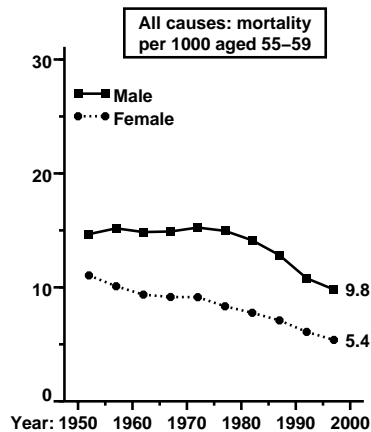
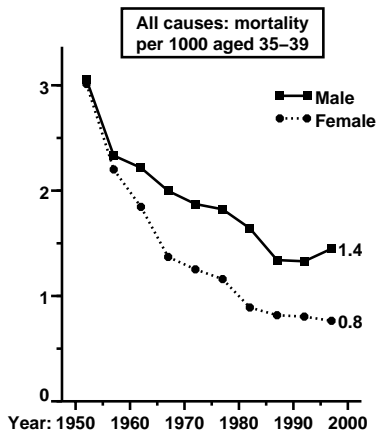
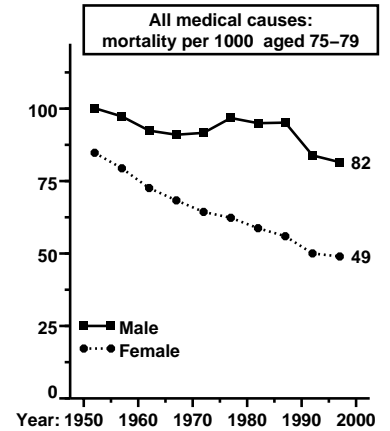
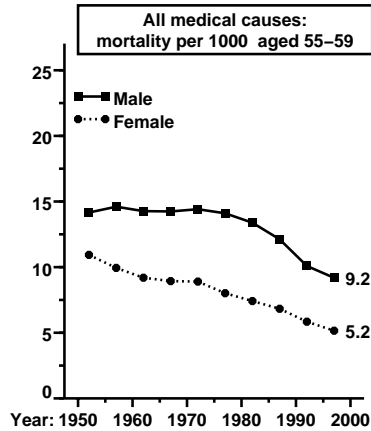
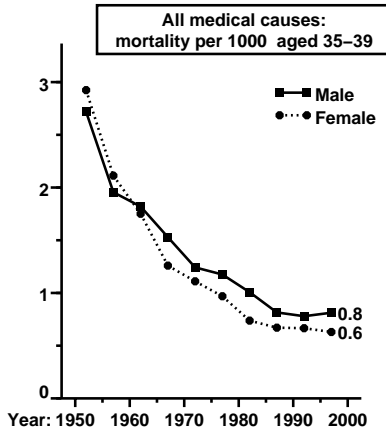
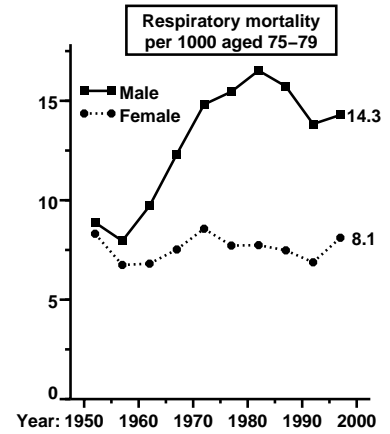
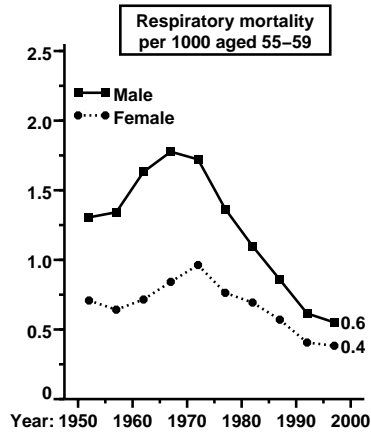
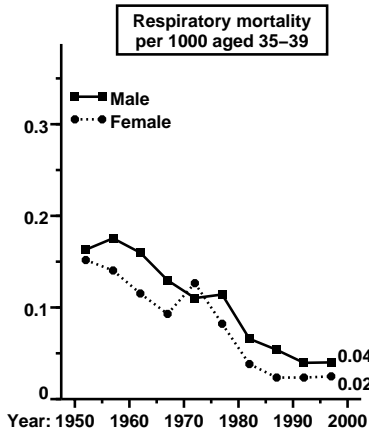
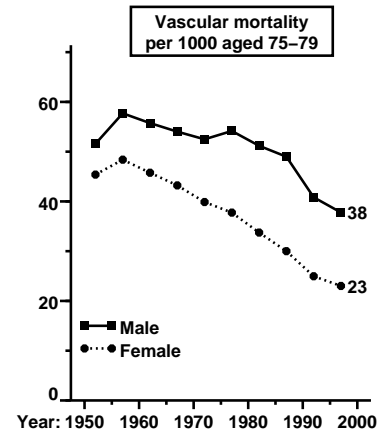
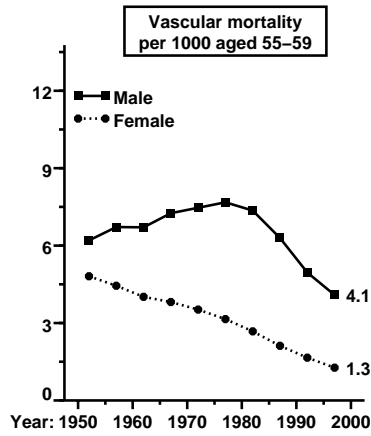
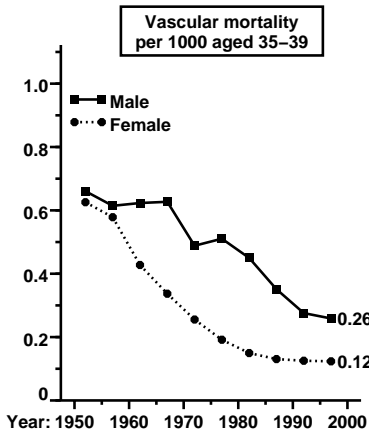
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 236-237

1950-2000: IRELAND

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 236-237

## ITALY: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	280714	9096	80788	765.1	69.8	706.8	111.8	14.1	17.3	59.0	92.3	96.1	97.9
	F	279407	4111	42847	465.4	35.6	341.3	101.9	10.5	12.9	23.2	28.4	31.8	40.2
Tuberculosis	M	302	5	95	0.8	0.0	0.8	-	-	-	0.1	0.1	0.0	0.0
	F	192	6	37	0.3	0.0	0.3	-	-	-	0.1	-	0.1	0.1
HIV	M	775	134	632	2.5	0.8	4.4	0.1	0.1	0.1	-	0.1	0.8	4.6
	F	200	62	137	0.7	0.4	0.9	0.3	0.1	-	0.1	0.1	0.6	1.7
Other infective and parasitic	M	1498	54	650	4.2	0.4	5.6	0.8	0.1	0.1	0.2	0.4	0.5	0.7
	F	1617	47	377	3.0	0.4	3.0	1.2	0.3	0.1	0.3	0.1	0.3	0.6
ALL CANCER	M	88288	891	34763	241.2	6.7	308.4	2.6	5.3	4.3	6.8	7.9	8.4	11.7
	F	65143	766	21953	130.2	5.8	174.2	3.0	3.9	3.2	4.5	4.7	8.0	13.1
Mouth and pharynx cancer	M	2117	18	1299	6.3	0.1	11.2	-	0.1	0.1	-	0.3	0.3	0.1
	F	749	13	288	1.6	0.1	2.3	0.1	-	0.1	0.1	-	0.1	0.3
Oesophagus cancer	M	1564	3	790	4.4	0.0	7.0	-	-	-	-	-	0.0	0.1
	F	456	2	142	0.9	0.0	1.1	-	-	-	-	-	-	0.1
Stomach cancer	M	6492	34	2368	17.6	0.2	21.0	-	-	-	0.1	0.1	0.6	0.7
	F	4786	24	1149	8.6	0.2	9.1	-	-	-	0.1	0.2	0.3	0.5
Colorectal cancer	M	8807	30	3202	23.8	0.2	28.5	-	-	-	0.1	0.3	0.3	0.7
	F	7839	25	2119	14.5	0.2	16.9	-	-	0.1	0.1	0.2	0.4	0.5
Liver cancer	M	3879	10	1821	10.6	0.1	16.3	0.1	-	-	0.1	-	0.1	0.2
	F	1611	5	443	3.0	0.0	3.6	0.1	-	-	-	0.1	0.0	0.1
Pancreas cancer	M	3934	8	1804	10.9	0.0	15.9	-	-	-	-	-	0.1	0.2
	F	4178	7	1197	7.8	0.0	9.6	-	-	-	-	0.1	0.1	0.2
Larynx cancer	M	1737	1	785	4.8	0.0	6.9	-	-	-	-	-	-	0.0
	F	156	1	50	0.3	0.0	0.4	-	-	-	-	-	-	0.0
Lung cancer	M	25503	29	11243	69.7	0.2	100.6	-	-	-	0.1	0.1	0.2	0.9
	F	6031	19	2269	12.4	0.1	18.1	-	0.1	0.1	0.1	0.1	0.2	0.4
Malignant melanoma	M	780	42	422	2.3	0.3	3.5	-	-	-	0.3	0.3	0.5	0.9
	F	659	30	293	1.5	0.2	2.3	0.1	-	-	-	0.3	0.5	0.6
Female breast cancer	F	11354	117	5423	25.6	0.7	42.5	-	-	-	-	0.1	1.2	3.8
Cervix cancer	F	359	9	213	0.9	0.1	1.6	-	-	-	-	-	0.1	0.3
Other uterine cancer	F	2361	6	906	4.8	0.0	7.2	-	-	-	-	0.1	0.1	0.1
Ovarian cancer	F	2877	18	1367	6.4	0.1	10.9	-	-	-	0.1	0.1	0.0	0.6
Prostate cancer	M	6941	5	1017	17.8	0.0	9.4	-	0.1	-	-	0.1	0.1	0.0
Bladder cancer	M	3977	1	1087	10.4	0.0	9.9	-	-	-	-	-	0.0	-
	F	1025	2	156	1.7	0.0	1.3	-	-	-	0.1	-	-	0.0
Other and ill-defined cancer sites	M	15757	374	6267	43.5	2.9	55.1	1.7	2.9	1.9	2.6	3.6	3.4	4.2
	F	14497	245	4044	27.6	2.0	32.3	1.6	2.5	1.7	2.2	1.6	2.2	2.4
Hodgkin's disease	M	200	25	97	0.6	0.2	0.8	-	0.1	-	0.3	0.2	0.4	0.3
	F	167	25	72	0.4	0.2	0.5	-	-	0.1	0.2	0.4	0.4	0.2
Myeloma and non-Hodgkin lymphomas	M	3721	105	1581	10.4	0.8	13.8	0.3	0.3	0.5	0.6	1.1	1.0	1.6
	F	3679	77	1119	7.2	0.6	8.9	0.2	0.1	0.3	0.4	0.6	1.0	1.2
Leukaemia	M	2879	206	980	8.1	1.7	8.5	0.5	1.9	1.9	2.6	1.9	1.2	1.8
	F	2359	141	703	4.9	1.1	5.5	0.9	1.2	0.9	1.2	1.0	1.2	1.7
Diabetes	M	6998	26	1911	18.5	0.2	17.2	0.1	-	0.1	0.2	0.1	0.2	0.6
	F	10650	14	1345	16.8	0.1	11.0	0.2	0.1	0.1	-	0.1	0.1	0.2
ALL VASCULAR DISEASE	M	107433	660	23237	284.8	4.7	205.7	3.4	1.2	1.9	3.3	4.0	7.5	11.6
	F	132997	316	9670	195.6	2.4	78.1	2.7	0.8	1.7	1.3	1.9	3.9	4.6
Rheumatic heart disease and fever	M	501	12	176	1.4	0.1	1.6	-	-	0.1	0.1	0.2	0.2	0.1
	F	1180	11	261	2.1	0.1	2.1	-	-	0.1	0.1	0.1	0.2	0.1
Hypertensive disease	M	7391	7	1292	19.3	0.0	11.6	-	-	-	-	-	0.1	0.2
	F	13650	5	824	19.7	0.0	6.7	0.1	-	0.1	-	-	-	0.1
Ischaemic heart disease	M	38498	90	10840	103.0	0.6	95.8	-	-	0.1	0.3	0.3	1.0	2.4
	F	34988	10	2943	52.2	0.1	23.9	-	0.1	-	-	0.1	0.1	0.2
Pulmonary embolism and other venous	M	927	10	249	2.5	0.1	2.2	-	-	-	-	0.1	0.1	0.3
	F	1609	16	250	2.6	0.1	2.0	0.1	-	-	0.1	0.1	0.3	0.3
Cerebrovascular disease	M	27383	95	4152	71.4	0.7	37.2	0.4	0.5	0.3	0.3	0.4	1.2	1.6
	F	39962	88	2636	58.3	0.6	21.2	0.1	0.1	0.5	0.1	0.6	1.4	1.5
Other vascular disease	M	32733	446	6528	87.1	3.2	57.4	2.9	0.7	1.3	2.6	3.0	5.0	7.0
	F	41608	186	2756	60.7	1.5	22.1	2.5	0.7	1.1	1.0	1.0	1.9	2.4
Chronic obstructive pulmonary disease	M	12361	34	1542	31.7	0.3	14.1	0.2	0.1	0.2	0.3	0.3	0.4	0.4
	F	6637	25	534	9.9	0.2	4.3	0.2	-	0.1	0.1	0.1	0.3	0.5
Other respiratory disease	M	9562	139	1480	25.2	1.1	13.1	2.1	0.2	0.4	0.9	1.0	1.6	1.4
	F	9222	74	765	13.9	0.7	6.1	1.9	0.4	0.2	0.4	0.4	0.5	0.6
Peptic ulcer	M	916	3	220	2.4	0.0	1.9	0.1	-	-	-	0.1	-	0.0
	F	889	2	84	1.3	0.0	0.7	-	-	-	-	-	-	0.1
Liver cirrhosis	M	6695	61	3729	19.2	0.4	32.0	-	0.1	-	-	-	0.4	2.2
	F	4602	31	1608	9.2	0.2	12.9	-	-	-	0.1	0.1	0.4	0.8
Renal disease	M	2510	18	460	6.6	0.1	4.1	0.2	-	-	-	0.1	0.2	0.3
	F	2706	21	375	4.3	0.2	3.0	-	-	0.1	0.1	0.3	0.4	0.2
Pregnancy, birth	F	16	7	9	0.0	0.0	0.1	-	-	-	-	-	0.1	0.2
Congenital and perinatal causes	M	1471	1261	131	7.8	13.0	1.0	85.5	0.8	0.7	1.0	0.9	0.9	0.8
	F	1267	1057	114	6.9	11.6	0.9	76.4	0.4	1.3	1.0	0.6	0.5	0.6
Ill-defined causes	M	3370	511	1009	9.9	3.7	8.1	4.3	0.3	0.4	2.6	4.7	7.0	6.6
	F	3849	141	314	6.1	1.2	2.4	3.5	0.1	0.4	0.4	1.2	1.3	1.4
Other medical causes	M	22747	988	5056	61.3	7.3	43.6	8.3	2.4	2.5	5.1	7.9	11.6	13.4
	F	29108	473	3710	47.2	3.9	29.6	7.5	2.1	2.7	2.3	2.6	4.3	5.9
ALL NON-MEDICAL CAUSES	M	15788	4311	5873	48.7	31.1	46.6	4.0	3.6	6.7	38.7	64.8	56.7	43.3
	F	10312	1069	1815	19.9	8.5	13.9	4.9	2.2	2.8	12.6	16.2	10.9	9.6
Road traffic accidents	M	5589	2538	2084	18.4	18.5	16.3	1.7	1.5	3.5	27.4	41.3	32.5	21.8
	F	1752	642	629	5.2	5.1	4.8	2.0	1.3	1.5	8.9	11.8	5.9	4.6
Fire	M	189	28	74	0.6	0.2	0.6	0.1	-	-	0.1	0.5	0.4	0.3
	F	140	12	43	0.3	0.1	0.3	0.3	0.1	-	-	0.1	0.0	0.2
Suicide	M	3062	698	1561	9.5	4.8	12.3	-	-	0.6	3.7	9.3	9.8	10.0
	F	1046	177	560	2.9	1.3	4.2	-	-	0.1	1.7	1.5	2.5	3.0
Homicide	M	450	196	223	1.5	1.4	1.7	0.1	0.3	-	1.1	2.6	3.0	2.4
	F	149	50	72	0.5	0.4	0.5	0.2	0.1	0.1	0.2	0.8	0.7	0.5
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
					28004	12271	12848	1364	1428	1442	1560	1851	2254	2371
					29710	11798	13410	1284	1352	1374	1494			



## 2000: ITALY

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
129.7	171.2	269.5	441.7	742.1	1187.5	2005.7	3322.2	5442.8	13312.7	M	ALL CAUSES	001-999/A00-Y89
60.0	97.0	147.3	236.9	362.9	555.9	929.2	1630.6	3029.2	10643.1	F		
0.3	0.3	0.1	0.5	0.6	1.7	2.3	3.8	8.9	9.9	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.0	0.1	0.3	0.1	0.4	0.2	0.9	1.5	3.3	5.2	F		
11.2	8.9	4.4	2.4	2.1	1.0	0.9	0.7	-	-	M	HIV	279.5, 279.6/B20-B24
2.8	2.1	0.7	0.4	-	0.1	0.4	0.1	-	-	F		
2.0	2.7	2.4	3.9	5.8	7.5	14.7	19.0	26.8	42.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.7	0.6	0.8	1.9	3.1	5.4	8.5	14.6	23.1	41.6	F		
21.1	43.9	90.4	183.8	350.2	565.0	904.2	1334.7	1826.6	2608.8	M	ALL CANCER	140-208/C00-C97
25.6	53.0	84.8	140.3	207.2	296.3	412.6	593.2	835.3	1391.8	F		
0.9	2.7	6.5	10.6	16.4	17.0	24.1	24.4	25.1	36.2	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	1.2	1.1	2.7	2.3	3.4	4.7	5.6	7.9	16.1	F		
0.2	0.9	2.2	5.4	8.3	13.6	18.1	24.5	26.8	30.2	M	Oesophagus cancer	150/C15
0.0	0.2	0.2	0.6	1.2	2.5	3.3	3.5	5.5	11.7	F		
1.3	3.6	6.3	11.6	22.8	39.1	62.4	97.4	137.0	218.8	M	Stomach cancer	151/C16
1.9	2.9	3.7	6.4	8.6	15.6	24.7	41.3	63.4	134.7	F		
1.5	3.7	8.0	16.4	32.4	53.7	83.5	123.0	190.2	309.8	M	Colorectal cancer	153, 154/C18-C21
2.0	3.7	7.1	13.2	20.0	28.7	43.6	65.4	106.6	206.3	F		
0.4	1.5	3.9	8.9	16.5	32.3	50.7	65.8	82.7	65.3	M	Liver cancer	155.0/C22 excl C221
0.1	0.4	0.9	1.0	3.5	6.5	12.9	22.2	26.5	28.9	F		
0.9	2.6	4.6	9.9	21.1	29.5	43.0	58.1	75.8	95.7	M	Pancreas cancer	157/C25
0.7	1.0	2.7	5.3	11.4	19.2	27.2	42.1	62.6	93.5	F		
0.4	1.0	2.3	4.7	8.8	12.8	18.3	25.0	33.9	44.6	M	Larynx cancer	161/C32
0.0	0.1	0.2	0.7	0.5	0.4	0.9	2.0	2.1	2.8	F		
2.7	8.6	24.3	57.0	118.4	185.7	307.2	451.2	528.4	518.7	M	Lung cancer	162/C33, C34
1.1	4.7	9.1	13.2	24.1	30.3	44.4	64.2	83.8	101.8	F		
1.1	1.8	2.4	3.9	4.5	5.2	5.7	7.5	11.8	15.6	M	Malignant melanoma	172/C43
1.0	1.9	1.6	2.3	2.7	2.9	3.4	5.1	6.8	10.5	F		
7.5	18.0	27.6	43.0	55.0	71.0	75.7	93.7	114.3	178.2	F	Female breast cancer	174/C50
0.7	1.3	1.3	2.0	1.6	2.0	2.4	2.3	3.2	3.6	F	Cervix cancer	180/C53
1.2	2.2	3.4	5.6	7.7	12.3	17.9	22.2	29.7	44.5	F	Other uterine cancer	179, 182/C54, C55
0.8	2.6	6.0	10.5	15.7	17.6	22.9	27.9	33.2	38.5	F	Ovarian cancer	183/C56, C570-C574
0.2	0.2	0.5	1.7	5.6	17.9	40.0	81.7	167.6	448.7	M	Prostate cancer	185/C61
0.2	0.9	1.0	3.3	8.7	19.3	35.9	60.6	96.7	167.8	M	Bladder cancer	188/C67
-	0.2	0.3	0.6	0.9	2.5	4.4	8.8	13.2	35.3	F		
6.1	10.3	19.8	35.8	60.5	98.7	154.6	224.5	318.4	460.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.8	7.7	12.6	22.7	37.2	55.6	85.3	127.1	190.6	360.0	F		
0.4	0.3	0.9	0.4	1.2	0.9	1.5	2.0	3.5	2.8	M	Hodgkin's disease	201/C81
0.5	0.5	0.4	0.3	0.5	0.7	0.8	1.4	1.8	1.5	F		
2.7	2.9	4.4	8.9	16.4	24.7	36.5	52.1	72.6	97.6	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.2	2.0	3.7	6.1	8.7	15.3	25.7	38.2	55.3	72.2	F	Leukaemia	204-208/C91-C95
2.1	2.7	3.3	5.3	8.9	14.6	22.5	36.8	56.1	97.0	M		
1.4	2.4	2.9	4.1	5.7	9.8	12.5	20.1	28.8	51.8	F		
0.6	1.8	3.7	8.9	17.9	30.0	57.4	96.5	162.2	318.1	M	Diabetes	250/E10-E14
0.3	1.3	1.3	3.9	9.1	18.1	42.9	80.7	149.6	384.4	F		
17.9	39.1	75.7	125.6	209.1	341.1	631.5	1168.5	2117.6	6605.0	M	ALL VASCULAR DISEASE	390-459/I00-199
8.3	14.4	22.8	39.8	69.7	125.2	266.3	587.9	1330.4	6153.3	F		
0.2	0.3	0.4	0.7	2.0	2.9	4.4	8.0	9.8	16.8	M	Rheumatic heart disease and fever	390-398/I00-109
0.1	0.3	0.5	1.3	2.7	3.5	6.3	10.8	20.4	29.5	F		
0.3	1.5	3.5	6.9	10.8	18.8	39.2	77.8	150.1	498.7	M	Hypertensive disease	401-405/I10-I15
0.3	0.6	1.4	3.6	6.3	10.8	23.9	57.6	135.9	647.5	F		
6.2	16.2	37.2	61.7	104.2	164.2	281.0	483.4	788.4	1915.2	M	Ischaemic heart disease	410-414/I20-I25
1.2	2.7	5.2	9.6	22.4	40.6	85.8	193.6	397.3	1516.3	F		
0.4	0.9	0.8	1.5	1.8	3.5	6.1	11.1	20.5	45.8	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.5	0.4	0.8	1.2	1.5	3.5	6.2	10.0	21.2	57.7	F		
3.0	6.2	10.9	19.4	32.4	59.6	128.9	270.4	567.1	1938.1	M	Cerebrovascular disease	430-438/I60-I69
2.8	5.4	7.7	12.2	17.3	31.4	71.5	162.6	410.8	1871.2	F		
7.9	13.9	22.9	35.3	57.9	92.1	172.0	317.9	581.7	2190.4	M	Other vascular disease	Rest of 390-459/ rest of I00-199
3.5	4.9	7.2	11.9	19.5	35.4	72.7	153.4	344.9	2031.0	F		
0.6	1.2	1.9	4.6	10.1	23.7	56.9	134.6	304.5	841.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.1	0.4	0.9	2.6	3.5	7.2	15.6	34.2	72.4	292.9	F		
2.7	3.3	4.8	6.9	11.8	18.9	43.2	93.8	188.2	671.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.3	1.9	2.5	3.9	5.5	9.3	18.3	35.0	76.9	436.7	F		
0.2	0.5	1.0	1.5	2.0	3.3	4.9	10.1	18.7	52.8	M	Peptic ulcer	531-533/K25-K27
0.0	0.1	0.2	0.5	0.3	1.1	2.4	4.3	9.7	38.8	F		
7.0	10.2	17.2	24.0	36.0	53.7	76.0	90.7	101.2	116.1	M	Liver cirrhosis	571/K70, K74
2.1	2.7	5.3	7.8	14.1	21.4	36.8	52.4	70.6	75.2	F		
0.4	0.8	1.3	2.7	3.5	6.4	13.5	28.5	55.2	156.1	M	Renal disease	580-590/N00-N19
0.3	0.4	0.8	1.7	2.9	4.8	10.4	17.2	32.1	103.0	F		
0.3	0.1	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.7	0.5	1.4	1.2	1.5	1.0	0.8	2.1	3.0	3.4	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.5	0.8	0.7	0.8	1.1	0.9	1.4	0.8	2.3	3.3	F	Ill-defined causes	780-799/R00-R99
7.9	5.6	6.3	5.8	7.4	9.9	13.9	17.6	30.0	179.8	M		
1.8	1.1	1.4	1.7	2.8	3.3	5.0	9.1	16.9	194.5	F		
15.6	15.5	18.1	25.8	38.7	68.4	123.4	229.1	461.1	1282.9	M	Other medical causes	Rest of 001-799/ rest of A00-R99
6.1	8.0	13.8	18.8	29.7	46.8	83.6	161.1	328.7	1151.8	F		
41.5	36.7	40.9	44.1	45.4	55.8	62.2	92.4	138.7	424.6	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
10.0	9.9	11.0	12.7	13.3	16.0	24.0	38.6	77.9	370.5	F		
17.2	14.0	14.7	15.9	15.4	18.0	19.1	23.9	36.8	45.0	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
3.9	4.1	4.0	4.5	4.8	4.6	7.5	9.3	11.1	11.7	F		
0.6	0.3	0.4	0.6	0.6	0.8	0.8	1.2	2.6	6.3	M	Fire	E890-E899/X00-X09
0.4	0.3	0.1	0.2	0.5	0.4	0.5	1.1	1.2	3.4	F		
10.4	10.6	11.5	12.8	11.9	14.1	15.1	20.2	24.0	44.7	M	Suicide	E950-E959/X60-X84
3.3	3.5	4.0	4.7	4.1	5.0	5.1	5.8	8.1	6.8	F		
2.4	1.8	2.6	1.7	1.2	1.2	0.8	0.8	1.1	1.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.1	0.5	0.5	0.3	0.3	0.4	0.5	0.4	0.9	0.6	F		
2295	2012	1870	1937	1635	1653	1447	1220	908	758	M	POPULATION	
2285	2020	1897	1985	1721	1810	1691	1576	1375	1551	F	(1000s; UN, 2004 revision)	

<b>ITALY: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	13112	994	40	25	929	54	191	814	114	5877	5068
35-69 Sm.	32122	18479	12489	2375	3615	1532	413	8133	-	3565	-
35-69 Total	93584 (34%)	38964 (47%)	13431 (93%)	3613 (66%)	21920 (16%)	1935 (79%)	1449 (29%)	28095 (29%)	4744	11895 (30%)	6502
70+ Sm.	38929	17014	11222	1488	4304	7893	777	10179	-	3066	-
70+ Total	179700 (22%)	46511 (37%)	12270 (91%)	2431 (61%)	31810 (14%)	10693 (74%)	6465 (12%)	82644 (12%)	3249	24665 (12%)	5473
Any age Sm.	71051	35493	23711	3863	7919	9425	1190	18312	-	6631	-
Any age Total	286396 (25%)	86469 (41%)	25741 (92%)	6069 (64%)	54659 (14%)	12682 (74%)	8105 (15%)	111553 (16%)	8107	42437 (16%)	17043
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	9096	891	29	22	840	34	139	660	61	3000	4311
35-69 Sm.	24647	14810	10269	1737	2804	1156	365	5738	-	2578	-
35-69 Total	80788 (31%)	34763 (43%)	11243 (91%)	2874 (60%)	20646 (14%)	1542 (75%)	1480 (25%)	23237 (25%)	3729	10164 (25%)	5873
70+ Sm.	41622	19332	12993	1533	4806	7967	937	10058	-	3328	-
70+ Total	190830 (22%)	52634 (37%)	14231 (91%)	2522 (61%)	35881 (13%)	10785 (74%)	7943 (12%)	83536 (12%)	2905	27423 (12%)	5604
Any age Sm.	66269	34142	23262	3270	7610	9123	1302	15796	-	5906	-
Any age Total	280714 (24%)	88288 (39%)	25503 (91%)	5418 (60%)	57367 (13%)	12361 (74%)	9562 (14%)	107433 (15%)	6695	40587 (15%)	15788

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	27805	13119	12182	2007	1871	1954	1668	1722	1562	1399	1137	574	792
2000	28004	12271	12848	2295	2012	1870	1937	1635	1653	1447	1220	908	758
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	286396	13112	93584	3609	3833	6029	8532	14804	22846	33931	43427	35111	101162
2000	280714	9096	80788	2978	3444	5040	8556	12132	19625	29013	40518	49415	100897
<b>Lung cancer</b>													
1995	25741	40	13431	67	210	637	1207	2261	3707	5342	5446	2975	3849
2000	25503	29	11243	63	173	454	1105	1935	3069	4444	5503	4797	3931
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	846.2*	94.5*	850.4*	179.9	204.8	308.6	511.5	859.8	1462.4	2425.9	3820.1	6114.8	12768.1
2000	765.1*	69.8*	706.8*	129.7	171.2	269.5	441.7	742.1	1187.5	2005.7	3322.2	5442.8	13312.7
<b>All cancer</b>													
1995	259.8*	7.2*	357.8*	25.3	51.6	108.8	218.3	390.4	663.6	1046.3	1442.6	1861.4	2451.5
2000	241.2*	6.7*	308.4*	21.1	43.9	90.4	183.8	350.2	565.0	904.2	1334.7	1826.6	2608.8
<b>Lung cancer</b>													
1995	78.0*	0.3*	124.3*	3.3	11.2	32.6	72.4	131.3	237.3	381.9	479.1	518.1	485.8
2000	69.7*	0.2*	100.6*	2.7	8.6	24.3	57.0	118.4	185.7	307.2	451.2	528.4	518.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	18.8*	0.2*	32.6*	2.1	6.5	14.2	24.9	41.5	60.1	78.9	86.8	93.0	114.9
2000	15.5*	0.2*	25.0*	1.4	4.6	11.1	20.7	33.5	43.4	60.6	74.0	85.8	111.0
<b>Other cancer</b>													
1995	163.0*	6.7*	200.9*	19.8	33.9	62.0	121.1	217.6	366.2	585.5	876.8	1250.3	1850.8
2000	156.0*	6.4*	182.8*	16.9	30.8	55.1	106.1	198.4	335.9	536.4	809.5	1212.5	1979.2
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	35.4*	0.4*	18.5*	0.5	1.4	1.6	5.6	12.3	28.7	79.5	178.0	356.8	835.7
2000	31.7*	0.3*	14.1*	0.6	1.2	1.9	4.6	10.1	23.7	56.9	134.6	304.5	841.5
<b>Other respiratory disease</b>													
1995	22.9*	1.5*	13.5*	1.9	2.8	3.4	5.8	10.3	22.5	47.7	95.4	189.8	541.5
2000	25.2*	1.1*	13.1*	2.7	3.3	4.8	6.9	11.8	18.9	43.2	93.8	188.2	671.6
<b>Vascular disease</b>													
1995	318.2*	5.7*	258.9*	24.1	43.9	84.7	137.3	249.3	455.7	817.4	1427.7	2564.4	6523.9
2000	284.8*	4.7*	205.7*	17.9	39.1	75.7	125.6	209.1	341.1	631.5	1168.5	2117.6	6605.0
<b>Liver cirrhosis</b>													
1995	25.3*	0.7*	42.2*	8.7	12.6	20.8	33.3	51.8	75.0	93.5	115.5	134.1	147.2
2000	19.2*	0.4*	32.0*	7.0	10.2	17.2	24.0	36.0	53.7	76.0	90.7	101.2	116.1
<b>Other medical causes</b>													
1995	130.3*	44.9*	104.8*	74.6	46.3	44.9	61.3	91.0	152.7	263.2	450.7	827.2	1866.8
2000	114.2*	25.6*	86.8*	39.0	36.8	38.6	52.7	79.4	129.2	231.7	407.5	765.8	2045.1
<b>All non-medical causes</b>													
1995	54.4*	34.2*	54.6*	44.8	46.2	44.3	49.9	54.8	64.3	78.2	110.1	180.9	401.6
2000	48.7*	31.1*	46.6*	41.5	36.7	40.9	44.1	45.4	55.8	62.2	92.4	138.7	424.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: ITALY

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5569	856	34	19	803	23	120	466	41	2859	1204
35-69	Sm.	2822	1308	1059	84	165	223	36	787	-	468	-
	Total	48171	23132	2179	434	20519	611	572	12212	2074	7405	2165
		(6%)	(6%)	(49%)	(19%)	(1%)	(36%)	(6%)	(6%)		(6%)	
70+	Sm.	8629	2147	1621	175	351	2290	154	3035	-	1003	-
	Total	216554	37519	2955	736	33828	5579	6165	118877	3128	37644	7642
		(4%)	(6%)	(55%)	(24%)	(1%)	(41%)	(2%)	(3%)		(3%)	
Any age	Sm.	11451	3455	2680	259	516	2513	190	3822	-	1471	-
	Total	270294	61507	5168	1189	55150	6213	6857	131555	5243	47908	11011
		(4%)	(6%)	(52%)	(22%)	(1%)	(40%)	(3%)	(3%)		(3%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4111	766	19	16	731	25	74	316	31	1830	1069
35-69	Sm.	2707	1406	1138	101	167	193	50	629	-	429	-
	Total	42847	21953	2269	480	19204	534	765	9670	1608	6502	1815
		(6%)	(6%)	(50%)	(21%)	(1%)	(36%)	(7%)	(7%)		(7%)	
70+	Sm.	10560	2856	2177	230	449	2707	237	3515	-	1245	-
	Total	232449	42424	3743	865	37816	6078	8383	123011	2963	42162	7428
		(5%)	(7%)	(58%)	(27%)	(1%)	(45%)	(3%)	(3%)		(3%)	
Any age	Sm.	13267	4262	3315	331	616	2900	287	4144	-	1674	-
	Total	279407	65143	6031	1361	57751	6637	9222	132997	4602	50494	10312
		(5%)	(7%)	(55%)	(24%)	(1%)	(44%)	(3%)	(3%)		(3%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	29497	12688	12857	2007	1889	1986	1730	1835	1741	1669	1538	878	1537
2000	29710	11798	13410	2285	2020	1897	1985	1721	1810	1691	1576	1375	1551
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	270294	5569	48171	1520	2028	3420	4621	7298	11105	18179	28985	30703	156866
2000	279407	4111	42847	1372	1959	2795	4703	6247	10060	15711	25695	41648	165106
<b>Lung cancer</b>													
1995	5168	34	2179	48	73	178	208	339	519	814	932	678	1345
2000	6031	19	2269	26	95	173	263	414	548	750	1012	1152	1579
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	496.8*	44.8*	392.5*	75.7	107.3	172.2	267.1	397.8	637.9	1089.4	1885.1	3496.9	10208.0
2000	465.4*	35.6*	341.3*	60.0	97.0	147.3	236.9	362.9	555.9	929.2	1630.6	3029.2	10643.1
<b>All cancer</b>													
1995	135.3*	6.1*	187.6*	31.3	54.9	99.1	152.7	215.5	308.7	451.2	616.0	846.9	1341.3
2000	130.2*	5.8*	174.2*	25.6	53.0	84.8	140.3	207.2	296.3	412.6	593.2	835.3	1391.8
<b>Lung cancer</b>													
1995	11.7*	0.2*	17.8*	2.4	3.9	9.0	12.0	18.5	29.8	48.8	60.6	77.2	87.5
2000	12.4*	0.1*	18.1*	1.1	4.7	9.1	13.2	24.1	30.3	44.4	64.2	83.8	101.8
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.6*	0.1*	3.5*	0.3	0.6	1.7	3.6	4.5	5.7	8.2	11.7	13.4	28.5
2000	2.7*	0.1*	3.8*	0.6	1.5	1.4	3.9	4.0	6.2	8.9	11.2	15.5	30.7
<b>Other cancer</b>													
1995	121.1*	5.7*	166.3*	28.5	50.4	88.4	137.1	192.6	273.2	394.2	543.7	756.3	1225.2
2000	115.0*	5.5*	152.3*	23.9	46.7	74.3	123.1	179.2	259.8	359.4	517.8	736.1	1259.3
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	10.3*	0.2*	5.1*	0.6	0.5	1.4	2.4	3.4	8.3	18.8	39.9	93.1	270.0
2000	9.9*	0.2*	4.3*	0.1	0.4	0.9	2.6	3.5	7.2	15.6	34.2	72.4	292.9
<b>Other respiratory disease</b>													
1995	11.2*	1.0*	4.7*	1.3	1.4	1.8	2.2	3.7	8.0	14.4	32.2	71.5	328.1
2000	13.9*	0.7*	6.1*	1.3	1.9	2.5	3.9	5.5	9.3	18.3	35.0	76.9	436.7
<b>Vascular disease</b>													
1995	213.1*	3.6*	100.7*	8.9	16.3	30.3	50.8	82.8	165.1	350.7	750.8	1672.4	6029.1
2000	195.6*	2.4*	78.1*	8.3	14.4	22.8	39.8	69.7	125.2	266.3	587.9	1330.4	6153.3
<b>Liver cirrhosis</b>													
1995	11.7*	0.3*	16.9*	2.2	4.0	6.0	10.4	20.2	30.1	45.6	65.3	86.4	88.8
2000	9.2*	0.2*	12.9*	2.1	2.7	5.3	7.8	14.1	21.4	36.8	52.4	70.6	75.2
<b>Other medical causes</b>													
1995	92.8*	25.0*	60.3*	20.9	18.5	22.2	32.3	54.6	97.2	176.4	334.7	624.5	1757.9
2000	86.7*	17.9*	51.9*	12.8	14.7	20.0	29.8	49.6	80.6	155.6	289.2	565.8	1922.6
<b>All non-medical causes</b>													
1995	22.5*	8.7*	17.2*	10.6	11.7	11.6	16.4	17.6	20.4	32.4	46.2	102.1	392.8
2000	19.9*	8.5*	13.9*	10.0	9.9	11.0	12.7	13.3	16.0	24.0	38.6	77.9	370.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## ITALY: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 9.1	– / 4.1	–
35–69	25 / 81	2.7 / 43	22 years
70+	42 / 191	11 / 232	8 years
All ages	66 / 281	13 / 279	13 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

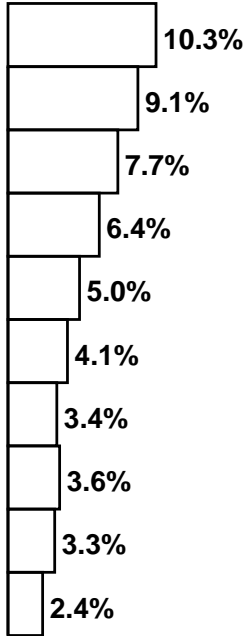
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	10/11	13/14	23/26	–/0.0	1.1/2.3	2.2/3.7	3.3/6.0
All Cancer	–/0.9	15/35 (43%)	19/53 (37%)	34/88	–/0.8	1.4/22 (6%)	2.9/42 (7%)	4.3/65
Vascular	–/0.7	5.7/23	10/84	16/107	–/0.3	0.6/9.7	3.5/123	4.1/133
Respiratory	–/0.2	1.5/3.0	8.9/19	10/22	–/0.1	0.2/1.3	2.9/14	3.2/16
All Other	–/7.4	2.6/20	3.3/36	5.9/63	–/2.9	0.4/9.9	1.2/53	1.7/65
All Causes	–/9.1	25/81 (31%)	42/191 (22%)	66/281	–/4.1	2.7/43 (6%)	11/232 (5%)	13/279

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	34 / 88 (39%)	4.3 / 65 (7%)	38 / 153 (25%)
All Causes	66 / 281 (24%)	13 / 279 (5%)	80 / 560 (14%)

1955-2000: ITALY

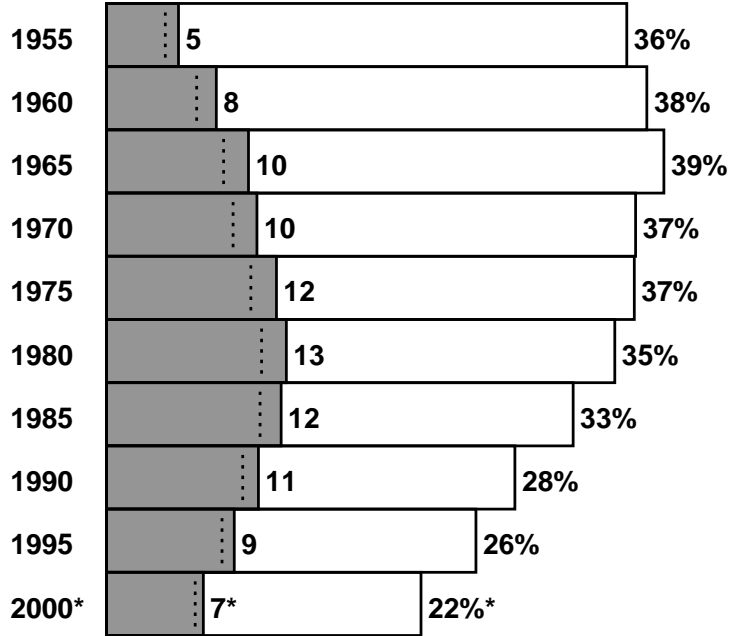
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

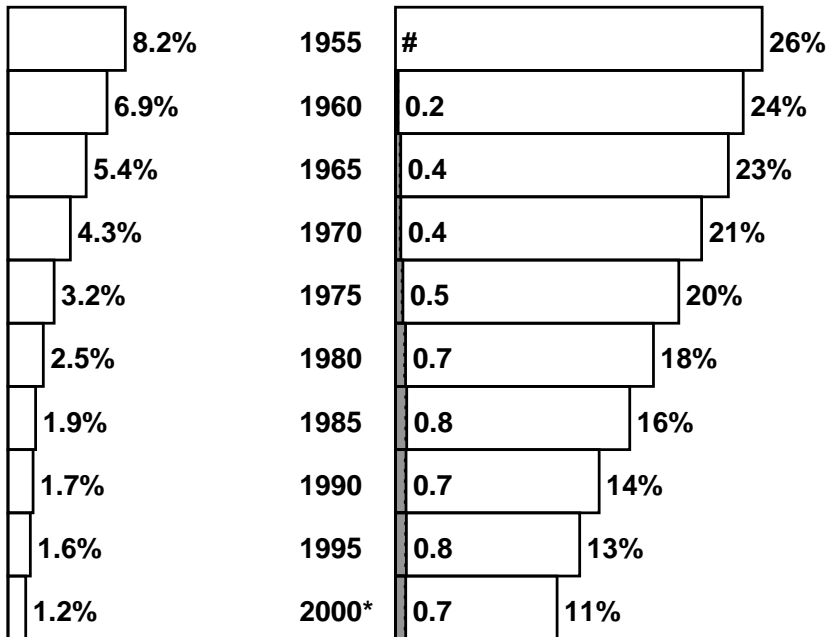
\*eg, at year 2000 male death rates, out of 100 men aged 35, 22 would die before age 70 (with 7 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

## ITALY: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/45	14/88 <b>(15%)</b>	1.1/102 <b>( 1%)</b>	15/234	-/34	0.0/67	0.0/112	0.0/212
1960	-/40	22/99 <b>(22%)</b>	3.1/116 <b>( 3%)</b>	25/255	-/29	0.6/68 <b>(0.8%)</b>	0.1/129 <b>(0.1%)</b>	0.7/226
1965	-/35	30/113 <b>(26%)</b>	7.5/128 <b>( 6%)</b>	37/275	-/24	1.1/70 <b>( 2%)</b>	0.3/148 <b>(0.2%)</b>	1.4/243
1970	-/29	33/115 <b>(29%)</b>	14/133 <b>(10%)</b>	47/277	-/19	1.2/68 <b>( 2%)</b>	0.7/157 <b>(0.4%)</b>	1.9/244
1975	-/22	39/121 <b>(32%)</b>	23/152 <b>(15%)</b>	62/295	-/13	1.7/66 <b>( 3%)</b>	3.1/180 <b>( 2%)</b>	4.8/259
1980	-/17	41/115 <b>(36%)</b>	30/162 <b>(18%)</b>	71/294	-/9.5	2.3/60 <b>( 4%)</b>	3.5/190 <b>( 2%)</b>	5.7/260
1985	-/13	39/103 <b>(38%)</b>	36/171 <b>(21%)</b>	75/287	-/6.8	2.5/53 <b>( 5%)</b>	6.6/201 <b>( 3%)</b>	9.1/261
1990	-/14	38/102 <b>(37%)</b>	35/166 <b>(21%)</b>	72/282	-/6.0	2.7/53 <b>( 5%)</b>	7.5/203 <b>( 4%)</b>	10/262
1995	-/13	32/94 <b>(34%)</b>	39/180 <b>(22%)</b>	71/286	-/5.6	2.8/48 <b>( 6%)</b>	8.6/217 <b>( 4%)</b>	11/270
2000	-/9.1	25/81 <b>(31%)</b>	42/191 <b>(22%)</b>	66/281	-/4.1	2.7/43 <b>( 6%)</b>	11/232 <b>( 5%)</b>	13/279

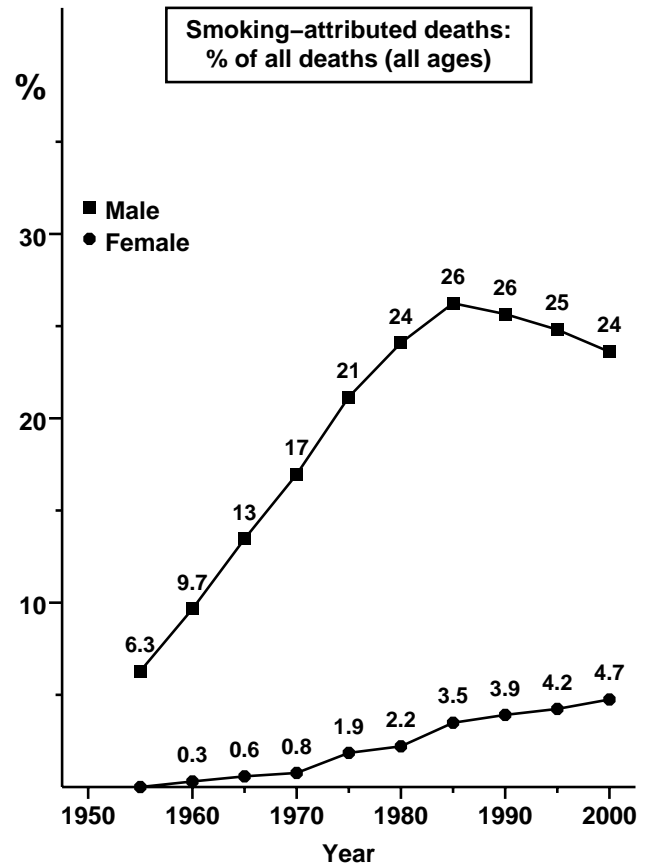
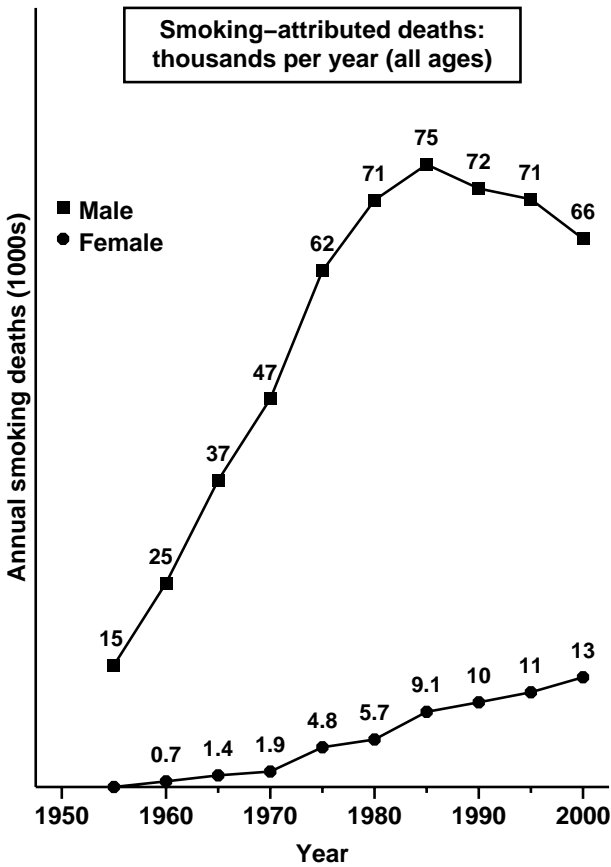
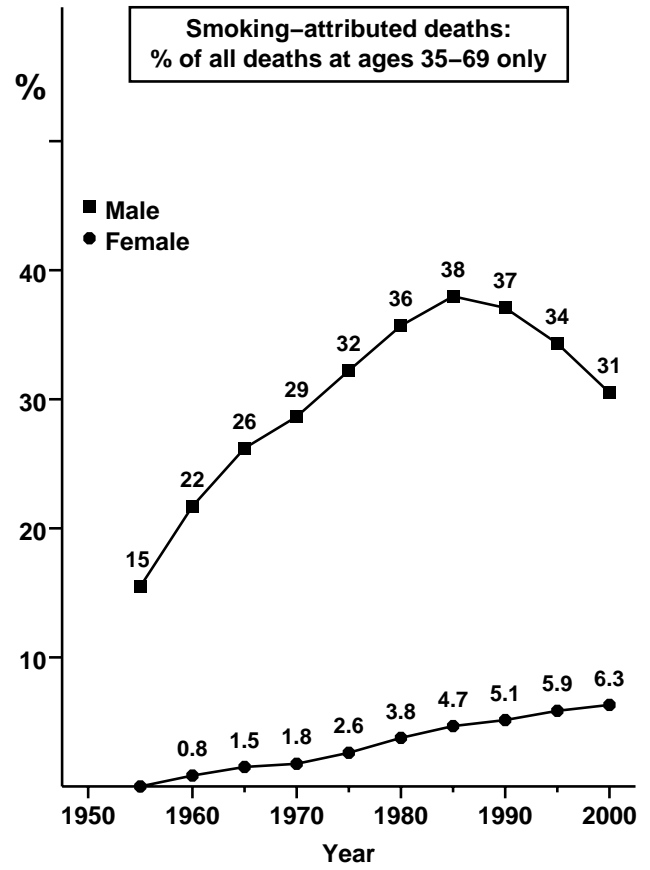
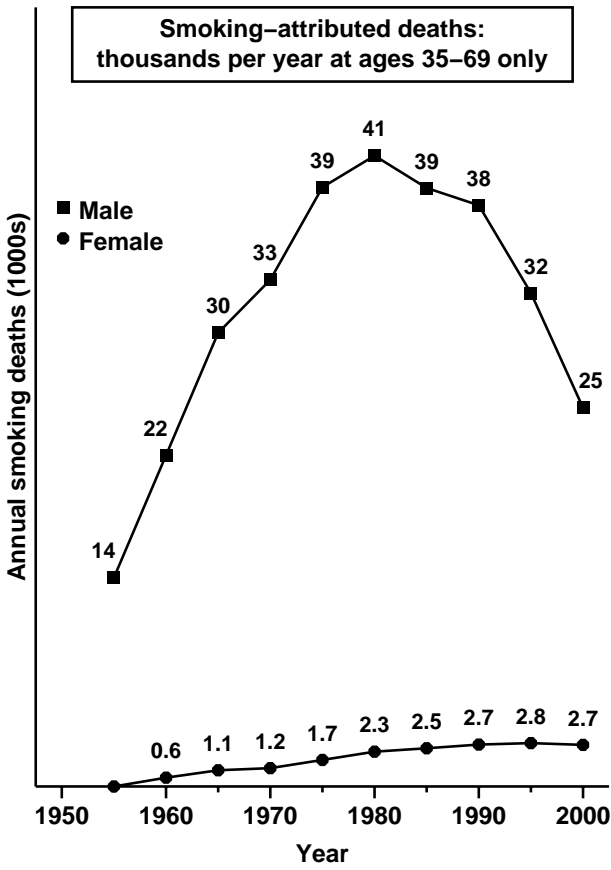
50-year total\* (M=millions), mid-1950 to mid-2000: **2.9/ 26M**

1950-2000 by age & sex:

-/1.3M	1.5/5.2M	1.1/7.3M	2.6/14M	-/0.8M	0.1/3.0M	0.2/8.6M	0.3/12M
	<b>(30%)</b>	<b>(15%)</b>			<b>( 3%)</b>	<b>( 2%)</b>	

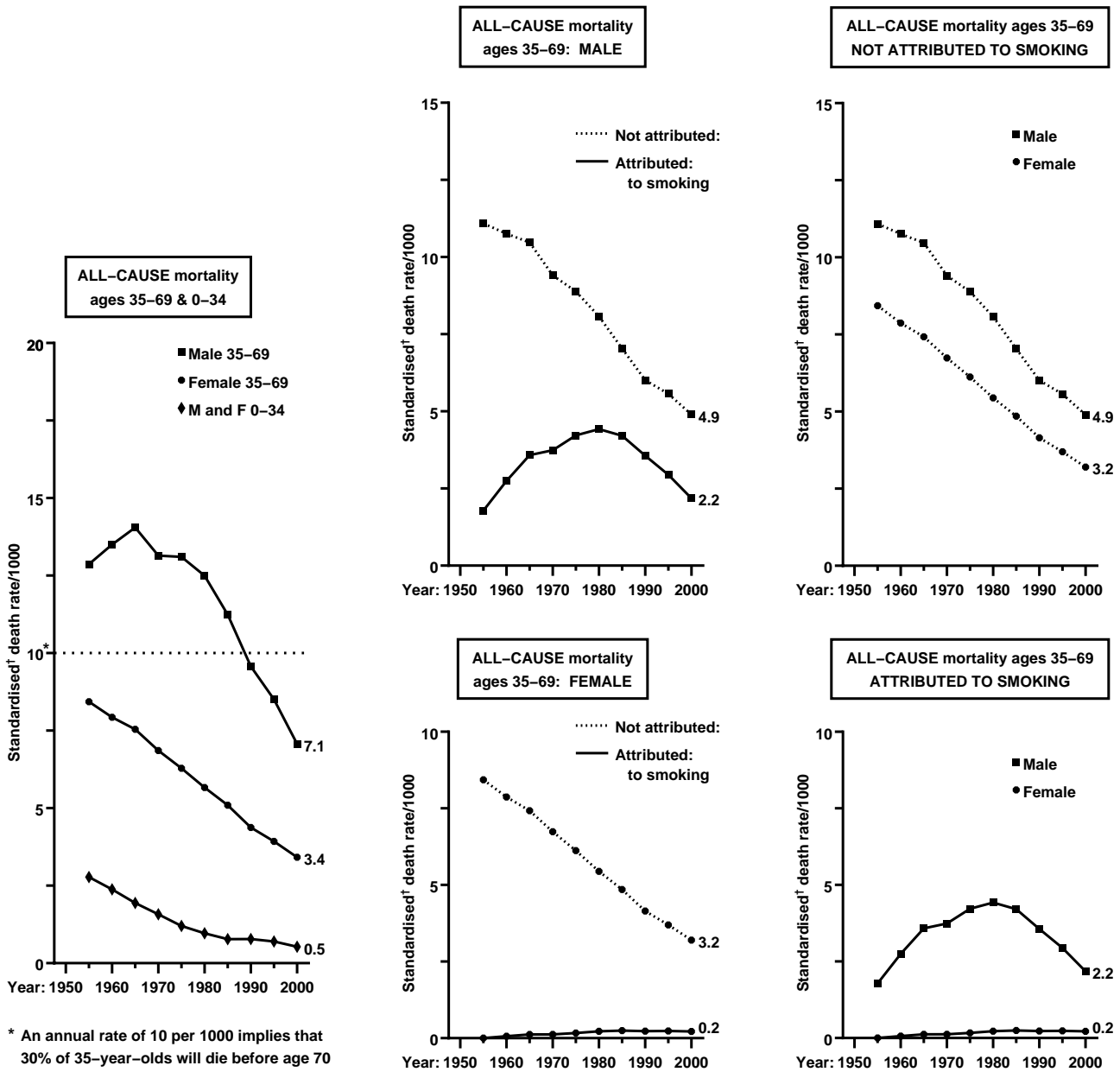
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: ITALY



ITALY: 1955-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

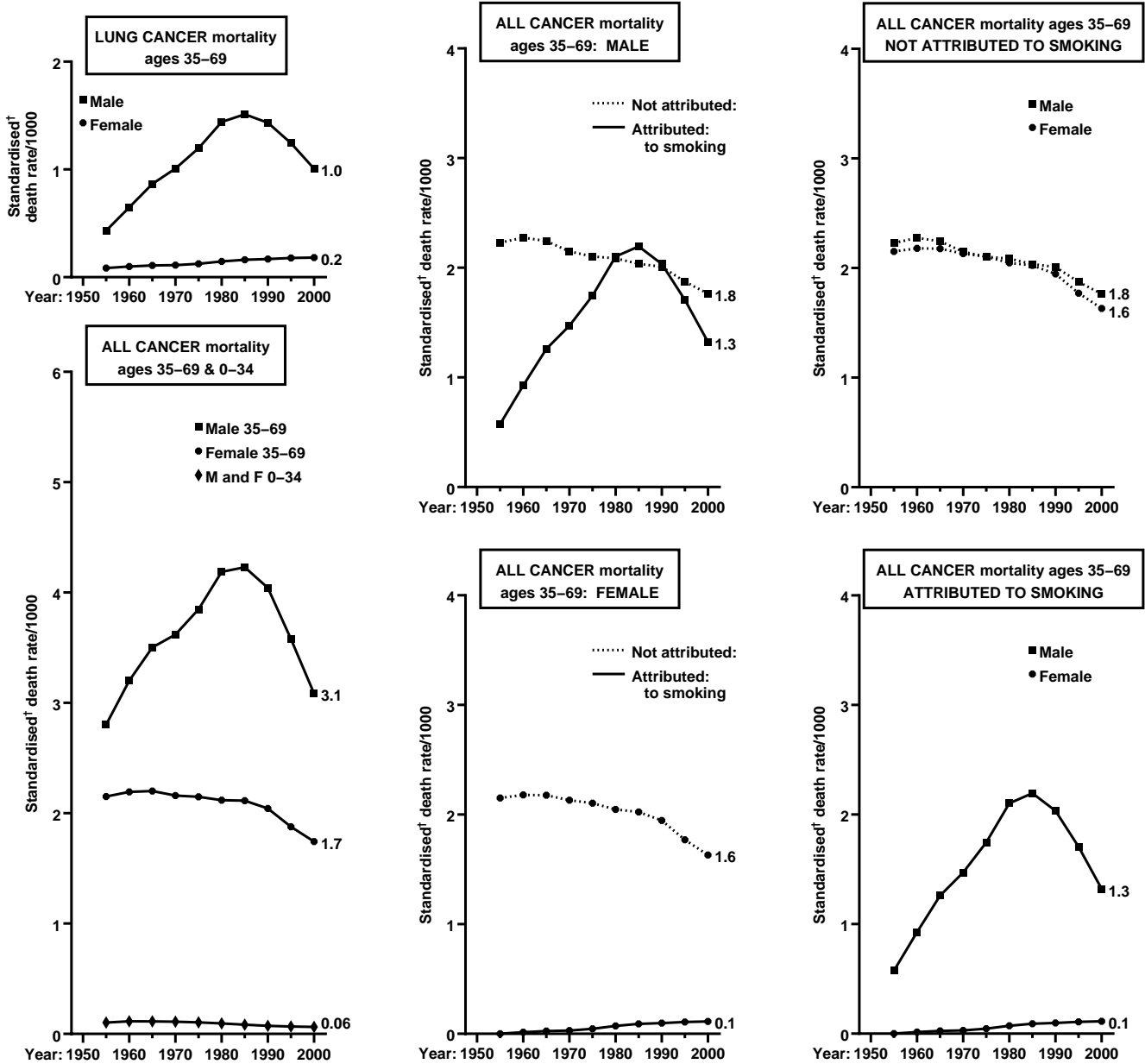
Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950	...	...	...	...	...	...	...	...	...	...	...	...	...			
1955	-	3.11	1.78	11.1	0.91	70.7	-	2.44	0.00	8.43	0.00	59.3				
1960	-	2.71	2.74	10.8	2.27	68.1	-	2.04	0.06	7.87	0.07	55.3				
1965	-	2.28	3.58	10.5	5.27	67.1	-	1.60	0.12	7.42	0.21	54.1				
1970	-	1.88	3.74	9.40	8.86	61.9	-	1.27	0.12	6.73	0.32	48.6				
1975	-	1.46	4.22	8.88	12.9	60.0	-	0.93	0.16	6.12	0.92	45.1				
1980	-	1.21	4.42	8.07	13.9	53.4	-	0.71	0.22	5.44	0.89	39.2				
1985	-	0.99	4.21	7.03	15.2	49.8	-	0.56	0.24	4.85	1.36	35.3				
1990	-	1.05	3.56	6.01	12.9	40.8	-	0.50	0.23	4.15	1.28	28.6				
1995	-	0.95	2.94	5.56	12.4	37.2	-	0.45	0.23	3.69	1.30	25.6				
2000	-	0.70	2.18	4.89	11.2	32.6	-	0.36	0.22	3.20	1.29	22.0				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)



1955-2000: ITALY

ALL CANCER mortality rates attributed and not attributed to smoking



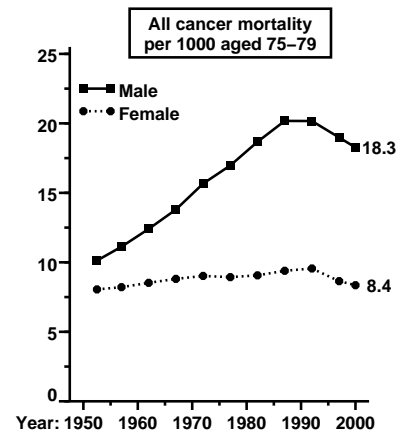
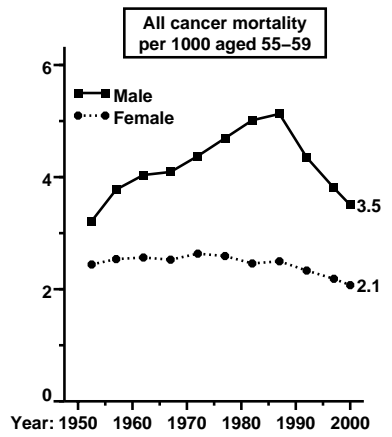
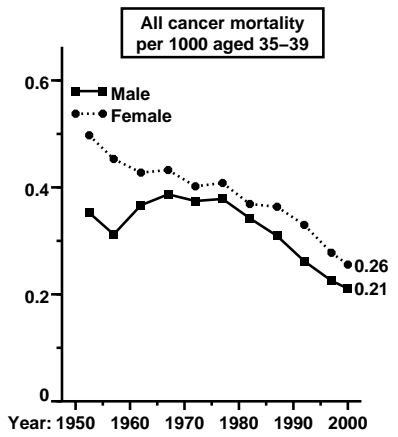
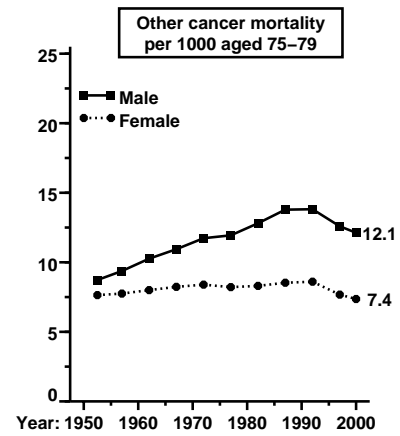
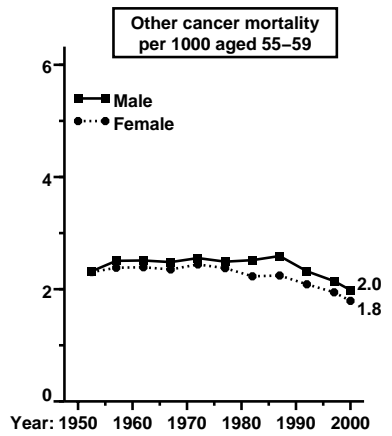
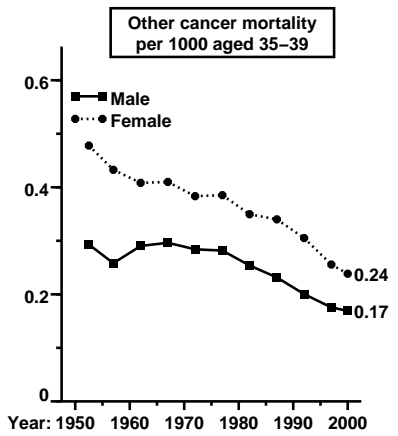
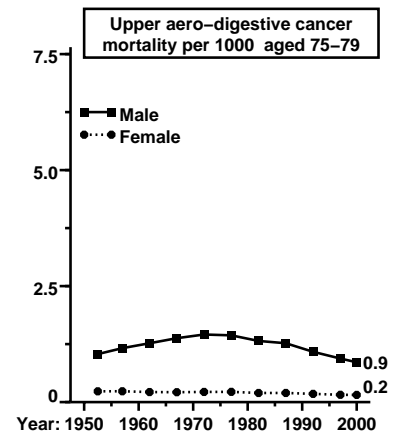
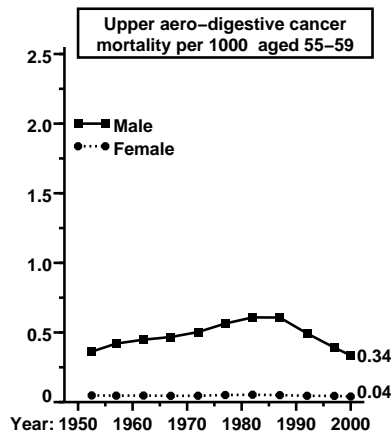
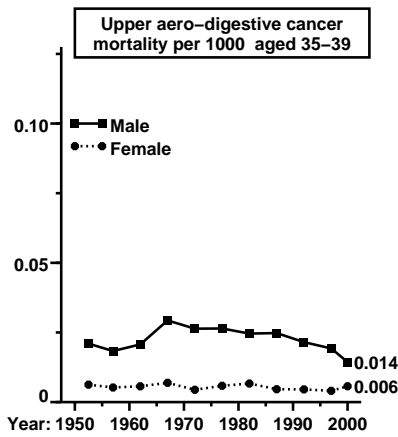
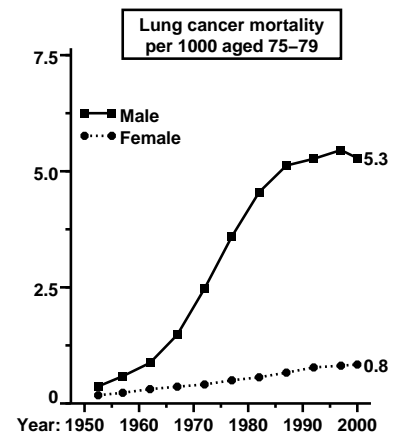
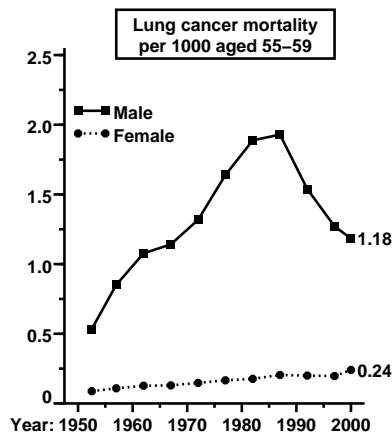
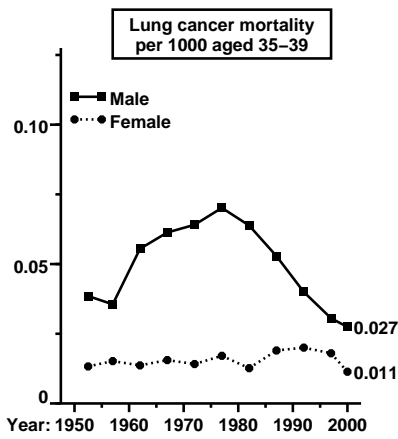
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No				
1950	---	---	---	---	---	---	---	---	---	---	---	---				
1955	-	0.11	0.57	2.23	0.29	9.68	-	0.10	0.00	2.15	0.00	7.26				
1960	-	0.12	0.93	2.27	0.72	10.2	-	0.11	0.01	2.18	0.01	7.71				
1965	-	0.12	1.26	2.24	1.66	10.4	-	0.10	0.02	2.18	0.03	7.88				
1970	-	0.12	1.47	2.15	3.04	10.7	-	0.10	0.03	2.13	0.06	7.55				
1975	-	0.11	1.74	2.10	4.55	10.5	-	0.09	0.04	2.10	0.18	7.57				
1980	-	0.10	2.10	2.08	5.75	10.4	-	0.09	0.07	2.05	0.22	7.53				
1985	-	0.09	2.19	2.03	6.86	11.0	-	0.08	0.09	2.02	0.39	7.79				
1990	-	0.08	2.03	2.01	6.48	10.6	-	0.07	0.10	1.95	0.43	7.32				
1995	-	0.07	1.71	1.87	6.58	9.94	-	0.06	0.11	1.77	0.48	6.84				
2000	-	0.07	1.32	1.76	6.33	9.47	-	0.06	0.11	1.63	0.54	6.60				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**ITALY: 1951-2000**

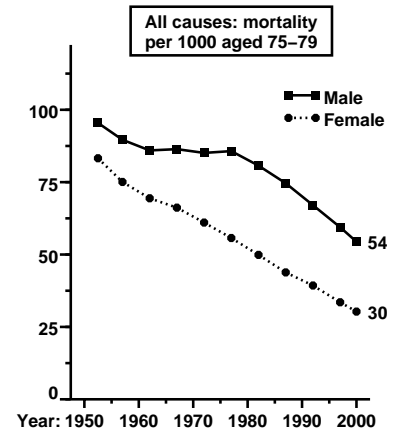
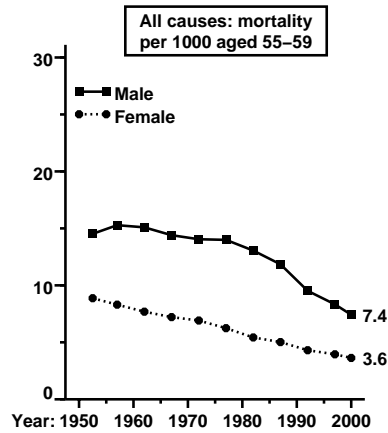
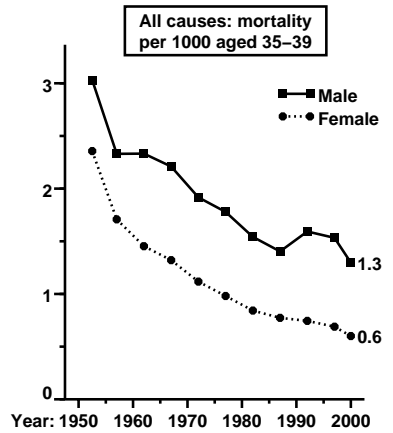
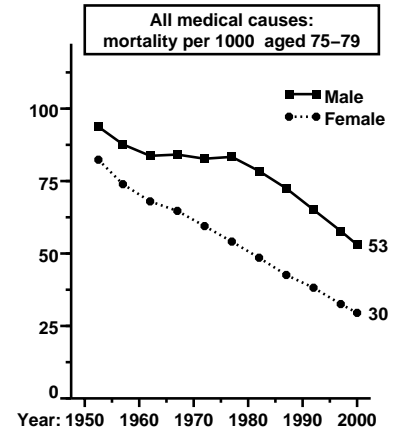
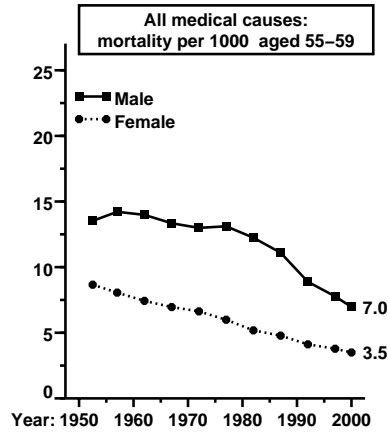
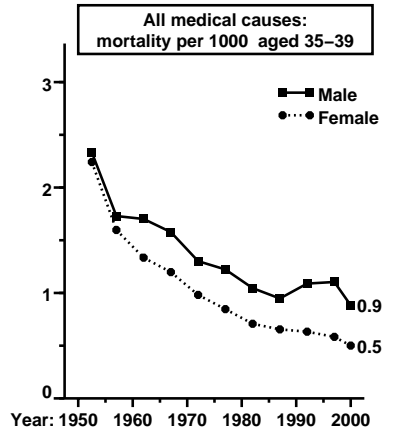
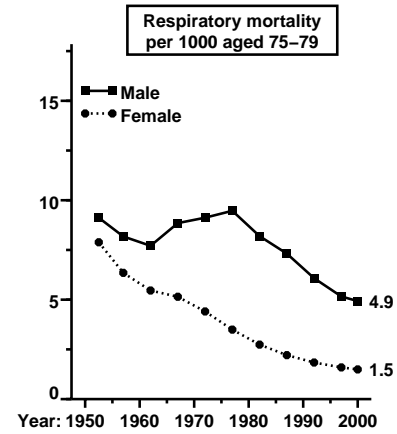
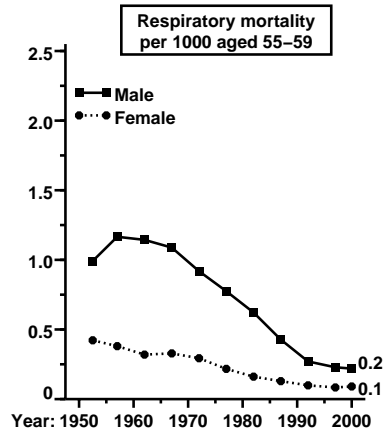
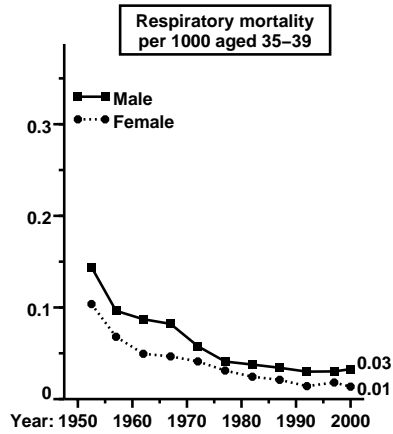
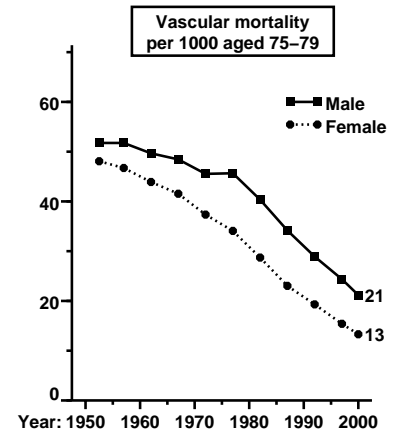
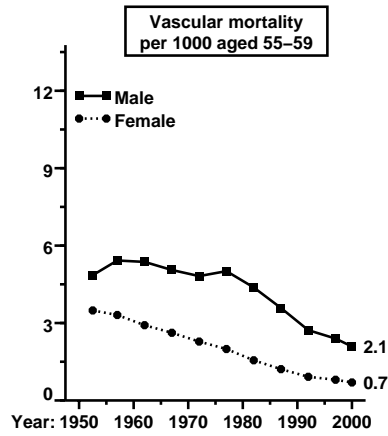
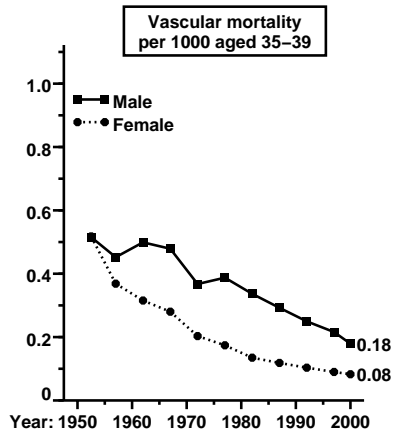
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

1951-2000: ITALY

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

## JAPAN: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	525903	15480	183729	683.7	54.6	676.8	94.3	14.3	14.7	44.8	65.3	64.7	84.1
	F	435750	8116	85105	358.1	31.1	294.7	79.3	10.3	7.9	18.4	27.7	31.7	42.5
Tuberculosis	M	3402	9	851	4.3	0.0	3.2	-	-	0.0	-	-	0.0	0.1
	F	1549	8	240	1.2	0.0	0.9	0.0	-	-	-	0.0	0.1	0.1
HIV	M	47	9	36	0.1	0.0	0.1	-	-	-	-	0.0	0.1	0.1
	F	3	-	2	0.0	-	0.0	-	-	-	-	-	-	-
Other infective and parasitic	M	7458	234	3112	9.8	0.9	11.4	3.4	0.5	0.3	0.4	0.4	0.6	0.9
	F	7399	174	1788	6.4	0.8	6.3	3.3	0.3	0.2	0.5	0.4	0.4	0.3
ALL CANCER	M	179140	1352	76454	228.2	4.6	286.4	2.5	2.7	2.2	3.6	4.5	5.9	10.9
	F	116344	1295	42212	109.5	4.5	145.0	1.9	1.8	1.8	2.7	3.6	6.4	13.0
Mouth and pharynx cancer	M	3610	39	2043	4.7	0.1	7.5	-	-	0.1	0.0	0.0	0.2	0.5
	F	1456	19	490	1.3	0.1	1.7	-	-	-	0.0	0.0	0.1	0.2
Oesophagus cancer	M	8706	2	4797	11.1	0.0	17.8	-	-	-	-	-	0.0	0.0
	F	1550	3	541	1.4	0.0	1.9	-	-	-	-	-	0.0	0.0
Stomach cancer	M	32798	120	13882	41.8	0.4	51.9	-	-	-	0.1	0.4	0.6	1.6
	F	17852	155	5863	16.3	0.5	20.1	-	-	-	0.1	0.2	1.0	2.2
Colorectal cancer	M	20002	104	9034	25.6	0.3	33.6	-	0.0	0.0	0.1	0.3	0.6	1.3
	F	16201	83	5408	14.7	0.3	18.6	-	-	-	0.1	0.3	0.4	1.1
Liver cancer	M	22375	66	12702	28.3	0.2	48.1	0.2	0.1	0.1	0.1	0.1	0.4	0.7
	F	9399	28	2944	8.4	0.1	10.6	0.1	-	-	-	0.1	0.2	0.3
Pancreas cancer	M	10380	24	4854	13.2	0.1	18.0	-	-	-	-	-	0.1	0.4
	F	8714	12	2637	7.7	0.0	9.2	-	-	-	-	-	0.1	0.2
Larynx cancer	M	958	1	362	1.2	0.0	1.4	-	-	-	-	-	0.0	-
	F	88	-	29	0.1	-	0.1	-	-	-	-	-	-	-
Lung cancer	M	39053	75	13852	49.3	0.2	52.4	-	0.0	0.0	0.1	0.1	0.2	1.3
	F	14671	41	4617	13.1	0.1	16.0	0.0	-	-	-	-	0.2	0.7
Malignant melanoma	M	244	16	118	0.3	0.1	0.4	-	-	-	0.0	0.0	0.1	0.2
	F	204	11	76	0.2	0.0	0.3	-	-	-	-	0.0	0.1	0.1
Female breast cancer	F	9171	126	6492	11.1	0.4	21.5	-	-	-	-	0.1	0.5	2.3
Cervix cancer	F	2393	85	1364	2.7	0.3	4.6	-	-	-	-	0.0	0.4	1.5
Other uterine cancer	F	2809	26	1255	2.8	0.1	4.2	-	-	-	-	0.1	0.2	0.3
Ovarian cancer	F	4058	76	2387	4.5	0.3	8.0	-	-	0.1	0.2	0.3	0.4	0.8
Prostate cancer	M	7514	-	1283	9.5	-	5.1	-	-	-	-	-	-	-
Bladder cancer	M	3184	2	784	4.0	0.0	3.0	-	-	-	-	0.0	-	0.0
	F	1496	2	225	1.1	0.0	0.8	-	-	-	-	-	0.0	0.0
Other and ill-defined cancer sites	M	19994	437	8120	25.7	1.6	30.3	1.2	1.4	0.8	1.7	1.7	1.5	2.4
	F	18495	317	5035	16.3	1.2	17.6	0.8	1.1	1.3	1.1	1.0	1.3	1.7
Hodgkin's disease	M	76	2	39	0.1	0.0	0.1	-	-	-	-	-	0.0	0.0
	F	51	5	18	0.1	0.0	0.1	-	-	-	0.0	0.0	0.0	0.0
Myeloma and non-Hodgkin lymphomas	M	6276	131	2595	8.1	0.4	9.6	0.1	0.2	0.3	0.4	0.5	0.7	0.9
	F	4940	73	1613	4.6	0.2	5.6	0.1	0.1	0.1	0.2	0.3	0.4	0.5
Leukaemia	M	3970	333	1989	5.3	1.2	7.2	1.0	0.9	0.9	1.2	1.2	1.5	1.5
	F	2796	233	1218	3.1	0.9	4.2	0.9	0.7	0.4	1.0	1.1	0.9	1.1
Diabetes	M	6489	64	2918	8.3	0.2	10.8	-	-	0.1	0.1	0.2	0.3	0.7
	F	5814	25	1119	4.7	0.1	3.9	0.0	-	-	-	0.1	0.2	0.2
ALL VASCULAR DISEASE	M	144629	1524	42933	186.2	5.1	158.3	4.0	0.8	1.5	2.8	5.0	7.7	13.8
	F	153709	645	18269	114.1	2.3	64.1	3.3	0.6	0.9	1.4	1.9	2.8	5.4
Rheumatic heart disease and fever	M	774	4	202	1.0	0.0	0.8	0.0	-	-	-	0.0	0.0	0.0
	F	1756	2	241	1.3	0.0	0.9	-	-	-	-	-	0.0	0.0
Hypertensive disease	M	2163	6	428	2.8	0.0	1.6	-	-	-	-	-	0.1	0.1
	F	3900	-	216	2.6	-	0.8	-	-	-	-	-	-	-
Ischaemic heart disease	M	37875	274	13462	48.6	0.9	49.6	0.1	0.0	0.1	0.3	0.8	1.6	3.2
	F	32308	64	4010	24.2	0.2	14.3	-	0.0	0.0	0.2	0.1	0.2	0.9
Pulmonary embolism and other venous	M	841	19	296	1.1	0.1	1.1	-	-	0.1	0.1	0.0	0.1	0.2
	F	1170	21	372	1.1	0.1	1.3	-	-	-	-	0.1	0.1	0.3
Cerebrovascular disease	M	63127	296	17191	81.0	1.0	63.5	0.4	0.2	0.1	0.4	0.7	1.4	3.4
	F	69402	180	8768	51.8	0.6	30.5	0.4	0.2	0.4	0.4	0.4	0.8	1.7
Other vascular disease	M	39849	925	11354	51.7	3.1	41.8	3.5	0.6	1.2	2.0	3.3	4.5	6.9
	F	45173	378	4662	33.1	1.4	16.4	3.0	0.4	0.5	0.8	1.2	1.6	2.4
Chronic obstructive pulmonary disease	M	12722	123	1577	16.2	0.4	6.2	0.6	0.3	0.3	0.3	0.5	0.5	0.5
	F	6448	68	642	4.8	0.2	2.3	0.2	0.1	0.1	0.2	0.3	0.2	0.5
Other respiratory disease	M	62822	436	8817	80.4	1.7	34.0	5.7	0.9	0.9	0.7	1.0	1.0	1.7
	F	52509	366	3465	36.9	1.5	12.3	5.5	1.0	0.6	0.7	0.6	0.8	1.5
Peptic ulcer	M	2161	14	812	2.8	0.0	3.0	0.1	0.0	-	0.0	0.0	-	0.2
	F	1708	4	183	1.2	0.0	0.6	-	0.0	-	-	0.0	-	0.0
Liver cirrhosis	M	9285	82	7018	12.4	0.3	24.8	0.0	0.0	0.1	-	0.0	0.3	1.4
	F	3715	22	1473	3.6	0.1	5.1	-	-	-	-	0.0	0.1	0.4
Renal disease	M	9115	46	1834	11.7	0.2	6.9	0.4	-	0.1	0.1	-	0.2	0.4
	F	10749	33	1017	7.7	0.1	3.6	0.3	-	0.0	0.1	0.1	0.1	0.3
Pregnancy, birth	F	84	58	25	0.1	0.2	0.1	-	-	-	0.1	0.1	0.3	0.9
Congenital and perinatal causes	M	1973	1615	185	4.5	7.3	0.7	46.7	1.1	0.7	0.8	0.6	0.5	0.5
	F	1854	1421	173	4.2	6.8	0.6	44.2	1.0	0.5	0.6	0.6	0.4	0.2
Ill-defined causes	M	9098	411	1363	12.3	1.7	4.8	8.6	0.1	0.1	0.3	0.9	0.8	1.1
	F	17450	245	417	11.6	1.1	1.4	6.3	0.0	0.0	0.3	0.4	0.4	0.3
Other medical causes	M	28254	1094	9273	37.0	4.1	34.1	8.8	2.0	2.6	3.4	3.4	3.5	4.8
	F	31918	823	5610	26.2	3.2	19.5	6.5	2.0	1.7	2.0	3.0	3.2	3.8
ALL NON-MEDICAL CAUSES	M	49308	8467	26546	69.5	28.1	92.0	13.5	5.7	5.8	32.5	48.7	43.3	47.0
	F	24497	2929	8470	25.9	10.2	28.8	7.6	3.3	2.0	9.9	16.7	16.4	15.7
Road traffic accidents	M	8221	2776	3495	12.0	9.3	12.3	1.9	2.3	1.8	18.2	19.3	11.8	9.9
	F	3557	579	1413	4.1	2.1	4.9	0.8	1.3	0.6	4.1	4.4	2.0	1.5
Fire	M	883	86	427	1.2	0.3	1.5	0.8	0.5	0.2	0.1	0.2	0.2	0.4
	F	533	61	184	0.6	0.2	0.6	0.2	0.3	0.3	0.2	0.3	0.1	0.2
Suicide	M	21656	3784	14912	31.0	11.9	50.7	-	-	1.7	8.7	21.3	23.6	28.2
	F	8595	1574	4512	10.7	5.1	15.2	-	-	0.5	3.8	9.4	11.2	11.1
Homicide	M	426	136	249	0.7	0.5	0.9	1.2	0.4	0.2	0.6	0.2	0.4	0.6
	F	342	116	155	0.5	0.5	0.5	1.0	0.4	0.1	0.3	0.6	0.5	0.3
<b>POPULATION:</b>			<b>M=male</b>		62178	27284	29116	3109	3072	3352	3839	4402	5053	4457
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>		64856	26141	29717	2946	2926	3192	3664	4195	4872	4346

## 2000: JAPAN

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
112.5	174.1	293.1	460.7	742.4	1133.1	1821.4	2881.7	4646.7	11488.3	M	ALL CAUSES	001-999/A00-Y89
60.4	94.1	148.0	224.0	318.8	465.8	751.5	1246.3	2279.0	7488.3	F		
0.4	0.5	1.3	1.9	3.9	4.3	9.8	22.2	41.7	84.0	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.0	0.1	0.1	0.2	0.6	1.5	3.6	7.4	11.9	23.3	F		
0.1	0.1	0.1	0.2	0.2	0.1	0.0	0.0	0.1	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	0.0	0.0	-	-	-	0.0	F		
1.7	2.7	5.7	7.9	12.7	18.8	30.6	43.8	61.1	128.8	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.6	1.1	2.1	3.0	6.3	10.1	21.2	28.1	48.9	100.9	F		
18.8	41.4	86.0	167.3	309.1	510.9	871.0	1262.7	1716.8	2640.6	M	ALL CANCER	140-208/C00-C97
26.6	46.3	79.2	123.4	169.6	230.0	340.2	483.6	695.9	1216.2	F		
0.7	1.5	3.6	5.4	9.7	12.7	18.6	21.1	27.8	34.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	0.6	0.9	1.6	1.7	3.0	3.5	5.7	7.7	17.3	F		
0.3	1.3	4.7	10.9	24.6	34.9	47.9	60.4	69.6	78.1	M	Oesophagus cancer	150/C15
0.1	0.3	0.8	1.3	2.3	3.6	4.7	5.7	7.9	19.0	F		
3.4	7.7	16.1	30.8	57.3	91.4	156.5	226.5	305.3	516.7	M	Stomach cancer	151/C16
4.0	7.9	13.3	17.0	22.2	32.5	43.8	66.2	104.2	216.5	F		
2.0	5.1	10.3	21.1	39.2	63.0	94.4	133.1	172.0	299.4	M	Colorectal cancer	153, 154/C18-C21
1.8	3.9	7.8	15.2	23.3	33.1	45.3	69.0	93.6	187.6	F		
1.4	4.6	11.6	25.8	48.5	86.0	158.6	165.4	163.8	170.4	M	Liver cancer	155.0/C22 excl C221
0.4	0.5	1.3	3.5	7.6	19.2	41.9	60.2	71.0	82.8	F		
0.9	2.4	6.1	11.8	21.1	33.6	50.1	71.8	97.5	133.4	M	Pancreas cancer	157/C25
0.4	1.4	3.2	5.5	10.7	16.1	27.3	40.9	62.0	97.5	F		
-	0.1	0.2	0.6	1.6	2.5	4.7	7.2	9.9	16.1	M	Larynx cancer	161/C32
0.0	-	0.0	0.1	0.1	0.2	0.3	0.2	0.5	1.2	F		
2.4	7.4	14.1	28.0	51.5	90.0	173.4	309.0	460.3	625.9	M	Lung cancer	162/C33, C34
1.8	3.8	5.8	12.7	18.1	26.9	42.8	62.7	98.2	169.0	F		
0.2	0.2	0.2	0.3	0.4	0.9	0.9	1.1	1.2	4.0	M	Malignant melanoma	172/C43
0.1	0.1	0.4	0.2	0.3	0.2	0.5	0.7	1.0	2.1	F		
7.2	12.4	20.0	28.2	29.8	26.5	26.3	24.7	27.9	32.3	F	Female breast cancer	174/C50
2.6	2.9	4.6	4.9	5.8	5.5	5.6	7.8	9.8	13.6	F	Cervix cancer	180/C53
0.9	1.0	2.4	4.1	6.6	6.6	8.1	10.7	13.9	25.5	F	Other uterine cancer	179, 182/C54, C55
1.8	3.5	6.9	9.6	11.2	10.2	12.7	14.6	16.9	21.5	F	Ovarian cancer	183/C56, C570-C574
0.0	0.1	0.3	0.9	3.3	8.6	22.5	49.8	83.4	233.4	M	Prostate cancer	185/C61
0.1	0.3	0.6	1.6	2.8	5.4	9.9	21.6	35.9	81.6	M	Bladder cancer	188/C67
-	0.1	0.1	0.5	0.9	1.3	2.6	4.7	9.5	26.9	F		
3.5	5.2	10.1	18.8	31.0	55.0	88.3	130.1	197.1	316.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
2.6	4.2	6.6	11.5	18.4	29.5	50.4	74.3	121.9	235.0	F		
0.1	0.1	0.1	0.1	0.2	0.1	0.3	0.4	0.7	0.8	M	Hodgkin's disease	201/C81
-	0.1	0.0	0.1	0.0	0.1	0.2	0.1	0.4	0.4	F		
1.3	2.2	4.1	5.4	11.0	15.9	27.6	43.3	63.0	91.1	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.0	1.6	2.2	3.9	6.1	9.3	15.4	23.9	35.0	49.1	F	Leukaemia	204-208/C91-C95
2.6	3.2	3.9	5.8	6.8	10.8	17.3	21.9	29.3	39.2	M		
1.3	2.0	2.9	3.5	4.4	6.2	8.9	11.3	14.3	19.0	F		
1.1	2.6	4.3	6.7	11.4	20.5	29.1	41.1	55.8	99.7	M	Diabetes	250/E10-E14
0.3	0.8	1.5	2.0	4.3	6.9	11.7	22.6	40.3	89.5	F		
22.6	39.0	70.2	108.3	168.1	268.3	431.9	751.0	1361.1	3817.8	M	ALL VASCULAR DISEASE	390-459/I00-I99
8.2	15.3	25.7	40.7	61.9	103.6	193.0	374.5	810.5	3126.7	F		
-	0.0	0.2	0.3	1.0	1.8	2.0	4.1	6.7	23.0	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.1	0.2	0.4	0.9	1.7	2.8	5.3	10.0	33.3	F		
0.2	0.3	0.6	1.3	1.6	2.6	4.5	8.5	15.5	82.0	M	Hypertensive disease	401-405/I10-I15
0.0	0.1	0.2	0.3	0.6	1.2	3.0	4.9	12.7	97.9	F		
6.0	10.8	20.1	34.7	54.9	86.1	134.8	216.5	353.5	832.2	M	Ischaemic heart disease	410-414/I20-I25
1.3	2.2	4.2	6.9	12.1	24.7	48.5	94.9	196.7	618.2	F		
0.2	0.4	0.6	0.4	1.4	1.9	2.8	4.9	8.5	16.9	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.3	0.6	1.1	1.0	1.1	2.1	2.8	4.3	7.3	14.0	F		
7.5	14.2	28.8	43.3	67.1	106.2	177.1	323.7	616.3	1775.3	M	Cerebrovascular disease	430-438/I60-I69
3.7	7.8	13.8	22.7	32.5	47.3	85.5	168.3	360.9	1404.0	F		
8.6	13.2	19.9	28.2	42.2	69.8	110.6	193.3	360.6	1088.3	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.8	4.5	6.2	9.5	14.7	26.6	50.6	96.8	223.0	959.3	F		
0.8	1.0	1.2	1.9	4.0	9.4	24.8	72.1	155.3	432.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.6	0.5	1.1	1.0	1.7	3.4	7.7	16.6	37.7	130.0	F		
2.7	4.5	7.2	13.1	26.7	58.9	125.0	282.1	618.3	2361.7	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.5	2.3	3.3	5.6	10.5	20.7	42.5	95.0	234.0	1213.5	F		
0.3	0.8	1.7	2.3	3.1	4.8	7.9	11.4	19.0	47.5	M	Peptic ulcer	531-533/K25-K27
0.0	0.1	0.3	0.3	0.6	1.2	2.0	4.1	8.1	36.2	F		
3.9	8.6	16.2	24.6	34.0	42.8	43.5	37.3	34.2	42.5	M	Liver cirrhosis	571/K70, K74
0.8	1.7	2.6	3.8	5.8	8.1	12.9	18.3	25.2	30.5	F		
0.7	1.3	2.3	3.6	6.4	11.3	22.9	42.9	88.2	305.8	M	Renal disease	580-590/N00-N19
0.2	0.4	1.1	2.0	2.7	6.7	12.2	24.2	54.3	230.8	F		
0.4	0.2	-	0.0	0.0	-	-	-	-	0.0	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
0.4	0.4	0.4	0.6	0.6	0.7	1.0	1.6	2.2	4.6	M	Ill-defined causes	780-799/R00-R99
1.8	2.0	3.2	4.3	6.2	7.2	9.2	14.0	35.0	416.6	F		
0.5	0.6	0.9	1.1	1.6	1.9	3.3	8.2	23.8	486.1	F		
7.2	10.4	15.6	22.8	35.6	56.7	90.7	151.6	255.6	638.4	M	Other medical causes	Rest of 001-799/ rest of A00-R99
4.6	6.8	9.8	13.3	19.2	31.4	51.7	92.3	173.5	554.6	F		
50.2	58.9	77.5	95.2	120.3	118.5	123.7	147.8	201.6	466.9	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
15.6	17.5	20.1	27.0	33.2	39.7	48.4	69.8	112.6	245.1	F		
7.5	8.6	9.9	11.3	13.3	17.3	17.8	24.7	34.7	48.4	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
1.9	2.7	2.7	3.8	5.8	7.5	9.6	14.4	20.3	18.1	F		
0.5	0.7	1.0	1.5	2.1	2.4	2.3	3.2	5.7	12.8	M	Fire	E890-E899/X00-X09
0.4	0.4	0.4	0.6	0.7	0.6	1.2	1.4	3.0	5.2	F		
32.4	36.4	48.5	59.0	72.3	58.4	48.2	41.4	39.8	80.0	M	Suicide	E950-E959/X60-X84
9.6	10.3	12.1	16.2	18.3	20.0	19.7	21.4	26.4	35.3	F		
0.5	0.6	0.9	1.0	1.0	0.8	1.1	0.6	0.6	1.0	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.4	0.4	0.5	0.4	0.5	0.9	0.6	0.7	0.7	0.9	F		
4109	3929	4484	5232	4290	3725	3347	2652	1591	1535	M	POPULATION	
4014	3868	4455	5240	4436	3964	3739	3219	2503	3277	F	(1000s; UN, 2004 revision)	

<b>JAPAN: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	17950	1646	66	48	1532	267	622	1563	90	4586	9176
35-69	Sm.	30798	18689	11694	2789	4206	1481	1314	6304	-	3010	-
	Total	187677	77913	13921	6518	57474	2446	9437	45816	7483	21946	22636
		(16%)	(24%)	(84%)	(43%)	(7%)	(61%)	(14%)	(14%)		(14%)	
70+	Sm.	52815	25900	17293	2483	6124	8333	4488	10006	-	4088	-
	Total	295649	80064	19402	4539	56123	11949	46474	101136	2073	41378	12575
		(18%)	(32%)	(89%)	(55%)	(11%)	(70%)	(10%)	(10%)		(10%)	
Any age	Sm.	83613	44589	28987	5272	10330	9814	5802	16310	-	7098	-
	Total	501276	159623	33389	11105	115129	14662	56533	148515	9646	67910	44387
		(17%)	(28%)	(87%)	(47%)	(9%)	(67%)	(10%)	(11%)		(10%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	15480	1352	75	42	1235	123	436	1524	82	3496	8467
35-69	Sm.	28631	18219	11479	2969	3771	923	1137	5660	-	2692	-
	Total	183729	76454	13852	7202	55400	1577	8817	42933	7018	20384	26546
		(16%)	(24%)	(83%)	(41%)	(7%)	(59%)	(13%)	(13%)		(13%)	
70+	Sm.	60952	33398	22406	3300	7692	7713	5263	10123	-	4455	-
	Total	326694	101334	25126	6030	70178	11022	53569	100172	2185	44117	14295
		(19%)	(33%)	(89%)	(55%)	(11%)	(70%)	(10%)	(10%)		(10%)	
Any age	Sm.	89583	51617	33885	6269	11463	8636	6400	15783	-	7147	-
	Total	525903	179140	39053	13274	126813	12722	62822	144629	9285	67997	49308
		(17%)	(29%)	(87%)	(47%)	(9%)	(68%)	(10%)	(11%)		(11%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	61526	28258	28759	3948	4530	5332	4425	3909	3614	3001	1943	1261	1304
2000	62178	27284	29116	4109	3929	4484	5232	4290	3725	3347	2652	1591	1535
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	501276	17950	187677	4413	8236	15616	21905	30491	47188	59828	60927	68504	166218
2000	525903	15480	183729	4621	6840	13141	24103	31848	42214	60962	76413	73947	176334
<b>Lung cancer</b>													
1995	33389	66	13921	101	289	757	1140	1831	3761	6042	6104	5702	7596
2000	39053	75	13852	97	289	634	1465	2210	3352	5805	8193	7326	9607
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	757.8*	64.0*	737.3*	111.8	181.8	292.9	495.1	780.0	1305.6	1993.8	3136.0	5431.7	12742.9
2000	683.7*	54.6*	676.8*	112.5	174.1	293.1	460.7	742.4	1133.1	1821.4	2881.7	4646.7	11488.3
<b>All cancer</b>													
1995	237.2*	5.6*	312.3*	22.5	46.7	93.3	182.1	325.1	598.6	917.5	1263.6	1756.7	2557.4
2000	228.2*	4.6*	286.4*	18.8	41.4	86.0	167.3	309.1	510.9	871.0	1262.7	1716.8	2640.6
<b>Lung cancer</b>													
1995	49.7*	0.2*	57.3*	2.6	6.4	14.2	25.8	46.8	104.1	201.4	314.2	452.1	582.3
2000	49.3*	0.2*	52.4*	2.4	7.4	14.1	28.0	51.5	90.0	173.4	309.0	460.3	625.9
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	16.4*	0.2*	25.9*	0.8	3.0	8.2	18.7	31.3	47.1	72.0	84.1	98.8	127.2
2000	17.0*	0.1*	26.6*	0.9	2.9	8.5	16.9	35.9	50.1	71.2	88.6	107.3	128.5
<b>Other cancer</b>													
1995	171.1*	5.3*	229.1*	19.2	37.3	71.0	137.7	247.0	447.4	644.1	865.3	1205.8	1847.9
2000	161.9*	4.2*	207.3*	15.5	31.2	63.4	122.4	221.8	370.8	626.4	865.1	1149.2	1886.2
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	22.4*	0.9*	10.2*	1.0	1.5	2.0	3.9	6.7	16.2	40.5	99.1	228.6	547.5
2000	16.2*	0.4*	6.2*	0.8	1.0	1.2	1.9	4.0	9.4	24.8	72.1	155.3	432.5
<b>Other respiratory disease</b>													
1995	86.3*	2.4*	39.0*	3.4	5.9	8.7	16.0	30.7	66.2	142.4	305.0	724.0	2408.5
2000	80.4*	1.7*	34.0*	2.7	4.5	7.2	13.1	26.7	58.9	125.0	282.1	618.3	2361.7
<b>Vascular disease</b>													
1995	224.3*	5.4*	180.9*	23.6	41.4	71.4	117.5	188.1	311.7	512.6	906.4	1764.7	4697.1
2000	186.2*	5.1*	158.3*	22.6	39.0	70.2	108.3	168.1	268.3	431.9	751.0	1361.1	3817.8
<b>Liver cirrhosis</b>													
1995	14.2*	0.3*	27.6*	4.4	10.4	16.8	29.2	40.3	49.0	43.4	37.3	41.3	63.4
2000	12.4*	0.3*	24.8*	3.9	8.6	16.2	24.6	34.0	42.8	43.5	37.3	34.2	42.5
<b>Other medical causes</b>													
1995	105.5*	19.0*	85.7*	14.6	23.6	37.0	57.8	90.9	153.3	222.6	365.0	674.8	1976.1
2000	90.8*	14.4*	75.1*	13.6	20.8	34.7	50.2	80.3	124.4	201.5	328.8	559.4	1726.3
<b>All non-medical causes</b>													
1995	67.9*	30.4*	81.5*	42.2	52.2	63.7	88.7	98.2	110.6	114.8	159.6	241.5	492.9
2000	69.5*	28.1*	92.0*	50.2	58.9	77.5	95.2	120.3	118.5	123.7	147.8	201.6	466.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: JAPAN

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	9683	1354	47	19	1288	130	478	728	24	3472	3497
35-69	Sm.	4439	2227	1849	143	235	332	197	1083	-	600	-
	Total	91189	41923	4333	882	36708	1096	3862	21402	1770	11863	9273
		(5%)	(5%)	(43%)	(16%)	(1%)	(30%)	(5%)	(5%)		(5%)	
70+	Sm.	20110	6649	5246	568	835	3669	1754	5529	-	2509	-
	Total	319991	60122	7976	1690	50456	6825	43075	134179	2216	60854	12720
		(6%)	(11%)	(66%)	(34%)	(2%)	(54%)	(4%)	(4%)		(4%)	
Any age	Sm.	24549	8876	7095	711	1070	4001	1951	6612	-	3109	-
	Total	420863	103399	12356	2591	88452	8051	47415	156309	4010	76189	25490
		(6%)	(9%)	(57%)	(27%)	(1%)	(50%)	(4%)	(4%)		(4%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	8116	1295	41	22	1232	68	366	645	22	2791	2929
35-69	Sm.	4249	2391	1986	171	234	199	181	938	-	540	-
	Total	85105	42212	4617	1060	36535	642	3465	18269	1473	10574	8470
		(5%)	(6%)	(43%)	(16%)	(1%)	(31%)	(5%)	(5%)		(5%)	
70+	Sm.	19579	7813	6306	620	887	2892	1716	4822	-	2336	-
	Total	342529	72837	10013	2012	60812	5738	48678	134795	2220	65163	13098
		(6%)	(11%)	(63%)	(31%)	(1%)	(50%)	(4%)	(4%)		(4%)	
Any age	Sm.	23828	10204	8292	791	1121	3091	1897	5760	-	2876	-
	Total	435750	116344	14671	3094	98579	6448	52509	153709	3715	78528	24497
		(5%)	(9%)	(57%)	(26%)	(1%)	(48%)	(4%)	(4%)		(4%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	63946	27138	29449	3876	4478	5289	4500	4046	3863	3397	2753	2028	2577
2000	64856	26141	29717	4014	3868	4455	5240	4436	3964	3739	3219	2503	3277
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	420863	9683	91189	2426	4578	8520	11041	14241	21122	29261	41516	56924	221551
2000	435750	8116	85105	2425	3639	6595	11740	14144	18466	28096	40115	57053	245361
<b>Lung cancer</b>													
1995	12356	47	4333	66	169	380	551	732	1021	1414	1768	2205	4003
2000	14671	41	4617	74	147	259	664	803	1068	1602	2017	2459	5537
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	415.8*	37.8*	333.1*	62.6	102.2	161.1	245.4	351.9	546.8	861.4	1507.9	2806.3	8598.6
2000	358.1*	31.1*	294.7*	60.4	94.1	148.0	224.0	318.8	465.8	751.5	1246.3	2279.0	7488.3
<b>All cancer</b>													
1995	113.5*	4.8*	151.6*	28.0	49.7	82.8	125.0	170.3	247.9	357.3	511.5	734.7	1208.4
2000	109.5*	4.5*	145.0*	26.6	46.3	79.2	123.4	169.6	230.0	340.2	483.6	695.9	1216.2
<b>Lung cancer</b>													
1995	13.1*	0.2*	15.9*	1.7	3.8	7.2	12.2	18.1	26.4	41.6	64.2	108.7	155.4
2000	13.1*	0.1*	16.0*	1.8	3.8	5.8	12.7	18.1	26.9	42.8	62.7	98.2	169.0
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.7*	0.1*	3.2*	0.3	0.5	1.3	2.8	3.9	5.8	8.0	12.4	18.7	37.6
2000	2.8*	0.1*	3.7*	0.5	1.0	1.7	3.0	4.2	6.8	8.4	11.7	16.2	37.5
<b>Other cancer</b>													
1995	97.7*	4.6*	132.5*	26.0	45.4	74.3	109.9	148.4	215.7	307.7	434.9	607.2	1015.4
2000	93.6*	4.3*	125.4*	24.2	41.6	71.6	107.7	147.3	196.3	289.0	409.2	581.4	1009.8
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	7.5*	0.5*	4.1*	0.7	0.9	1.6	2.0	4.1	6.6	12.8	28.5	61.4	186.1
2000	4.8*	0.2*	2.3*	0.6	0.5	1.1	1.0	1.7	3.4	7.7	16.6	37.7	130.0
<b>Other respiratory disease</b>													
1995	41.8*	2.0*	14.6*	1.5	3.1	4.1	7.3	11.9	25.3	48.8	116.2	286.0	1322.5
2000	36.9*	1.5*	12.3*	1.5	2.3	3.3	5.6	10.5	20.7	42.5	95.0	234.0	1213.5
<b>Vascular disease</b>													
1995	142.9*	2.7*	79.7*	8.5	17.0	30.1	47.3	77.3	135.7	242.1	505.8	1102.4	3799.2
2000	114.1*	2.3*	64.1*	8.2	15.3	25.7	40.7	61.9	103.6	193.0	374.5	810.5	3126.7
<b>Liver cirrhosis</b>													
1995	4.5*	0.1*	6.5*	1.0	1.9	2.7	4.6	7.1	12.6	15.5	21.6	30.9	38.6
2000	3.6*	0.1*	5.1*	0.8	1.7	2.6	3.8	5.8	8.1	12.9	18.3	25.2	30.5
<b>Other medical causes</b>													
1995	75.2*	15.3*	44.0*	8.5	12.2	17.1	26.4	43.2	73.8	126.5	230.8	445.4	1764.5
2000	63.4*	12.2*	37.1*	7.1	10.4	16.1	22.5	36.1	60.4	106.8	188.5	363.1	1526.2
<b>All non-medical causes</b>													
1995	30.5*	12.4*	32.7*	14.3	17.5	22.8	32.8	38.0	44.9	58.4	93.5	145.5	279.2
2000	25.9*	10.2*	28.8*	15.6	17.5	20.1	27.0	33.2	39.7	48.4	69.8	112.6	245.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## JAPAN: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 15	– / 8.1	–
35–69	29 / 184	4.2 / 85	22 years
70+	61 / 327	20 / 343	8 years
All ages	90 / 526	24 / 436	12 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	11/14	22/25	34/39	–/0.0	2.0/4.6	6.3/10	8.3/15
All Cancer	–/1.4	18/76 (24%)	33/101 (33%)	52/179	–/1.3	2.4/42 (6%)	7.8/73 (11%)	10/116
Vascular	–/1.5	5.7/43	10/100	16/145	–/0.6	0.9/18	4.8/135	5.8/154
Respiratory	–/0.6	2.1/10	13/65	15/76	–/0.4	0.4/4.1	4.6/54	5.0/59
All Other	–/12	2.7/54	4.5/61	7.1/127	–/5.7	0.5/21	2.3/80	2.9/107
All Causes	–/15	29/184 (16%)	61/327 (19%)	90/526	–/8.1	4.2/85 (5%)	20/343 (6%)	24/436

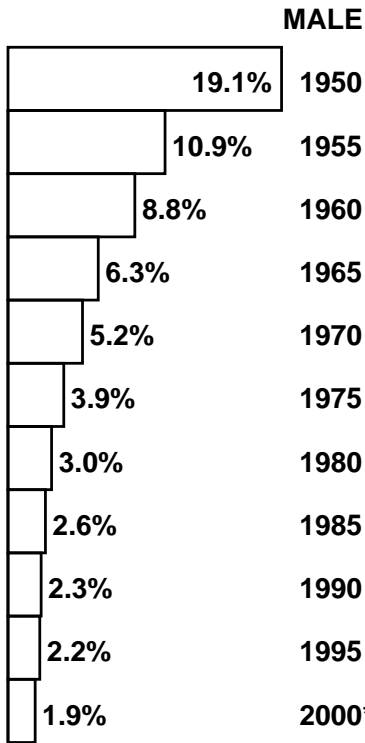
## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	52 / 179 (29%)	10 / 116 (9%)	62 / 295 (21%)
All Causes	90 / 526 (17%)	24 / 436 (5%)	113 / 962 (12%)



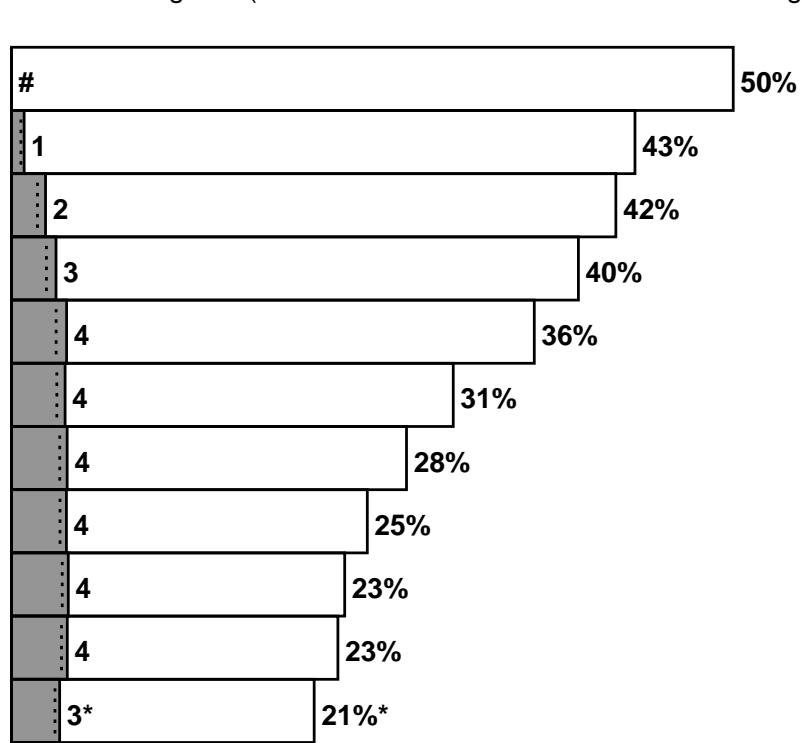
1950-2000: JAPAN

**Population risk of dying at ages 0-34**



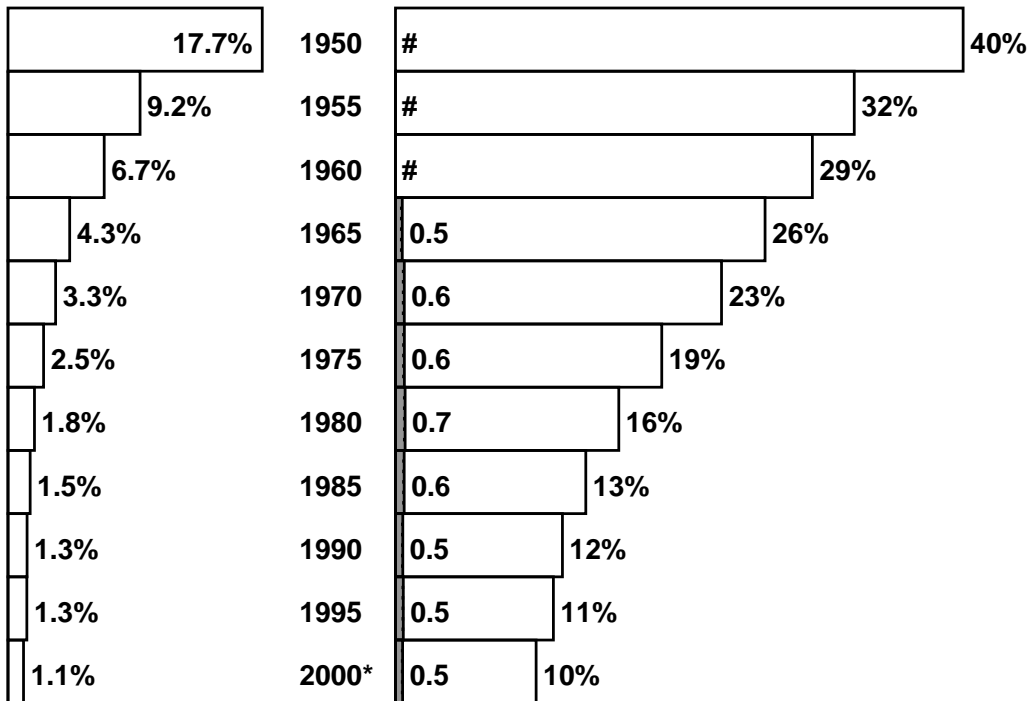
**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

\*eg, at year 2000 male death rates, out of 100 men aged 35, 21 would die before age 70 (with 3 of these deaths attributed to smoking)



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

<b>JAPAN: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/192	0.0/177 <b>( 0%)</b>	0.0/98 <b>( 0%)</b>	0.0/467	-/178	0.0/140	0.0/120	0.0/438
1955	-/102	2.7/156 <b>( 2%)</b>	0.7/107 <b>(0.7%)</b>	3.5/365	-/84	0.0/115	0.0/129	0.0/328
1960	-/77	9.2/165 <b>( 6%)</b>	3.4/135 <b>( 2%)</b>	13/378	-/57	0.0/114	0.0/159	0.0/329
1965	-/56	13/169 <b>( 8%)</b>	6.6/153 <b>( 4%)</b>	19/379	-/37	1.9/111 <b>( 2%)</b>	1.2/174 <b>(0.7%)</b>	3.2/322
1970	-/49	17/170 <b>(10%)</b>	12/169 <b>( 7%)</b>	29/388	-/30	2.7/111 <b>( 2%)</b>	2.6/185 <b>( 1%)</b>	5.3/325
1975	-/38	18/156 <b>(11%)</b>	18/184 <b>(10%)</b>	36/378	-/24	3.1/101 <b>( 3%)</b>	5.2/200 <b>( 3%)</b>	8.3/324
1980	-/28	20/154 <b>(13%)</b>	26/209 <b>(13%)</b>	47/391	-/16	3.7/95 <b>( 4%)</b>	9.7/221 <b>( 4%)</b>	13/332
1985	-/22	22/157 <b>(14%)</b>	35/229 <b>(15%)</b>	57/408	-/12	3.8/90 <b>( 4%)</b>	12/242 <b>( 5%)</b>	16/345
1990	-/19	27/168 <b>(16%)</b>	42/257 <b>(16%)</b>	68/444	-/10	3.6/88 <b>( 4%)</b>	16/278 <b>( 6%)</b>	19/377
1995	-/18	31/188 <b>(16%)</b>	53/296 <b>(18%)</b>	84/501	-/9.7	4.4/91 <b>( 5%)</b>	20/320 <b>( 6%)</b>	25/421
2000	-/15	29/184 <b>(16%)</b>	61/327 <b>(19%)</b>	90/526	-/8.1	4.2/85 <b>( 5%)</b>	20/343 <b>( 6%)</b>	24/436

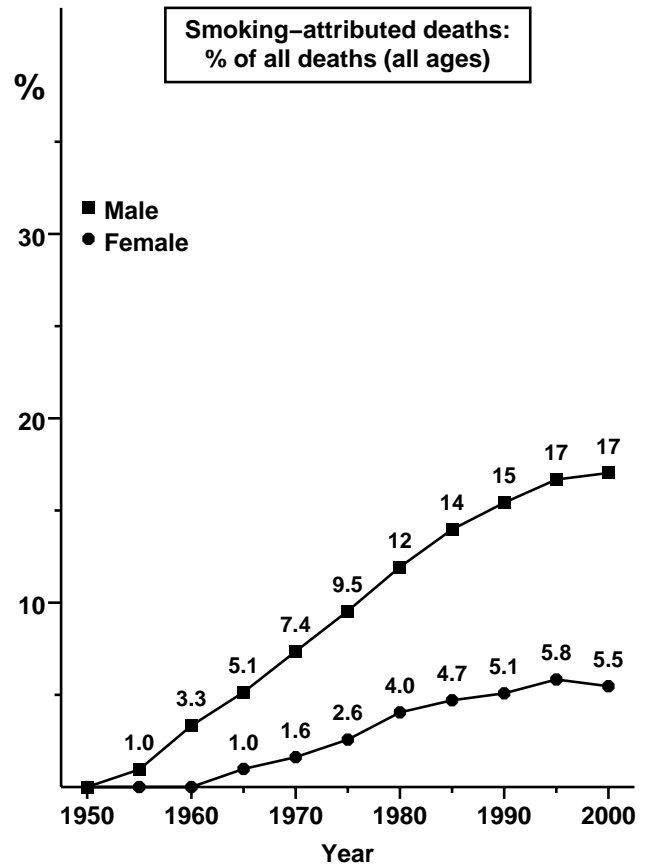
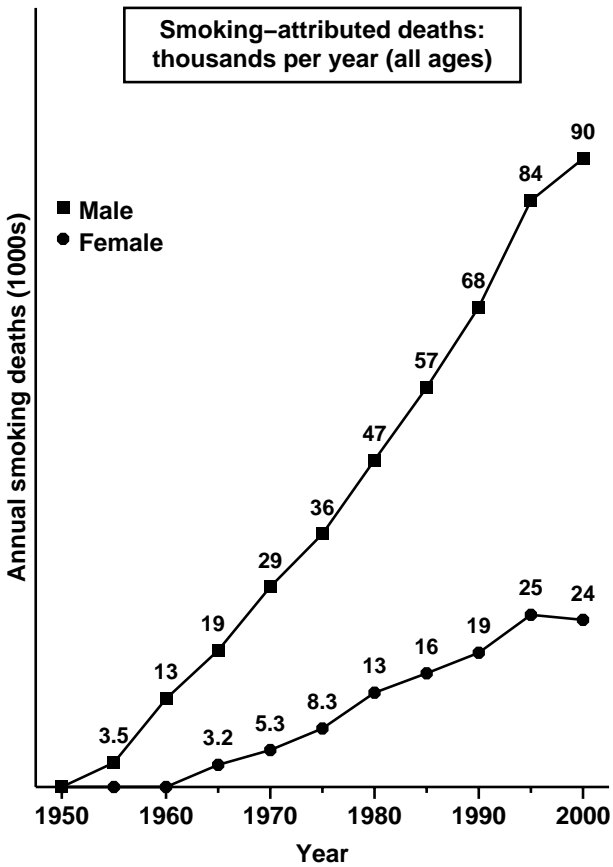
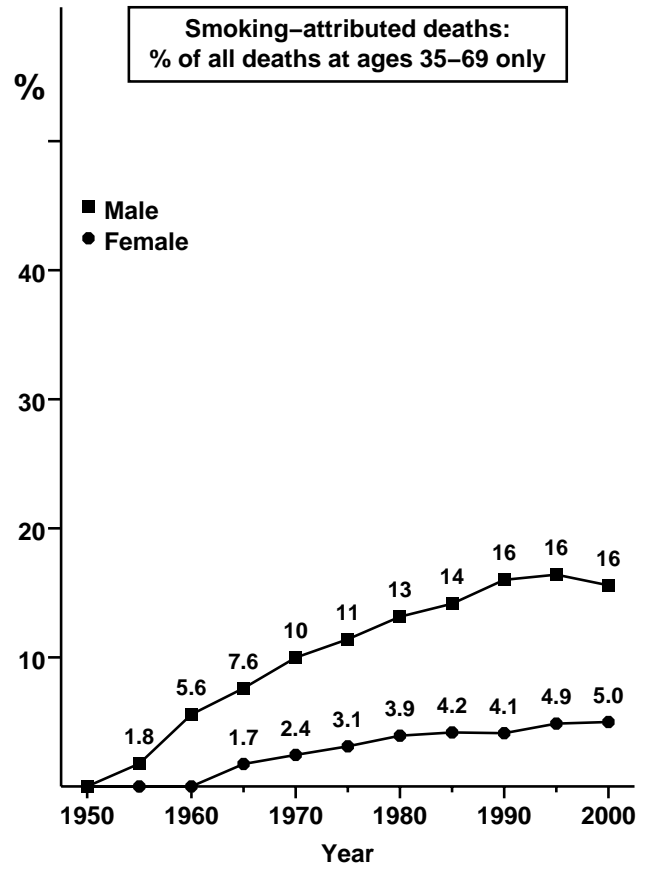
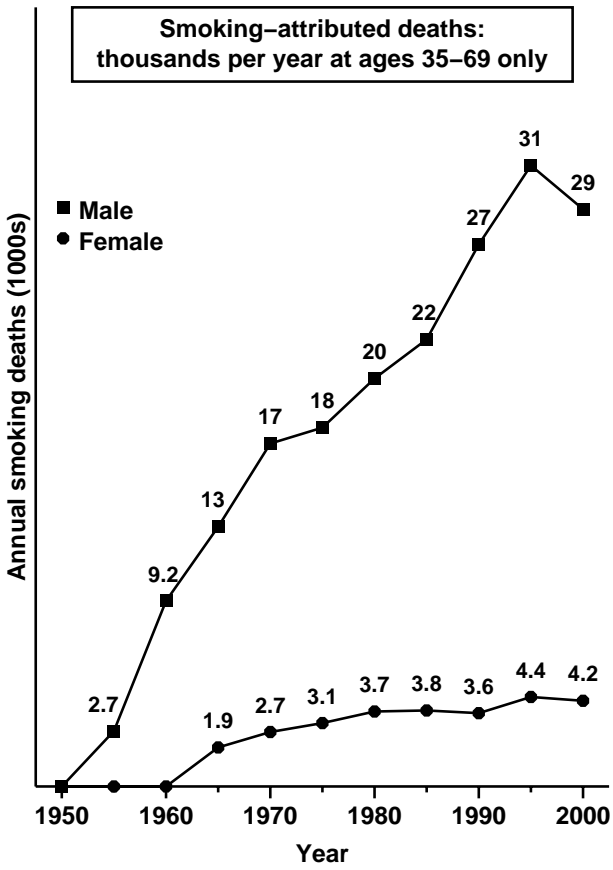
**50-year total\* (M=millions), mid-1950 to mid-2000: 2.5/ 38M**

**1950-2000 by age & sex:**

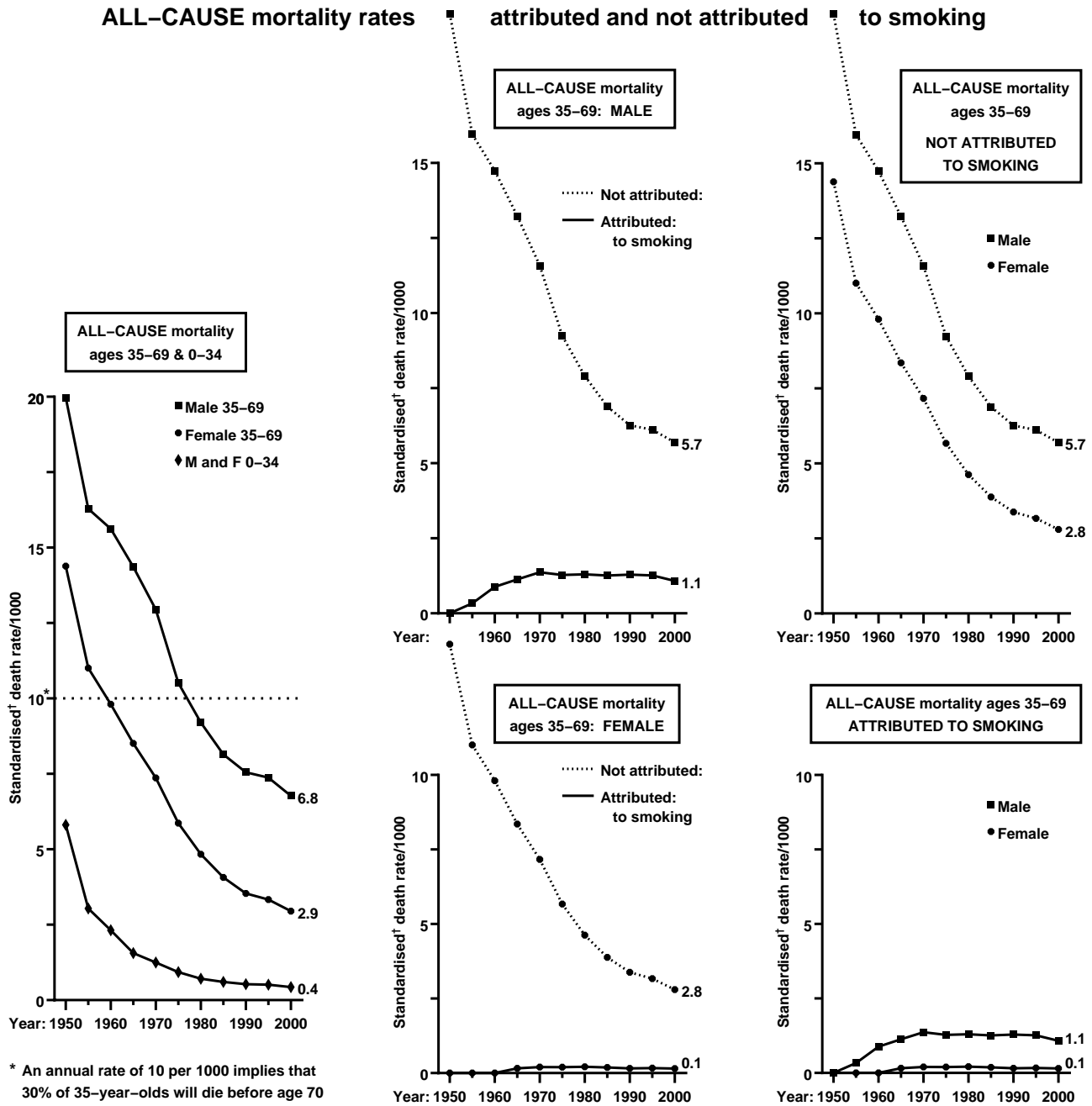
-/2.4M	0.9/8.3M <b>(10%)</b>	1.1/9.7M <b>(12%)</b>	2.0/20M	-/1.7M	0.1/5.1M <b>( 3%)</b>	0.4/11M <b>( 4%)</b>	0.5/17M
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: JAPAN



**JAPAN: 1950-2000**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

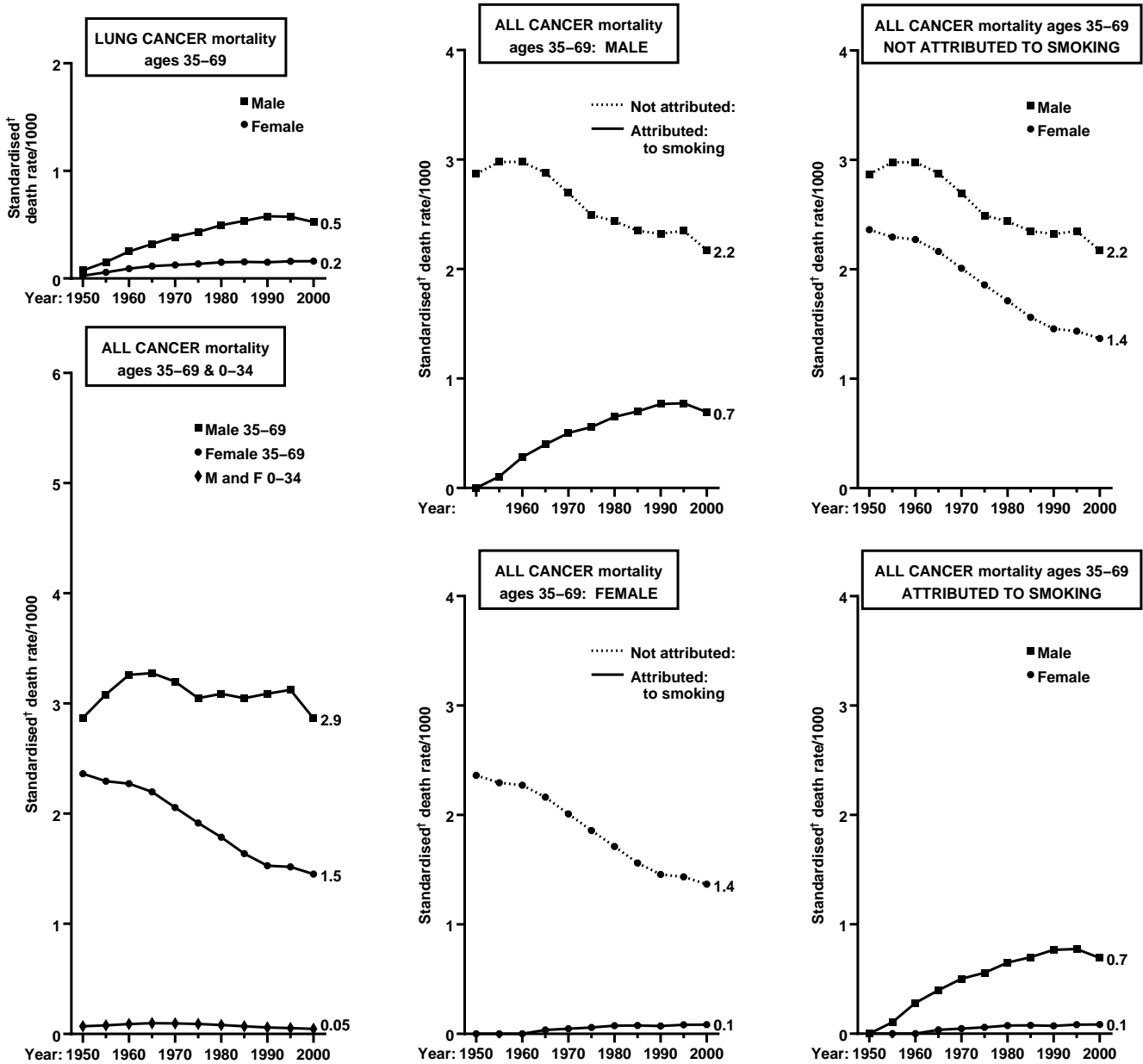
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	6.04	0.00	20.0	0.00	96.0	-	5.57	0.00	14.4	0.00	71.1	-	2.76	0.00	11.0	0.00	62.8
1955	-	3.31	0.33	16.0	0.61	86.4	-	1.98	0.00	9.80	0.00	63.8	-	1.26	0.16	8.35	0.50	58.3
1960	-	2.64	0.88	14.7	2.37	88.0	-	0.96	0.20	7.16	0.84	51.1	-	0.72	0.20	5.67	1.30	42.2
1965	-	1.86	1.13	13.2	4.00	83.4	-	0.53	0.21	4.62	1.84	34.5	-	0.44	0.19	3.88	1.70	27.1
1970	-	1.52	1.36	11.6	5.73	73.1	-	0.38	0.15	3.38	1.62	22.9	-	0.38	0.15	3.17	1.52	20.1
1975	-	1.13	1.28	9.24	7.29	59.7	-	0.31	0.16	3.17	1.52	20.1	-	0.31	0.15	2.80	1.15	16.5
1980	-	0.88	1.30	7.90	8.34	51.5	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5
1985	-	0.76	1.26	6.88	8.58	42.0	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5
1990	-	0.67	1.29	6.26	8.40	37.2	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5
1995	-	0.64	1.26	6.11	8.70	34.1	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5
2000	-	0.55	1.08	5.69	7.95	29.7	-	0.31	0.15	2.80	1.15	16.5	-	0.31	0.15	2.80	1.15	16.5

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: JAPAN

ALL CANCER mortality rates attributed and not attributed to smoking



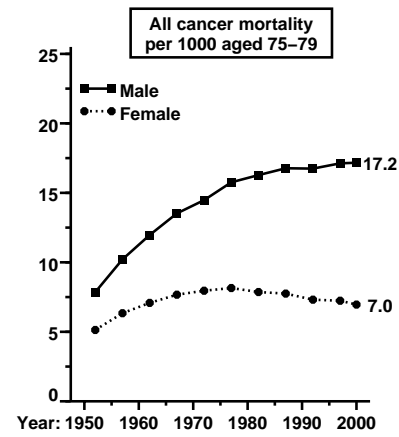
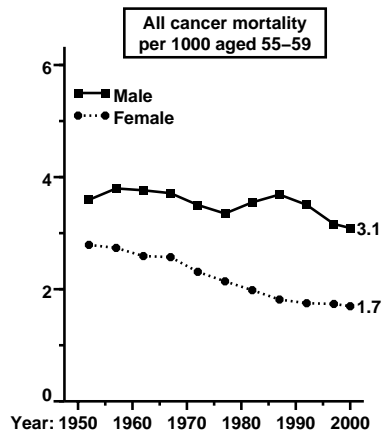
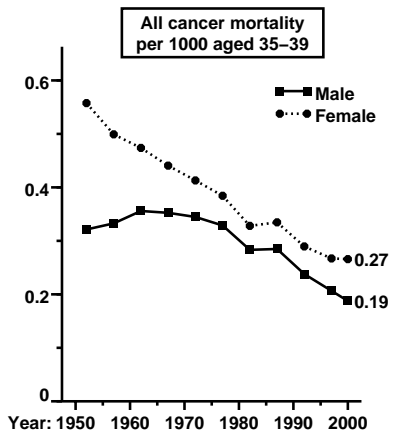
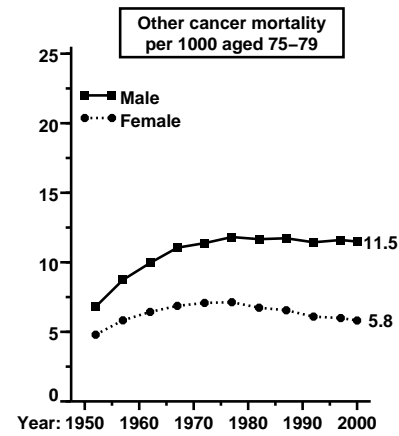
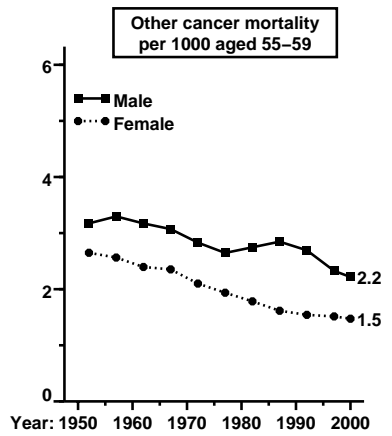
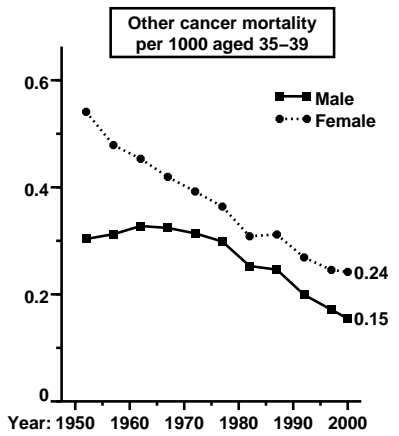
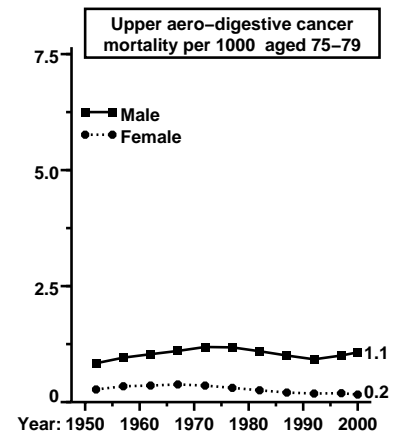
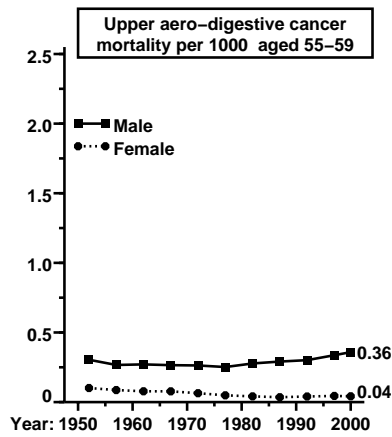
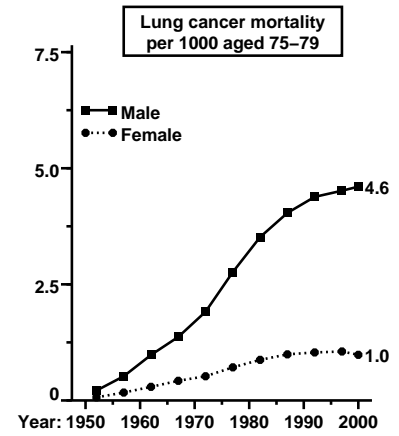
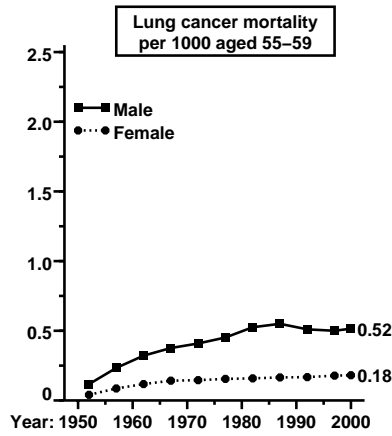
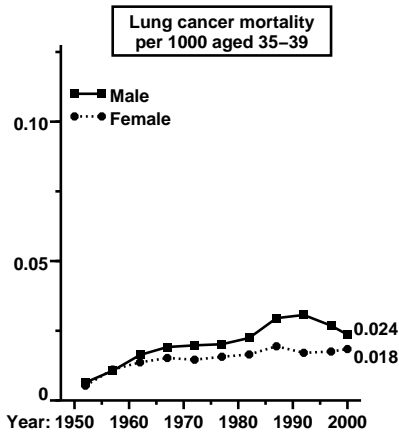
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	0.06	0.00	2.87	0.00	7.41	-	0.08	0.00	2.36	0.00	4.70	-	0.08	0.00	5.87
1955	-	0.07	0.10	2.98	0.17	9.22	-	0.08	0.00	2.29	0.00	6.67	-	0.09	0.00	6.67
1960	-	0.09	0.28	2.98	0.74	10.5	-	0.10	0.03	2.16	0.10	6.87	-	0.09	0.05	6.91
1965	-	0.10	0.40	2.88	1.35	10.9	-	0.10	0.03	2.16	0.10	6.87	-	0.09	0.05	6.91
1970	-	0.10	0.50	2.70	1.91	10.8	-	0.09	0.03	2.16	0.10	6.87	-	0.09	0.05	6.91
1975	-	0.09	0.56	2.49	2.90	10.6	-	0.09	0.06	1.86	0.32	6.68	-	0.09	0.06	6.68
1980	-	0.08	0.65	2.44	3.84	10.6	-	0.08	0.07	1.71	0.57	6.60	-	0.08	0.07	6.60
1985	-	0.07	0.70	2.35	4.41	10.1	-	0.07	0.08	1.56	0.62	6.13	-	0.07	0.08	6.13
1990	-	0.06	0.77	2.32	4.62	9.58	-	0.06	0.07	1.46	0.67	5.70	-	0.06	0.07	5.70
1995	-	0.06	0.77	2.35	5.03	10.1	-	0.05	0.08	1.43	0.68	5.55	-	0.05	0.08	5.55
2000	-	0.05	0.69	2.17	5.05	9.85	-	0.04	0.08	1.37	0.60	5.29	-	0.04	0.08	5.29

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**JAPAN: 1950-2000**

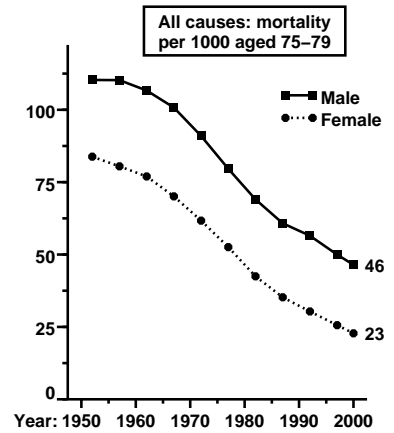
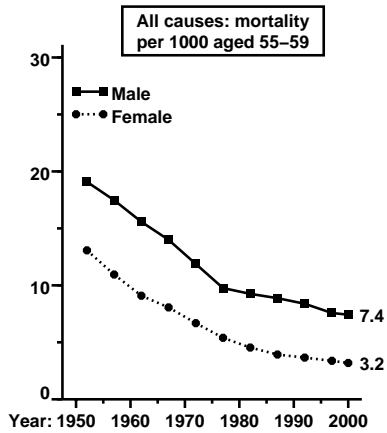
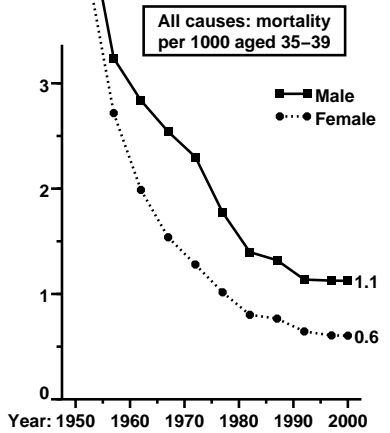
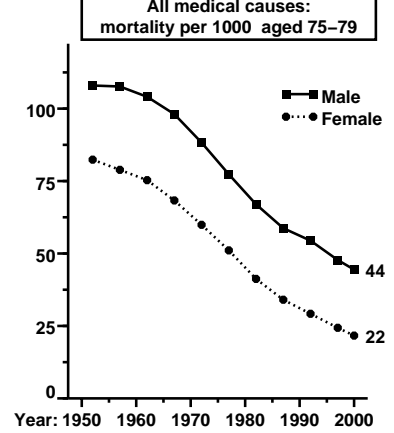
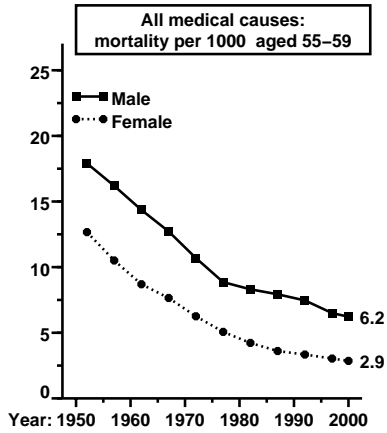
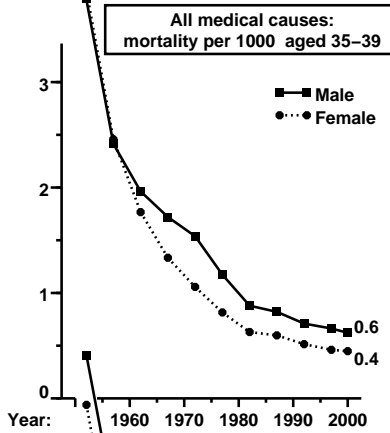
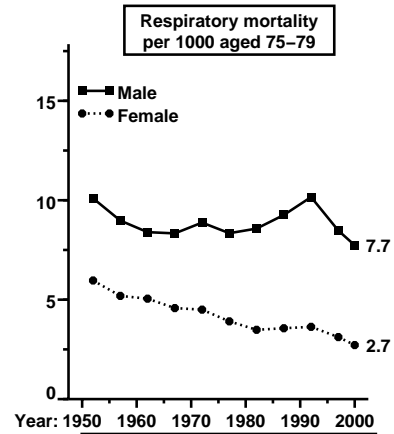
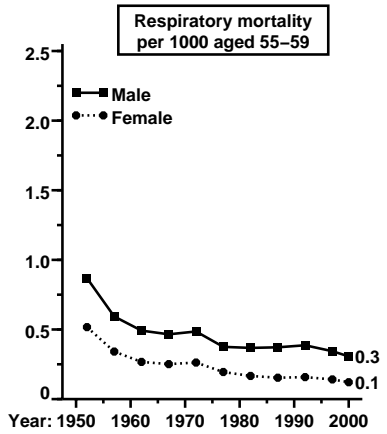
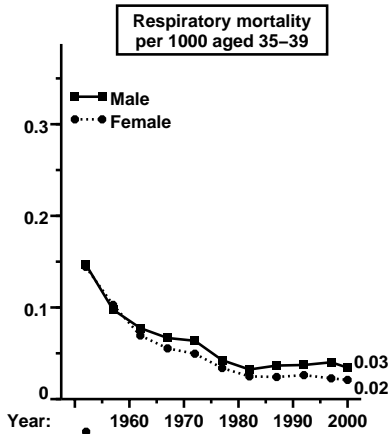
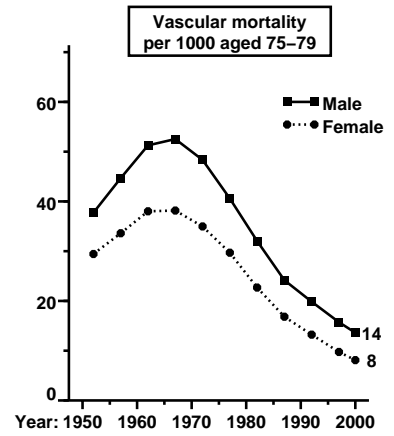
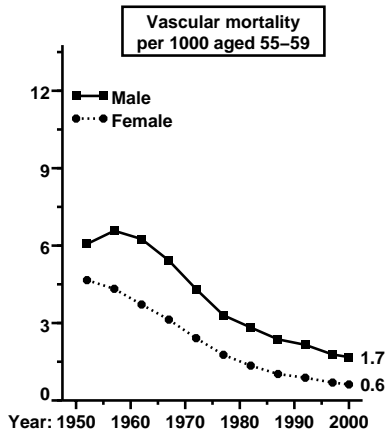
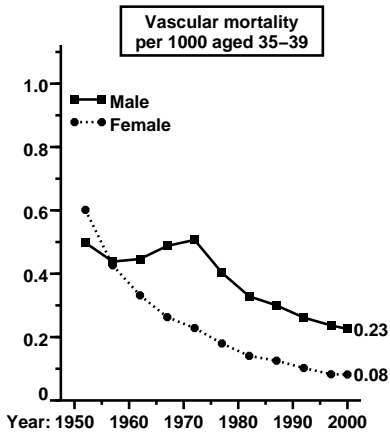
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

1950-2000: JAPAN

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

## LATVIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	16155	1088	8848	1655.2	206.5	2138.2	287.1	55.1	35.6	123.2	258.0	291.1	395.4
	F	16050	373	4107	765.9	79.2	742.1	223.9	21.5	27.5	37.8	62.0	79.8	102.1
Tuberculosis	M	242	15	196	23.0	2.7	42.7	-	-	-	-	-	6.0	12.8
	F	54	7	33	3.7	1.2	5.8	-	-	-	-	-	3.7	5.0
HIV	M	2	1	1	0.2	0.2	0.2	-	-	-	-	-	1.2	-
	F	1	1	-	0.1	0.2	-	-	-	-	-	1.3	-	-
Other infective and parasitic	M	37	6	21	3.6	1.3	4.8	4.0	-	-	-	-	2.4	2.6
	F	47	12	15	3.4	2.9	2.7	12.8	1.4	1.1	1.1	-	3.7	-
ALL CANCER	M	3001	51	1773	293.9	9.2	452.6	4.0	9.6	6.3	5.5	6.1	7.2	25.7
	F	2568	38	1175	137.4	6.8	212.3	2.1	2.9	8.8	-	2.5	9.8	21.4
Mouth and pharynx cancer	M	120	-	90	11.6	-	22.6	-	-	-	-	-	-	-
	F	17	-	7	0.9	-	1.3	-	-	-	-	-	-	-
Oesophagus cancer	M	84	-	64	7.9	-	15.6	-	-	-	-	-	-	-
	F	10	-	4	0.5	-	0.7	-	-	-	-	-	-	-
Stomach cancer	M	315	4	201	31.0	0.7	50.7	-	-	-	-	-	1.2	3.9
	F	270	3	107	13.7	0.5	19.4	-	-	-	-	-	1.2	2.5
Colorectal cancer	M	263	1	123	27.1	0.2	31.8	-	-	-	-	-	-	1.3
	F	340	2	122	16.5	0.4	22.3	-	-	-	-	-	1.2	1.3
Liver cancer	M	79	1	48	7.6	0.2	12.3	-	-	-	-	-	1.2	-
	F	50	-	19	2.6	-	3.4	-	-	-	-	-	-	-
Pancreas cancer	M	163	-	109	15.8	-	26.9	-	-	-	-	-	-	-
	F	164	3	58	8.2	0.5	10.6	-	-	-	-	-	1.2	2.5
Larynx cancer	M	84	-	65	7.8	-	16.4	-	-	-	-	-	-	-
	F	5	-	4	0.3	-	0.8	-	-	-	-	-	-	-
Lung cancer	M	870	4	575	82.2	0.7	148.7	-	-	-	-	1.2	-	3.9
	F	169	2	65	8.7	0.4	11.8	-	-	-	-	-	-	2.5
Malignant melanoma	M	31	-	17	2.9	-	4.4	-	-	-	-	-	-	-
	F	64	1	35	3.6	0.2	6.2	-	-	-	-	-	-	1.3
Female breast cancer	F	413	1	268	25.1	0.2	48.0	-	-	-	-	-	-	1.3
Cervix cancer	F	117	4	76	7.3	0.7	13.3	-	-	-	-	-	2.5	2.5
Other uterine cancer	F	134	-	68	7.0	-	12.4	-	-	-	-	-	-	-
Ovarian cancer	F	159	1	87	8.9	0.2	15.8	-	-	-	-	-	1.2	-
Prostate cancer	M	233	-	78	24.6	-	20.8	-	-	-	-	-	-	-
Bladder cancer	M	140	-	52	15.0	-	13.5	-	-	-	-	-	-	-
	F	47	-	10	2.1	-	1.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	431	18	252	41.8	3.4	63.6	4.0	1.4	3.1	1.1	3.7	1.2	9.0
	F	420	11	176	22.1	1.9	32.0	2.1	-	7.7	-	-	1.2	2.5
Hodgkin's disease	M	12	5	5	1.1	0.9	1.3	-	-	-	1.1	1.2	1.2	2.6
	F	10	1	4	0.6	0.2	0.7	-	-	-	-	1.3	-	-
Myeloma and non-Hodgkin lymphomas	M	79	8	46	7.9	1.4	11.4	-	1.4	-	2.2	-	2.4	3.9
	F	79	1	34	4.1	0.2	6.2	-	-	-	-	-	-	1.3
Leukaemia	M	97	10	48	9.6	1.8	12.6	-	6.9	3.1	1.1	-	-	1.3
	F	100	8	31	5.2	1.5	5.6	-	2.9	1.1	-	1.3	1.2	3.8
Diabetes	M	84	4	49	8.2	0.7	12.0	-	-	-	-	1.2	2.4	1.3
	F	151	-	72	7.9	-	13.1	-	-	-	-	-	-	-
ALL VASCULAR DISEASE	M	7710	86	3644	822.6	15.3	919.8	2.0	-	3.1	5.5	19.7	27.8	48.8
	F	10156	18	1752	437.7	3.3	319.8	2.1	-	-	-	2.5	9.8	8.8
Rheumatic heart disease and fever	M	54	2	42	5.0	0.4	9.8	-	-	-	-	-	-	2.6
	F	70	-	37	3.7	-	6.6	-	-	-	-	-	-	-
Hypertensive disease	M	31	-	20	3.2	-	5.1	-	-	-	-	-	-	-
	F	43	-	15	2.1	-	2.8	-	-	-	-	-	-	-
Ischaemic heart disease	M	4492	16	2196	477.0	2.9	554.9	-	-	-	-	2.5	7.2	10.3
	F	5164	3	805	218.1	0.5	147.5	-	-	-	-	-	2.5	1.3
Pulmonary embolism and other venous	M	37	-	21	3.9	-	5.6	-	-	-	-	-	-	-
	F	42	-	20	2.3	-	3.7	-	-	-	-	-	-	-
Cerebrovascular disease	M	2271	10	887	249.8	1.7	232.2	-	-	2.1	1.1	-	1.2	7.7
	F	4143	1	661	177.0	0.2	121.2	-	-	-	-	-	1.2	-
Other vascular disease	M	825	58	478	83.7	10.3	112.2	2.0	-	1.0	4.4	17.2	19.3	28.2
	F	694	14	214	34.5	2.6	38.1	2.1	-	-	-	2.5	6.1	7.6
Chronic obstructive pulmonary disease	M	215	3	109	22.0	0.5	29.0	-	-	-	-	1.2	1.2	1.3
	F	117	1	26	5.3	0.2	4.7	-	-	-	-	-	1.2	-
Other respiratory disease	M	339	20	254	33.0	3.8	57.8	4.0	1.4	1.0	2.2	2.5	3.6	11.6
	F	185	4	84	10.3	0.8	14.7	2.1	-	1.1	-	1.3	-	1.3
Peptic ulcer	M	91	1	60	9.1	0.2	13.7	-	-	-	-	-	1.2	-
	F	65	-	7	2.7	-	1.3	-	-	-	-	-	-	-
Liver cirrhosis	M	208	7	176	19.4	1.3	40.9	-	-	-	-	1.2	1.2	6.4
	F	120	4	83	7.6	0.7	14.6	-	-	-	-	-	1.2	3.8
Renal disease	M	102	2	50	10.6	0.4	12.3	-	-	-	-	-	1.2	1.3
	F	130	4	45	6.5	0.8	8.1	2.1	-	1.1	-	2.5	-	-
Pregnancy, birth	F	5	4	1	0.4	0.7	0.2	-	-	-	-	1.3	-	3.8
Congenital and perinatal causes	M	132	117	12	19.0	31.7	2.9	200.8	5.5	1.0	1.1	8.6	1.2	3.9
	F	91	77	10	13.4	22.6	1.7	149.3	1.4	2.2	-	-	2.5	2.5
Ill-defined causes	M	457	29	158	56.2	6.2	36.8	20.1	-	-	2.2	3.7	12.1	5.1
	F	776	15	56	32.2	3.5	10.1	14.9	-	2.2	1.1	-	4.9	1.3
Other medical causes	M	688	51	429	69.1	9.8	99.5	16.1	2.8	2.1	4.4	7.4	15.7	20.5
	F	658	26	279	35.9	5.2	50.4	8.5	4.3	1.1	3.4	5.1	6.1	7.6
ALL NON-MEDICAL CAUSES	M	2847	695	1916	265.4	123.3	413.2	36.1	35.8	22.0	102.3	206.4	206.5	254.2
	F	926	162	469	61.4	30.3	82.6	29.9	11.5	9.9	32.1	45.6	36.8	46.7
Road traffic accidents	M	483	201	255	43.2	35.2	53.3	6.0	8.3	5.2	38.5	74.9	54.3	59.1
	F	150	56	71	10.9	9.8	12.5	-	1.4	5.5	14.9	25.3	11.0	10.1
Fire	M	152	21	116	14.3	4.1	25.8	6.0	4.1	1.0	-	3.7	1.2	12.8
	F	62	9	34	4.1	1.9	6.0	4.3	4.3	-	-	-	3.7	1.3
Suicide	M	618	141	414	57.8	24.5	88.9	-	1.4	4.2	22.0	40.5	45.9	57.8
	F	152	24	82	9.8	4.2	14.3	-	-	1.1	4.6	5.1	9.8	8.8
Homicide	M	217	51	156	20.1	9.2	32.1	4.0	-	-	7.7	11.1	14.5	27.0
	F	80	15	56	6.1	3.0	9.8	6.4	-	1.1	4.6	5.1	1.2	2.5
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
					1087.3	550.8	470.5	49.8	72.6	95.4	90.9	81.4	82.8	77.9
					1285.7	534.7	576.0	46.9	69.8	90.9	87.3	79.0	81.5	79.3



## 2000: LATVIA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
517.6	856.8	1155.3	1869.8	2336.6	3400.7	4830.4	6293.8	8691.4	18855.0	M	ALL CAUSES	001-999/A00-Y89
165.6	252.5	378.2	600.0	811.9	1158.8	1827.6	2930.6	5445.5	12525.0	F		
23.4	39.4	49.9	53.1	47.9	39.7	45.7	48.0	22.9	76.3	M	Tuberculosis	010-018, 137/ A15-A19, B90
4.4	4.4	6.1	7.9	6.3	7.1	4.1	4.2	13.9	7.4	F		
-	1.2	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
-	4.8	2.8	4.8	5.0	9.9	6.5	16.9	11.4	15.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	1.1	2.4	2.6	6.3	2.4	4.1	12.7	7.9	13.0	F		
22.2	58.5	124.8	329.6	506.6	867.5	1258.7	1669.5	1760.0	2122.1	M	ALL CANCER	140-208/C00-C97
38.9	90.4	118.8	181.5	246.2	301.2	508.9	617.6	912.9	849.7	F		
1.2	1.2	4.2	35.4	24.8	41.4	50.0	50.8	34.3	45.8	M	Mouth and pharynx cancer	140-149/C00-C14
-	1.1	-	1.3	1.3	1.2	4.1	2.8	5.9	9.3	F		
-	3.6	12.5	11.3	18.2	31.5	32.6	33.9	34.3	15.3	M	Oesophagus cancer	150/C15
-	-	-	-	-	2.4	2.7	2.8	2.0	5.6	F		
3.5	10.7	18.0	33.8	59.4	94.4	134.8	135.6	182.9	229.0	M	Stomach cancer	151/C16
1.1	9.9	10.9	15.9	15.2	30.6	52.0	58.1	114.9	113.2	F		
1.2	3.6	9.7	40.2	14.9	53.0	100.0	183.6	165.7	343.5	M	Colorectal cancer	153, 154/C18-C21
2.2	5.5	3.6	13.2	24.0	36.5	71.1	83.6	146.5	154.0	F		
1.2	2.4	4.2	6.4	9.9	23.2	39.1	42.4	57.1	38.2	M	Liver cancer	155.0, 155.1/C22
-	1.1	1.2	5.3	3.8	8.2	4.1	18.4	15.8	18.6	F		
2.3	6.0	8.3	22.5	38.0	54.6	56.5	76.3	85.7	91.6	M	Pancreas cancer	157/C25
-	1.1	8.5	5.3	16.4	14.1	28.7	39.7	75.2	68.6	F		
1.2	1.2	6.9	3.2	33.0	28.1	41.3	31.1	34.3	15.3	M	Larynx cancer	161/C32
-	-	-	-	2.5	-	2.7	1.4	-	-	F		
3.5	13.1	29.1	85.2	183.2	289.7	437.0	494.4	417.1	328.2	M	Lung cancer	162/C33, C34
1.1	1.1	6.1	11.9	18.9	17.6	26.0	51.0	77.2	50.1	F		
-	1.2	1.4	1.6	3.3	8.3	15.2	31.1	-	22.9	M	Malignant melanoma	172/C43
2.2	4.4	6.1	2.6	8.8	7.1	12.3	5.7	15.8	29.7	F		
10.0	24.3	41.2	58.3	59.3	63.5	79.3	72.2	103.0	76.1	F	Female breast cancer	174/C50
11.1	13.2	12.1	9.3	11.4	14.1	21.9	12.7	29.7	24.1	F	Cervix cancer	180/C53
-	2.2	2.4	7.9	15.2	23.5	35.6	31.2	37.6	46.4	F	Other uterine cancer	179, 182/C54, C55
1.1	2.2	4.8	15.9	30.3	24.7	31.5	46.7	25.7	46.4	F	Ovarian cancer	183.0/C56
-	-	2.8	6.4	24.8	39.7	71.7	178.0	262.9	351.1	M	Prostate cancer	185/C61
1.2	1.2	2.8	6.4	14.9	24.8	43.5	98.9	114.3	251.9	M	Bladder cancer	188/C67
-	-	1.2	-	1.3	4.7	5.5	11.3	23.8	31.5	F		
4.7	10.7	15.3	59.5	57.8	134.1	163.0	242.9	245.7	244.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
7.8	16.5	14.5	26.5	30.3	35.3	93.0	111.9	178.2	118.7	F		
-	-	1.4	-	3.3	-	4.3	2.8	5.7	-	M	Hodgkin's disease	201/C81
-	1.1	1.2	-	-	1.2	1.4	1.4	5.9	1.9	F		
1.2	-	6.9	8.0	9.9	29.8	23.9	19.8	51.4	68.7	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	3.3	2.4	5.3	3.8	8.2	20.5	26.9	21.8	26.0	F	Leukaemia	204-208/C91-C95
1.2	3.6	1.4	9.6	11.6	14.9	45.7	48.0	68.6	76.3	M		
2.2	3.3	2.4	2.6	3.8	8.2	16.4	39.7	33.7	29.7	F		
3.5	4.8	8.3	9.6	9.9	14.9	32.6	42.4	51.4	53.4	M	Diabetes	250/E10-E14
3.3	1.1	3.6	10.6	11.4	23.5	38.3	42.5	57.4	37.1	F		
92.5	190.9	349.5	644.7	981.8	1629.1	2550.0	3596.0	5640.0	13129.8	M	ALL VASCULAR DISEASE	390-459/I00-I99
26.7	58.4	99.4	197.4	311.9	569.4	975.4	1882.4	3800.0	9532.5	F		
5.9	4.8	5.5	6.4	14.9	11.6	19.6	22.6	-	15.3	M	Rheumatic heart disease and fever	390-398/I00-I09
-	2.2	1.2	2.6	10.1	17.6	12.3	24.1	15.8	14.8	F		
-	2.4	1.4	1.6	9.9	5.0	15.2	2.8	28.6	38.2	M	Hypertensive disease	401-405/I10-I15
-	-	-	2.6	5.1	2.4	9.6	9.9	13.9	26.0	F		
41.0	107.4	195.6	379.4	618.8	1038.1	1504.3	2138.4	3114.3	7465.6	M	Ischaemic heart disease	410-414/I20-I25
5.6	14.3	26.7	60.9	135.1	291.8	497.9	964.6	1879.2	5057.5	F		
1.2	-	-	8.0	5.0	3.3	21.7	14.1	28.6	45.8	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
-	-	3.6	6.6	3.8	4.7	6.8	7.1	13.9	18.6	F		
4.7	19.1	66.6	128.6	222.8	413.9	769.6	1138.4	2028.6	4702.3	M	Cerebrovascular disease	430-438/I60-I69
5.6	16.5	36.4	79.5	125.0	201.2	384.4	787.5	1708.9	3825.6	F		
39.8	57.3	80.4	120.6	110.6	157.3	219.6	279.7	440.0	862.6	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
15.6	25.4	31.5	45.0	32.8	51.8	64.3	89.2	168.3	590.0	F		
-	-	5.5	11.3	33.0	51.3	102.2	113.0	165.7	259.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.1	-	2.4	1.3	7.6	8.2	12.3	31.2	49.5	79.8	F		
21.1	32.2	51.3	64.3	79.2	82.8	73.9	76.3	91.4	167.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
5.6	11.0	17.0	10.6	20.2	22.4	16.4	24.1	49.5	102.0	F		
1.2	11.9	16.6	12.9	16.5	14.9	21.7	39.5	34.3	76.3	M	Peptic ulcer	531-533/K25-K27
-	-	-	2.6	1.3	1.2	4.1	14.2	25.7	64.9	F		
11.7	26.3	29.1	45.0	36.3	66.2	71.7	33.9	62.9	15.3	M	Liver cirrhosis	571/K70, K74
6.7	7.7	8.5	13.2	22.7	27.1	16.4	17.0	25.7	14.8	F		
5.9	1.2	9.7	11.3	5.0	18.2	34.8	53.7	74.3	137.4	M	Renal disease	580-590/N00-N19
1.1	-	3.6	7.9	3.8	20.0	20.5	26.9	51.5	66.8	F		
1.1	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
2.3	-	1.4	4.8	1.7	3.3	6.5	2.8	5.7	7.6	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.1	2.2	-	2.6	2.5	3.5	-	1.4	-	5.6	F	Ill-defined causes	780-799/R00-R99
14.1	19.1	26.4	45.0	47.9	39.7	65.2	73.4	194.3	1603.1	M		
3.3	1.1	6.1	6.6	17.7	15.3	20.5	42.5	112.9	1146.6	F		
34.0	68.0	69.3	96.5	117.2	129.1	182.6	220.3	280.0	618.3	M	Other medical causes	Rest of 001-799/ rest of A00-R99
12.2	17.6	35.2	58.3	51.8	68.2	109.4	116.1	198.0	317.3	F		
285.7	398.6	410.5	537.0	448.8	433.8	378.3	307.9	297.1	572.5	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
60.0	57.3	75.2	96.7	102.3	89.4	97.1	97.7	140.6	287.6	F		
53.9	65.6	52.7	56.3	56.1	44.7	43.5	53.7	34.3	15.3	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
15.6	4.4	12.1	9.3	15.2	11.8	19.2	9.9	17.8	13.0	F		
9.4	23.9	22.2	37.0	21.5	36.4	30.4	31.1	22.9	-	M	Fire	E890-E899/X00-X09
3.3	4.4	2.4	4.0	8.8	8.2	10.9	2.8	13.9	18.6	F		
63.2	90.7	97.1	104.5	105.6	76.2	84.8	73.4	74.3	183.2	M	Suicide	E950-E959/X60-X84
11.1	13.2	9.7	11.9	16.4	20.0	17.8	21.2	19.8	39.0	F		
31.6	39.4	43.0	38.6	31.4	23.2	17.4	11.3	11.4	30.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
10.0	5.5	10.9	15.9	6.3	10.6	9.6	4.2	7.9	3.7	F		
85.4	83.8	72.1	62.2	60.6	60.4	46.0	35.4	17.5	13.1	M	POPULATION	
90.0	90.7	82.5	75.5	79.2	85.0	73.1	70.6	50.5	53.9	F	(1000s; UN, 2004 revision)	

## LATVIA: 1995, 2000

## Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1749	57	1	0	56	5	43	150	6	354	1134
35-69	Sm.	3874	1019	630	165	224	140	178	2073	-	464	-
	Total	12037 (32%)	1951 (52%)	666 (95%)	227 (73%)	1058 (21%)	170 (82%)	444 (40%)	5485 (38%)	225	1142 (41%)	2620
70+	Sm.	1095	343	222	34	87	113	12	535	-	92	-
	Total	6557 (17%)	970 (35%)	244 (91%)	58 (59%)	668 (13%)	154 (73%)	89 (13%)	4303 (12%)	27	780 (12%)	234
Any age	Sm.	4969	1362	852	199	311	253	190	2608	-	556	-
	Total	20343 (24%)	2978 (46%)	911 (94%)	285 (70%)	1782 (17%)	329 (77%)	576 (33%)	9938 (26%)	258	2276 (24%)	3988
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1088	51	4	0	47	3	20	86	7	226	695
35-69	Sm.	2663	886	543	153	190	90	94	1242	-	351	-
	Total	8848 (30%)	1773 (50%)	575 (94%)	219 (70%)	979 (19%)	109 (83%)	254 (37%)	3644 (34%)	176	976 (36%)	1916
70+	Sm.	1066	413	266	43	104	74	9	494	-	76	-
	Total	6219 (17%)	1177 (35%)	291 (91%)	69 (62%)	817 (13%)	103 (72%)	65 (14%)	3980 (12%)	25	633 (12%)	236
Any age	Sm.	3729	1299	809	196	294	164	103	1736	-	427	-
	Total	16155 (23%)	3001 (43%)	870 (93%)	288 (68%)	1843 (16%)	215 (76%)	339 (30%)	7710 (23%)	208	1835 (23%)	2847

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Male death rates used for calculations: ICD codes as on previous page

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	1150.7	607.5	484.6	90.3	80.0	67.0	69.6	70.1	58.8	48.8	27.4	13.5	17.7
2000	1087.3	550.8	470.5	85.4	83.8	72.1	62.2	60.6	60.4	46.0	35.4	17.5	13.1
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	20343	1749	12037	752	1021	1256	1780	2219	2412	2597	1941	1397	3219
2000	16155	1088	8848	442	718	833	1163	1416	2054	2222	2228	1521	2470
<b>Lung cancer</b>													
1995	911	1	666	3	10	30	71	146	193	213	122	67	55
2000	870	4	575	3	11	21	53	111	175	201	175	73	43
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1998.2*	296.3*	2732.9*	832.8	1276.3	1874.6	2557.5	3165.5	4102.0	5321.7	7083.9	10348.1	18186.4
2000	1655.2*	206.5*	2138.2*	517.6	856.8	1155.3	1869.8	2336.6	3400.7	4830.4	6293.8	8691.4	18855.0
<b>All cancer</b>													
1995	292.1*	9.6*	470.4*	19.9	77.5	192.5	316.1	580.6	872.4	1233.6	1547.4	1888.9	1644.1
2000	293.9*	9.2*	452.6*	22.2	58.5	124.8	329.6	506.6	867.5	1258.7	1669.5	1760.0	2122.1
<b>Lung cancer</b>													
1995	87.3*	0.2*	162.2*	3.3	12.5	44.8	102.0	208.3	328.2	436.5	445.3	496.3	310.7
2000	82.2*	0.7*	148.7*	3.5	13.1	29.1	85.2	183.2	289.7	437.0	494.4	417.1	328.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	27.1*	-	53.1*	2.2	15.0	28.4	41.7	78.5	95.2	110.7	113.1	133.3	50.8
2000	27.3*	-	54.6*	2.3	6.0	23.6	49.8	75.9	101.0	123.9	115.8	102.9	76.3
<b>Other cancer</b>													
1995	177.7*	9.4*	255.1*	14.4	50.0	119.4	172.4	293.9	449.0	686.5	989.1	1259.3	1282.5
2000	184.3*	8.5*	249.2*	16.4	39.4	72.1	194.5	247.5	476.8	697.8	1059.3	1240.0	1717.6
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	33.3*	0.8*	41.9*	3.3	3.8	6.0	21.6	45.6	91.8	120.9	215.3	244.4	350.3
2000	22.0*	0.5*	29.0*	-	-	5.5	11.3	33.0	51.3	102.2	113.0	165.7	259.5
<b>Other respiratory disease</b>													
1995	54.4*	7.4*	96.8*	36.5	67.5	82.1	136.5	99.9	125.9	129.1	116.8	140.7	214.7
2000	33.0*	3.8*	57.8*	21.1	32.2	51.3	64.3	79.2	82.8	73.9	76.3	91.4	167.9
<b>Vascular disease</b>													
1995	1008.1*	24.1*	1285.1*	220.4	396.3	691.0	1080.5	1482.2	2137.8	2987.7	4240.9	6666.7	12661.0
2000	822.6*	15.3*	919.8*	92.5	190.9	349.5	644.7	981.8	1629.1	2550.0	3596.0	5640.0	13129.8
<b>Liver cirrhosis</b>													
1995	23.9*	1.0*	48.8*	17.7	40.0	38.8	54.6	62.8	68.0	59.4	47.4	66.7	28.2
2000	19.4*	1.3*	40.9*	11.7	26.3	29.1	45.0	36.3	66.2	71.7	33.9	62.9	15.3
<b>Other medical causes</b>													
1995	230.9*	66.2*	245.7*	118.5	178.8	270.1	275.9	311.0	248.3	317.6	551.1	1014.8	2779.7
2000	199.0*	53.1*	224.8*	84.3	150.4	184.5	237.9	250.8	269.9	395.7	497.2	674.3	2587.8
<b>All non-medical causes</b>													
1995	355.4*	187.3*	544.3*	416.4	512.5	594.0	672.4	583.5	557.8	473.4	365.0	325.9	508.5
2000	265.4*	123.3*	413.2*	285.7	398.6	410.5	537.0	448.8	433.8	378.3	307.9	297.1	572.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: LATVIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	584	56	1	1	54	4	36	33	4	233	218
35-69	Sm.	197	43	34	4	5	14	3	116	-	21	-
	Total	5616 (4%)	1340 (3%)	89 (38%)	28 (14%)	1223 (0%)	53 (26%)	106 (3%)	2668 (4%)	154	601 (3%)	694
70+	Sm.	216	38	31	1	6	29	1	127	-	21	-
	Total	12388 (2%)	1102 (3%)	78 (40%)	16 (6%)	1008 (1%)	117 (25%)	84 (1%)	9102 (1%)	35	1654 (1%)	294
Any age	Sm.	413	81	65	5	11	43	4	243	-	42	-
	Total	18588 (2%)	2498 (3%)	168 (39%)	45 (11%)	2285 (0%)	174 (25%)	226 (2%)	11803 (2%)	193	2488 (2%)	1206
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	373	38	2	0	36	1	4	18	4	146	162
35-69	Sm.	76	19	16	0	3	3	2	38	-	14	-
	Total	4107 (2%)	1175 (2%)	65 (25%)	15 (0%)	1095 (0%)	26 (12%)	84 (2%)	1752 (2%)	83	518 (3%)	469
70+	Sm.	348	68	53	4	11	35	3	210	-	32	-
	Total	11570 (3%)	1355 (5%)	102 (52%)	17 (24%)	1236 (1%)	90 (39%)	97 (3%)	8386 (3%)	33	1314 (2%)	295
Any age	Sm.	424	87	69	4	14	38	5	248	-	46	-
	Total	16050 (3%)	2568 (3%)	169 (41%)	32 (13%)	2367 (1%)	117 (32%)	185 (3%)	10156 (2%)	120	1978 (2%)	926

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	1347.3	595.0	598.0	95.0	87.2	77.1	84.2	90.4	80.4	83.7	64.0	32.1	58.2
2000	1285.7	534.7	576.0	90.0	90.7	82.5	75.5	79.2	85.0	73.1	70.6	50.5	53.9
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	18588	584	5616	218	339	468	652	1043	1149	1747	2328	2032	8028
2000	16050	373	4107	149	229	312	453	643	985	1336	2069	2750	6751
<b>Lung cancer</b>													
1995	168	1	89	1	3	3	4	16	29	33	32	17	29
2000	169	2	65	1	1	5	9	15	15	19	36	39	27
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	930.6*	105.3*	952.8*	229.5	388.8	607.0	774.3	1153.8	1429.1	2087.2	3637.5	6330.2	13793.8
2000	765.9*	79.2*	742.1*	165.6	252.5	378.2	600.0	811.9	1158.8	1827.6	2930.6	5445.5	12525.0
<b>All cancer</b>													
1995	142.3*	9.6*	227.9*	46.3	74.5	160.8	192.4	278.8	364.4	477.9	651.6	794.4	738.8
2000	137.4*	6.8*	212.3*	38.9	90.4	118.8	181.5	246.2	301.2	508.9	617.6	912.9	849.7
<b>Lung cancer</b>													
1995	9.0*	0.2*	15.2*	1.1	3.4	3.9	4.8	17.7	36.1	39.4	50.0	53.0	49.8
2000	8.7*	0.4*	11.8*	1.1	1.1	6.1	11.9	18.9	17.6	26.0	51.0	77.2	50.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.5*	0.2*	4.7*	-	-	-	4.8	6.6	7.5	14.3	12.5	3.1	12.0
2000	1.6*	-	2.8*	-	1.1	-	1.3	3.8	3.5	9.6	7.1	7.9	14.8
<b>Other cancer</b>													
1995	130.9*	9.2*	208.0*	45.3	71.1	156.9	182.9	254.4	320.9	424.1	589.1	738.3	677.0
2000	127.0*	6.4*	197.7*	37.8	88.2	112.7	168.2	223.5	280.0	473.3	559.5	827.7	784.8
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	8.5*	0.7*	9.0*	1.1	1.1	2.6	1.2	14.4	18.7	23.9	48.4	71.7	108.2
2000	5.3*	0.2*	4.7*	1.1	-	2.4	1.3	7.6	8.2	12.3	31.2	49.5	79.8
<b>Other respiratory disease</b>													
1995	14.4*	6.5*	17.8*	11.6	18.3	19.5	9.5	23.2	23.6	19.1	39.1	34.3	82.5
2000	10.3*	0.8*	14.7*	5.6	11.0	17.0	10.6	20.2	22.4	16.4	24.1	49.5	102.0
<b>Vascular disease</b>													
1995	540.9*	5.2*	453.7*	49.5	105.5	192.0	325.4	531.0	732.6	1240.1	2443.8	4554.5	10439.9
2000	437.7*	3.3*	319.8*	26.7	58.4	99.4	197.4	311.9	569.4	975.4	1882.4	3800.0	9532.5
<b>Liver cirrhosis</b>													
1995	12.5*	0.6*	26.0*	8.4	11.5	23.3	19.0	46.5	39.8	33.5	21.9	34.3	17.2
2000	7.6*	0.7*	14.6*	6.7	7.7	8.5	13.2	22.7	27.1	16.4	17.0	25.7	14.8
<b>Other medical causes</b>													
1995	130.1*	45.6*	101.4*	42.1	52.8	77.8	90.3	132.7	124.4	190.0	301.6	660.4	2146.0
2000	106.3*	37.1*	93.4*	26.7	27.6	57.0	99.3	101.0	141.2	201.1	260.6	467.3	1658.6
<b>All non-medical causes</b>													
1995	81.8*	37.1*	117.0*	70.5	125.0	131.0	136.6	127.2	125.6	102.7	131.3	180.7	261.2
2000	61.4*	30.3*	82.6*	60.0	57.3	75.2	96.7	102.3	89.4	97.1	97.7	140.6	287.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## LATVIA: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.1	– / 0.4	–
35–69	2.7 / 8.8	0.1 / 4.1	19 years
70+	1.1 / 6.2	0.3 / 12	8 years
All ages	3.7 / 16	0.4 / 16	15 years

## Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

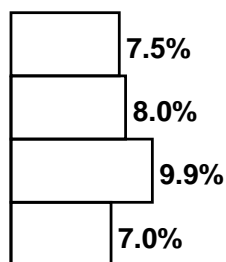
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 4	543/575	266/291	809/870	– / 2	16/65	53/102	69/169
All Cancer	– / 51	886/1773 (50%)	413/1177 (35%)	1299/3001	– / 38	19/1175 (2%)	68/1355 (5%)	87/2568
Vascular	– / 86	1242/3644	494/3980	1736/7710	– / 18	38/1752	210/8386	248/10156
Respiratory	– / 23	184/363	83/168	267/554	– / 5	5/110	38/187	43/302
All Other	– / 928	351/3068	76/894	427/4890	– / 312	14/1070	32/1642	46/3024
All Causes	– / 1088	2663/8848 (30%)	1066/6219 (17%)	3729/16155	– / 373	76/4107 (2%)	348/11570 (3%)	424/16050

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.3 / 3.0 (43%)	0.1 / 2.6 (3%)	1.4 / 5.6 (25%)
All Causes	3.7 / 16 (23%)	0.4 / 16 (3%)	4.2 / 32 (13%)

1985-2000: LATVIA

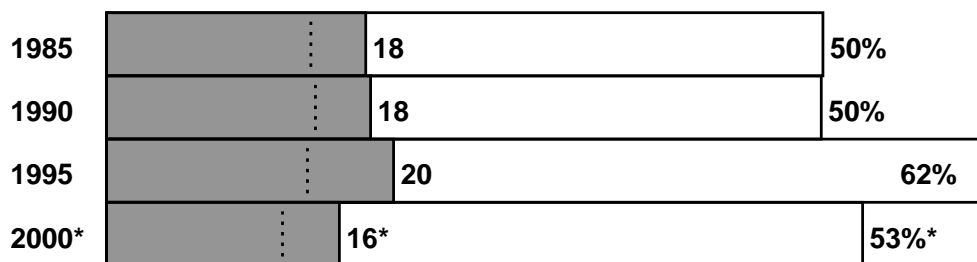
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

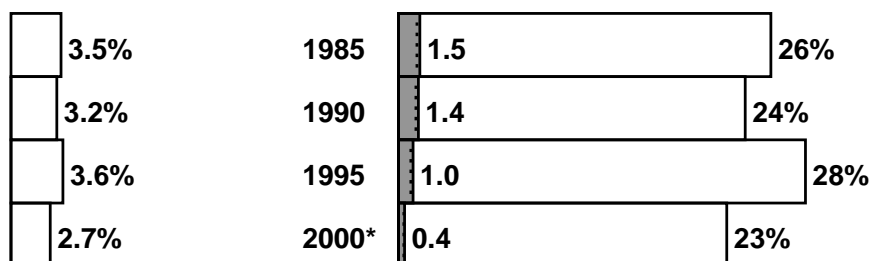
\*eg, at year 2000 male death rates, out of 100 men aged 35, 53 would die before age 70 (with 16 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## LATVIA: 1980-2000

## Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/1500	2735/7222 (38%)	849/7239 (12%)	3584/15961	-/661	236/4417 (5%)	79/13127 (0.6%)	315/18205
1990	-/1702	3180/8526 (37%)	997/6723 (15%)	4177/16951	-/656	274/4816 (6%)	242/12389 (2%)	516/17861
1995	-/1749	3874/12037 (32%)	1095/6557 (17%)	4969/20343	-/584	197/5616 (4%)	216/12388 (2%)	413/18588
2000	-/1088	2663/8848 (30%)	1066/6219 (17%)	3729/16155	-/373	76/4107 (2%)	348/11570 (3%)	424/16050

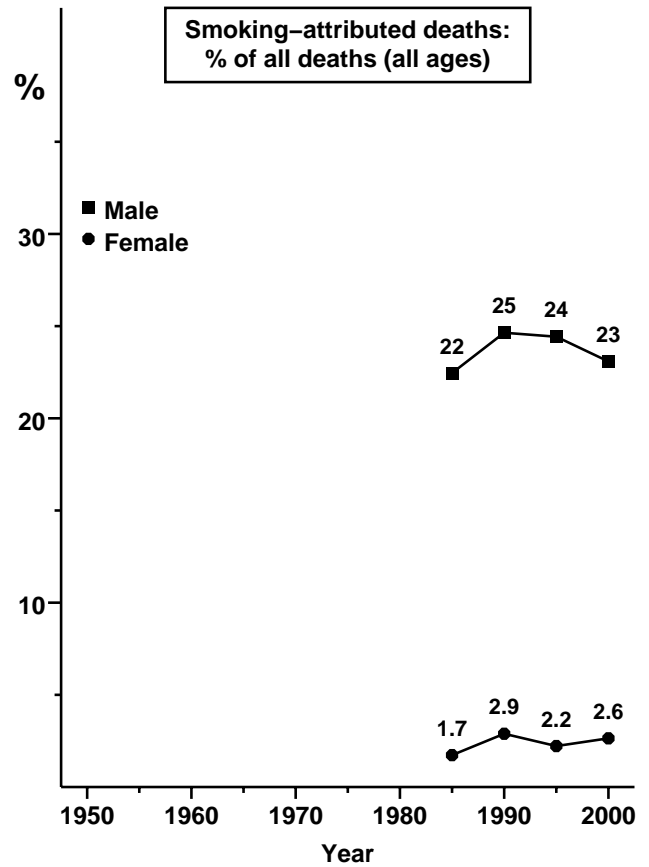
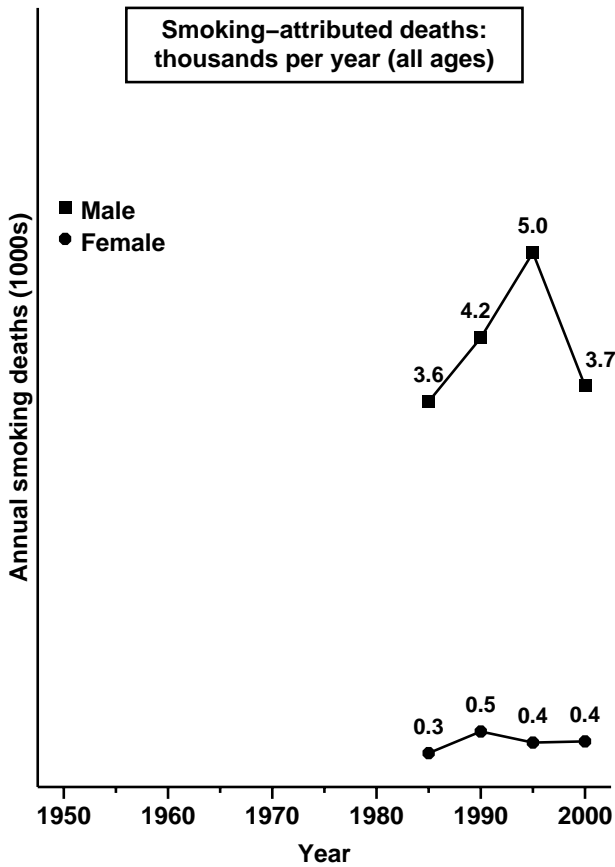
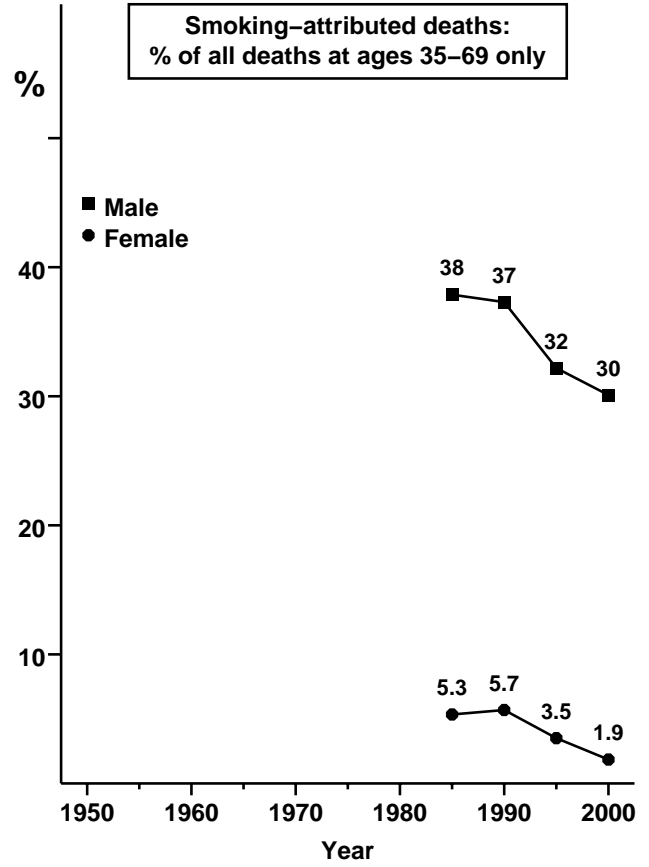
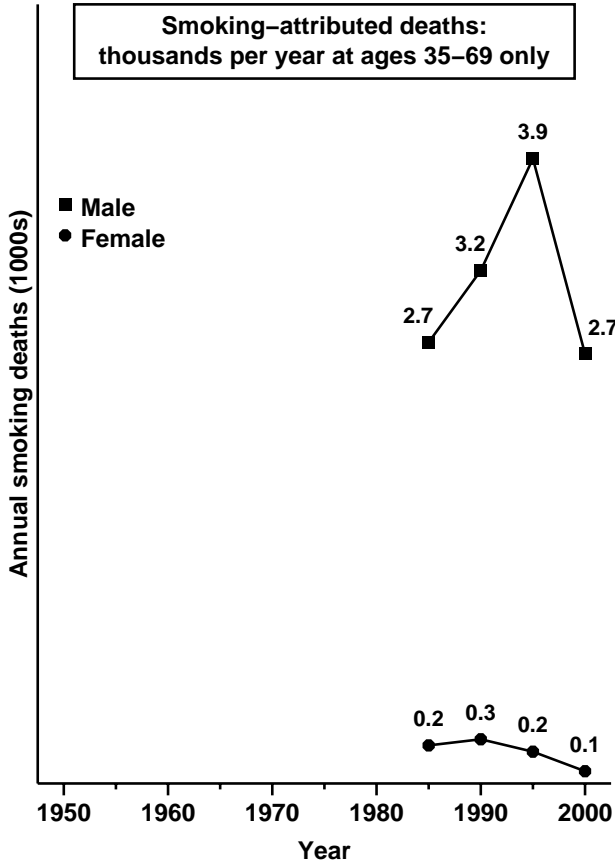
20-year total\* (thousands), mid-1980 to mid-2000: 93 / 731

1980-2000 by age & sex:

-/32	66/193 (34%)	19/138 (14%)	86/363	-/12	4.3/100 (4%)	3.0/255 (1%)	7.3/368
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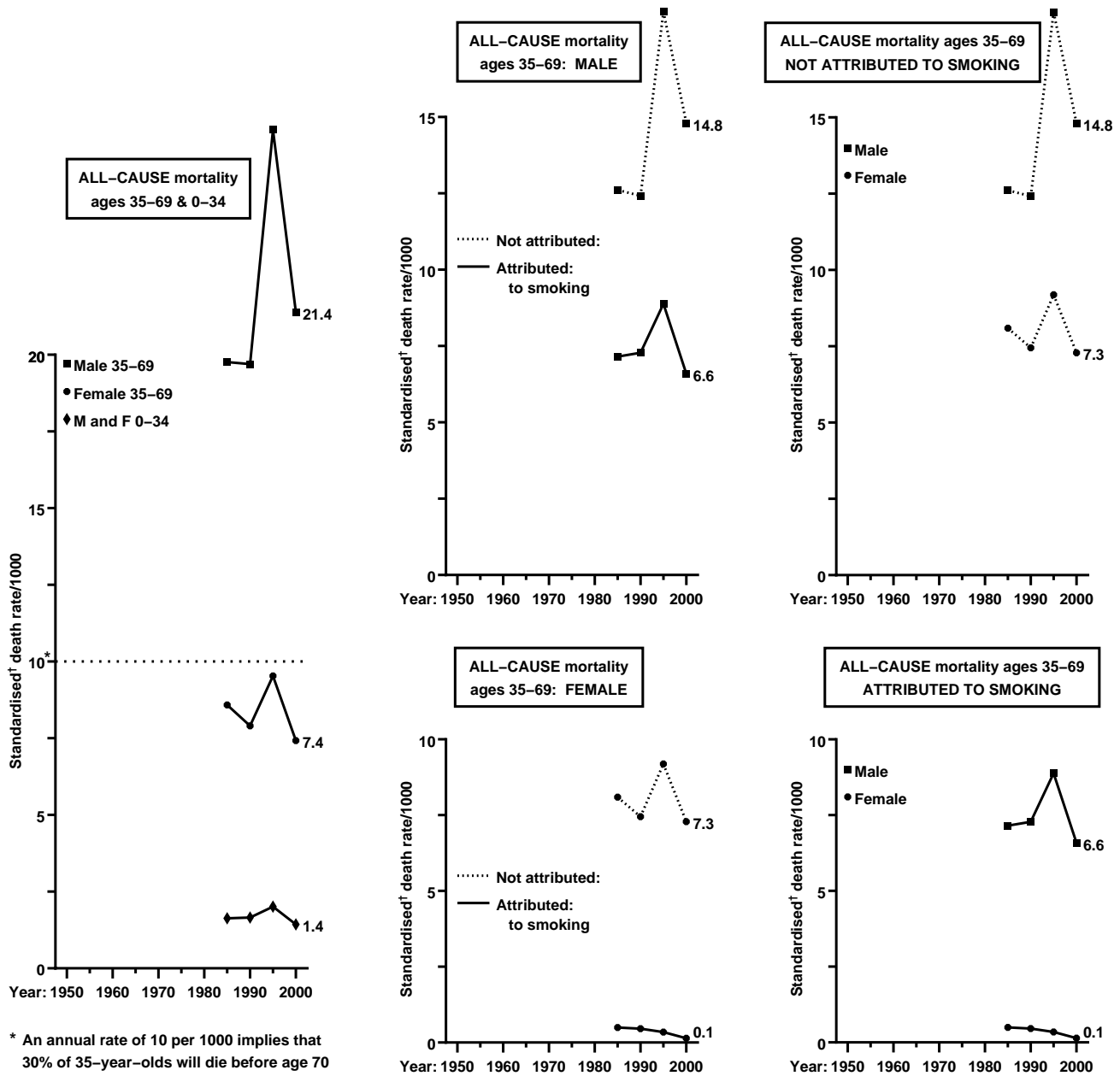
\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: LATVIA



LATVIA: 1985-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking



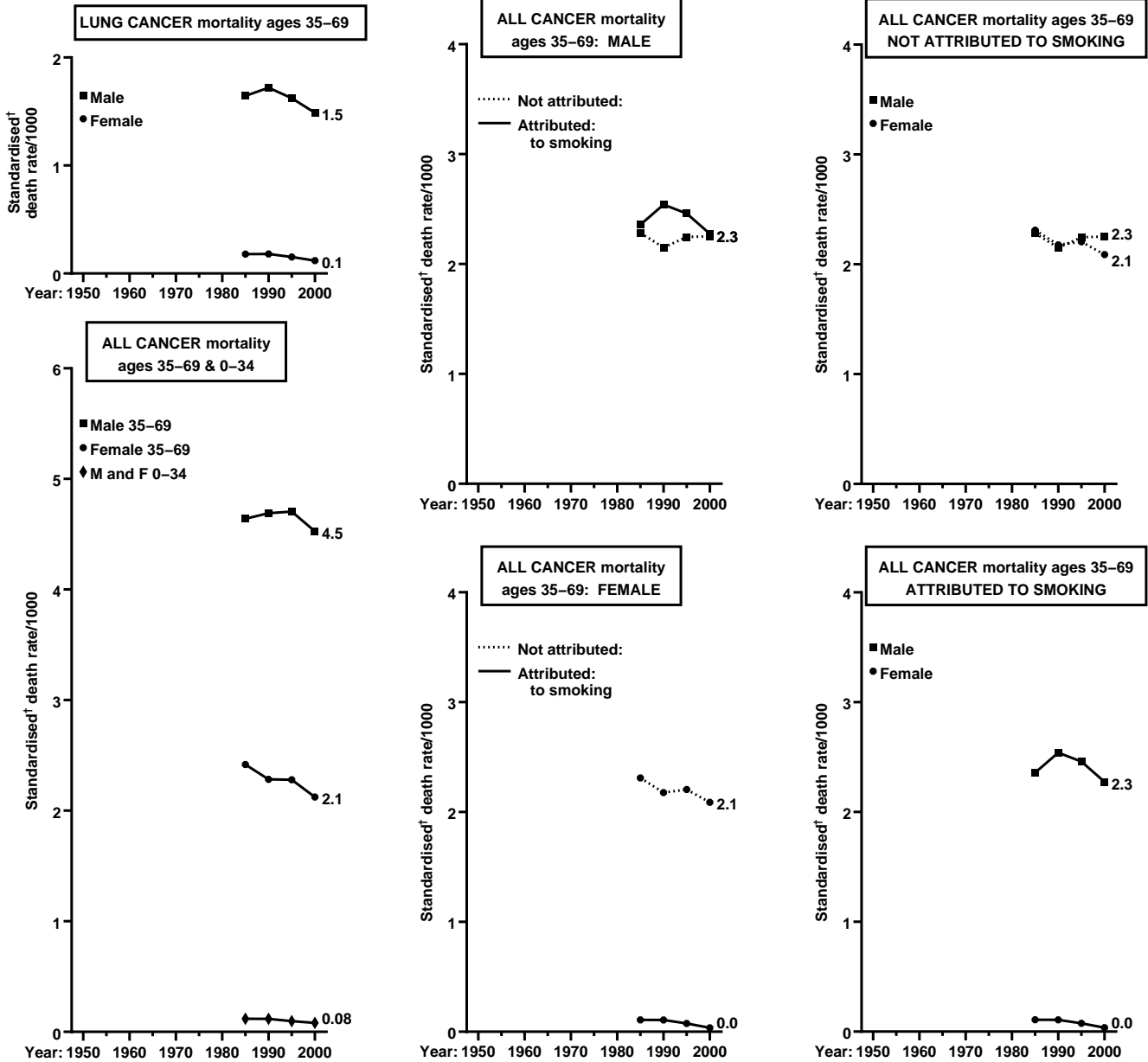
Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	2.24	7.15	12.6	11.3	70.4	-	1.01	0.49	8.09	0.64	51.7				
1990	-	2.38	7.28	12.4	15.3	68.0	-	0.93	0.45	7.45	1.20	48.1				
1995	-	2.96	8.88	18.5	16.8	70.3	-	1.05	0.34	9.19	1.15	48.7				
2000	-	2.07	6.59	14.8	14.4	60.6	-	0.79	0.14	7.28	1.45	40.4				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)



1985-2000: LATVIA

ALL CANCER mortality rates attributed and not attributed to smoking



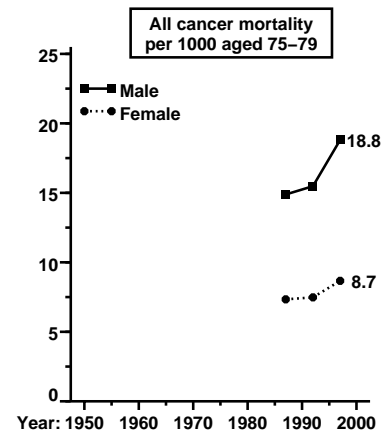
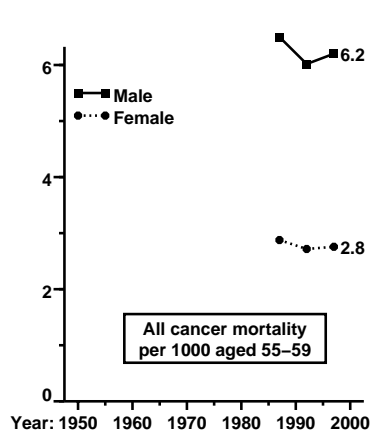
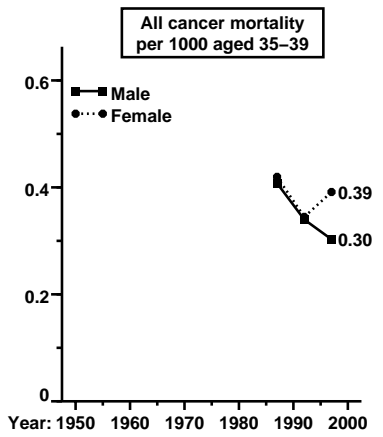
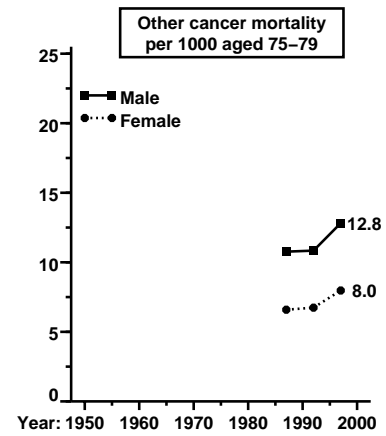
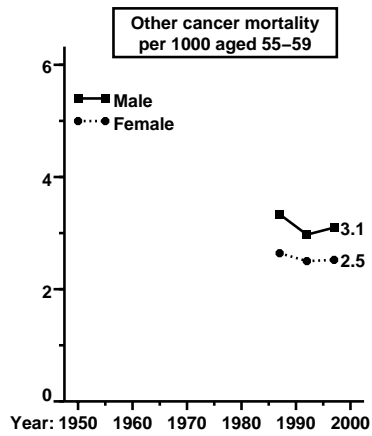
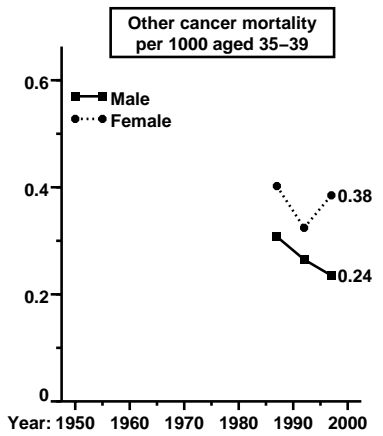
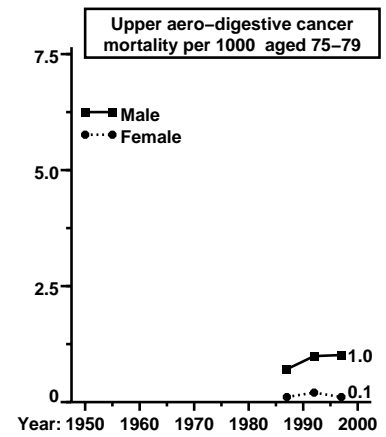
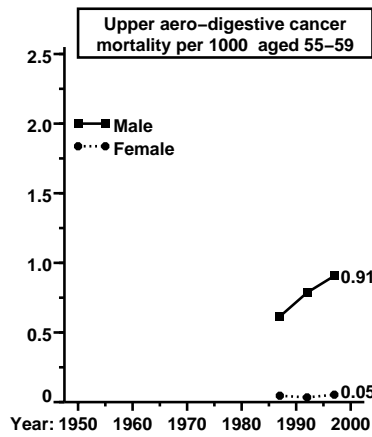
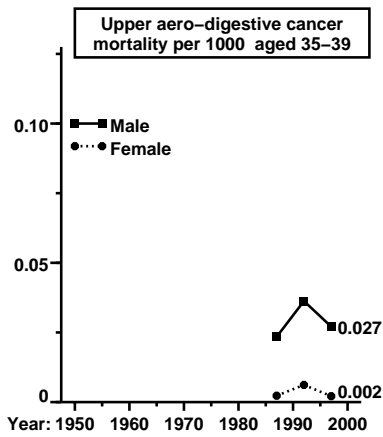
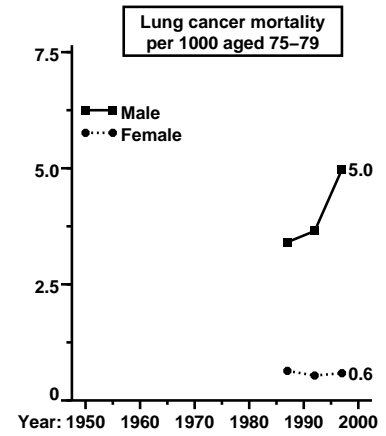
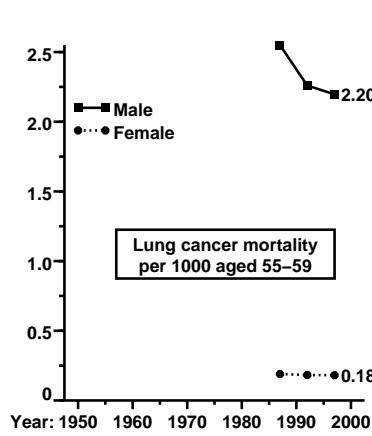
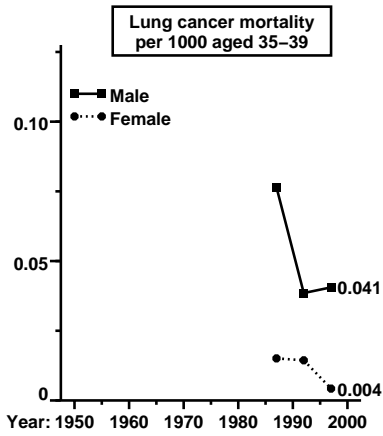
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	0.11	2.36	2.28	3.90	9.61	-	0.13	0.11	2.31	0.13	6.35		
1990	-	0.12	2.54	2.15	5.49	9.66	-	0.11	0.11	2.18	0.26	6.58		
1995	-	0.10	2.46	2.25	6.49	10.7	-	0.10	0.07	2.20	0.26	6.97		
2000	-	0.09	2.27	2.25	6.29	10.9	-	0.07	0.03	2.09	0.41	7.25		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**LATVIA: 1985-2000**

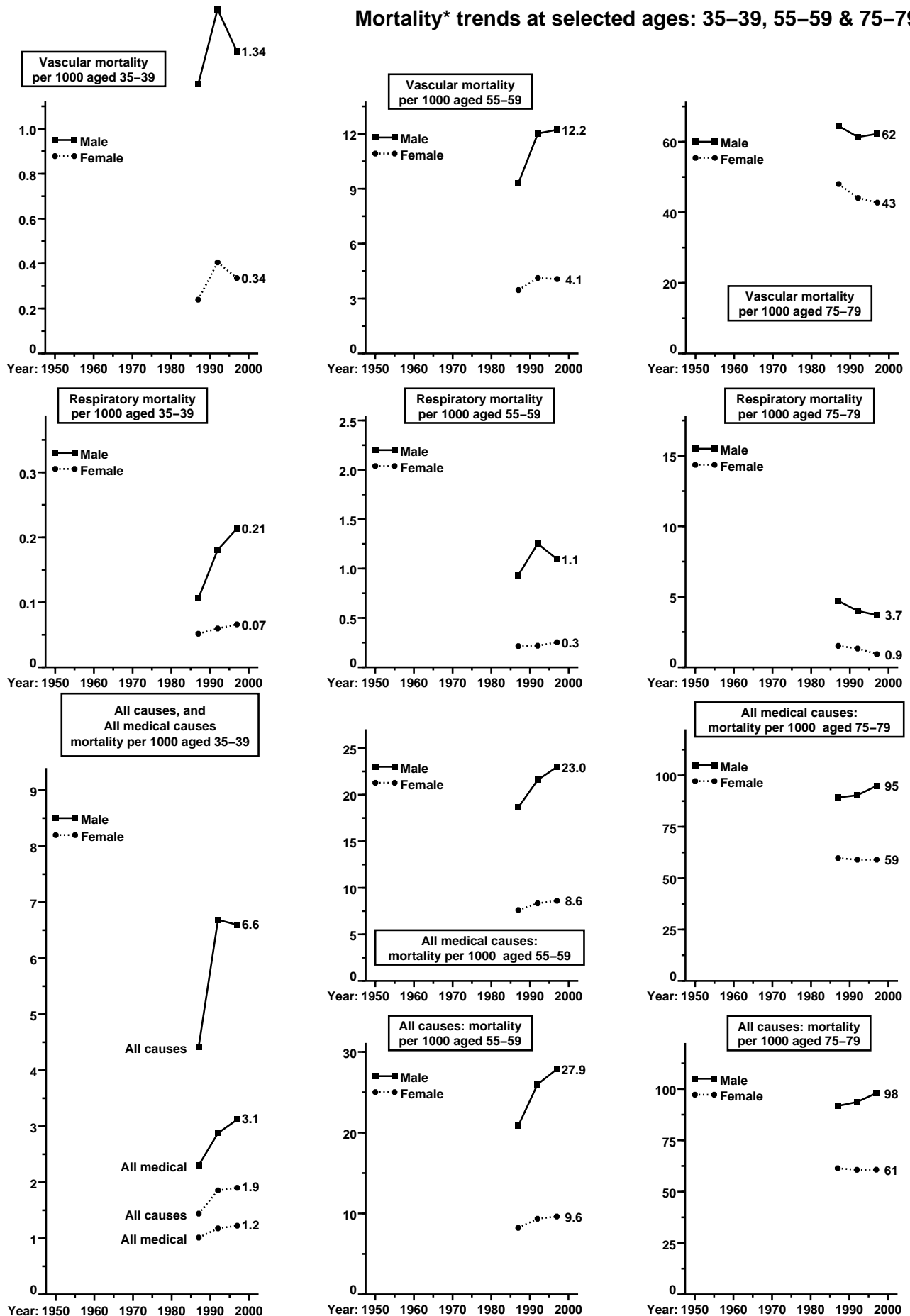
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 272-273

1985-2000: LATVIA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 272-273

## LITHUANIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	20408	1610	10401	1390.1	191.5	1785.4	220.6	34.9	31.6	133.2	255.7	281.5	383.0
	F	18511	568	4794	699.3	73.2	638.3	206.7	18.3	21.7	45.0	53.9	63.4	103.3
Tuberculosis	M	292	9	244	19.2	1.0	37.6	-	0.8	-	-	-	3.2	3.1
	F	73	5	42	3.4	0.6	5.3	-	-	-	-	2.6	-	1.6
HIV	M	5	2	3	0.3	0.2	0.4	-	-	-	-	-	0.8	0.8
	F	1	1	-	0.1	0.1	-	-	-	-	-	0.9	-	-
Other infective and parasitic	M	68	15	26	4.5	1.9	4.3	5.3	1.7	-	1.5	1.7	1.6	1.6
	F	51	12	21	2.6	1.7	2.7	8.9	-	-	0.8	-	-	2.3
ALL CANCER	M	4320	59	2492	291.5	6.8	453.5	5.3	4.2	3.6	9.9	5.1	9.7	10.2
	F	3403	84	1647	141.3	9.8	219.1	5.6	2.6	4.5	2.4	12.8	15.1	25.8
Mouth and pharynx cancer	M	206	2	170	14.1	0.2	29.3	-	-	-	0.8	-	0.8	-
	F	40	-	22	1.7	-	3.0	-	-	-	-	-	-	-
Oesophagus cancer	M	122	-	92	8.4	-	15.9	-	-	-	-	-	-	-
	F	24	-	11	0.9	-	1.5	-	-	-	-	-	-	-
Stomach cancer	M	502	3	280	34.1	0.3	50.9	-	-	-	-	-	-	2.4
	F	346	7	139	13.6	0.8	18.6	-	-	-	-	1.7	0.8	3.1
Colorectal cancer	M	423	1	211	28.9	0.1	39.2	-	-	-	-	-	-	0.8
	F	404	1	152	15.4	0.1	20.5	-	-	-	-	0.9	-	-
Liver cancer	M	83	1	44	5.5	0.1	8.2	-	-	-	-	-	0.8	-
	F	50	-	25	2.1	-	3.4	-	-	-	-	-	-	-
Pancreas cancer	M	219	2	124	15.0	0.2	22.5	-	-	-	-	-	-	1.6
	F	185	1	63	6.9	0.1	8.6	-	-	-	-	-	-	0.8
Larynx cancer	M	123	-	98	8.5	-	17.5	-	-	-	-	-	-	-
	F	4	-	2	0.2	-	0.3	-	-	-	-	-	-	-
Lung cancer	M	1178	2	752	78.0	0.2	139.0	-	-	-	-	-	-	1.6
	F	197	2	70	7.5	0.2	9.4	-	-	-	-	-	0.8	0.8
Malignant melanoma	M	31	2	22	2.0	0.2	3.5	-	-	-	-	-	0.8	0.8
	F	55	6	33	2.5	0.7	4.3	-	-	-	-	0.9	1.6	2.3
Female breast cancer	F	549	5	346	24.7	0.6	45.9	-	-	-	-	0.9	-	3.1
Cervix cancer	F	251	18	165	11.8	2.0	20.8	-	-	-	-	-	5.6	8.6
Other uterine cancer	F	150	-	76	6.1	-	10.3	-	-	-	-	-	-	-
Ovarian cancer	F	291	5	167	12.9	0.6	22.1	-	-	0.7	-	-	0.8	2.3
Prostate cancer	M	413	-	125	29.1	-	24.8	-	-	-	-	-	-	-
Bladder cancer	M	175	-	83	11.7	-	15.6	-	-	-	-	-	-	-
	F	52	-	13	1.9	-	1.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	595	22	359	39.5	2.6	62.9	2.1	3.3	1.4	2.3	3.4	4.8	0.8
	F	572	21	267	23.5	2.5	35.8	3.3	1.7	3.0	2.4	3.4	2.4	1.6
Hodgkin's disease	M	15	3	10	1.0	0.3	1.8	-	-	-	0.8	0.8	0.8	-
	F	16	4	8	0.8	0.5	1.0	-	-	-	-	2.6	0.8	-
Myeloma and non-Hodgkin lymphomas	M	98	9	51	6.4	1.0	9.4	-	-	2.2	3.0	-	0.8	0.8
	F	87	2	40	3.5	0.2	5.5	-	-	-	-	0.9	0.8	-
Leukaemia	M	137	12	71	9.2	1.5	13.0	3.2	0.8	-	3.0	0.8	0.8	1.6
	F	130	12	48	5.3	1.5	6.5	2.2	0.9	0.7	-	1.7	1.6	3.1
Diabetes	M	99	7	58	6.4	0.8	9.7	-	-	-	-	-	2.4	3.1
	F	142	8	61	5.8	0.9	8.0	-	-	-	-	0.9	3.2	2.3
ALL VASCULAR DISEASE	M	9077	88	3710	642.7	10.1	672.3	2.1	1.7	0.7	2.3	8.5	16.9	38.5
	F	11853	25	1719	408.5	3.1	234.2	7.8	-	0.7	1.6	1.7	3.2	7.0
Rheumatic heart disease and fever	M	108	5	74	7.2	0.6	12.7	-	-	-	-	-	0.8	3.1
	F	142	1	79	5.9	0.1	10.7	-	-	0.7	-	-	-	-
Hypertensive disease	M	131	2	100	8.8	0.2	17.8	-	-	-	-	-	0.8	0.8
	F	149	1	57	5.7	0.1	7.8	-	-	-	-	-	-	0.8
Ischaemic heart disease	M	5685	31	2219	405.2	3.5	405.3	-	-	-	-	1.7	6.5	16.5
	F	6928	1	772	234.3	0.1	105.7	-	-	-	-	-	0.8	-
Pulmonary embolism and other venous	M	125	2	63	8.4	0.2	11.4	-	-	-	0.8	-	-	0.8
	F	150	1	60	5.7	0.1	8.2	-	-	-	-	-	0.8	-
Cerebrovascular disease	M	1764	9	630	125.1	1.1	117.4	1.1	-	-	-	0.8	-	5.5
	F	3133	6	514	108.2	0.7	70.0	-	-	-	0.8	-	0.8	3.1
Other vascular disease	M	1264	39	624	88.1	4.5	107.6	1.1	1.7	0.7	1.5	5.9	8.9	11.8
	F	1351	15	237	48.6	2.0	31.8	7.8	-	-	0.8	1.7	0.8	3.1
Chronic obstructive pulmonary disease	M	710	3	241	49.6	0.3	46.4	-	-	0.7	-	-	-	1.6
	F	340	-	75	12.1	-	10.2	-	-	-	-	-	-	-
Other respiratory disease	M	338	31	178	22.9	4.0	29.9	13.7	-	0.7	2.3	2.5	2.4	6.3
	F	172	19	59	7.5	2.8	7.8	15.6	-	0.7	-	0.9	0.8	1.6
Peptic ulcer	M	99	4	68	6.5	0.5	12.2	-	-	0.7	-	0.8	1.6	-
	F	69	-	16	2.5	-	2.2	-	-	-	-	-	-	-
Liver cirrhosis	M	340	17	298	22.2	1.9	46.9	-	-	-	-	1.7	4.0	7.8
	F	199	3	156	9.9	0.3	20.3	-	-	-	-	0.9	-	1.6
Renal disease	M	122	3	55	8.6	0.3	9.5	-	-	-	0.8	0.8	0.8	-
	F	140	5	45	5.2	0.6	6.1	-	-	-	-	-	2.4	1.6
Pregnancy, birth	F	3	2	1	0.2	0.2	0.1	-	-	-	-	1.7	-	-
Congenital and perinatal causes	M	138	127	10	11.0	18.6	1.4	121.8	1.7	3.6	1.5	0.8	-	0.8
	F	139	128	8	11.5	19.8	1.0	128.9	1.7	2.2	2.4	1.7	-	1.6
Ill-defined causes	M	189	34	119	12.5	4.1	18.1	7.4	0.8	-	1.5	5.1	4.8	9.4
	F	111	12	34	4.6	1.5	4.4	3.3	-	0.7	-	1.7	1.6	3.1
Other medical causes	M	666	70	365	44.5	8.3	60.5	11.6	2.5	2.2	4.6	4.2	12.1	21.2
	F	658	45	232	26.8	5.8	30.9	14.4	5.2	3.7	3.2	5.1	1.6	7.0
ALL NON-MEDICAL CAUSES	M	3945	1141	2534	247.9	132.5	382.6	53.6	21.6	19.4	108.8	224.4	221.0	278.6
	F	1157	219	678	57.4	25.9	85.8	22.2	8.7	9.0	34.8	23.1	35.7	47.7
Road traffic accidents	M	571	256	280	34.5	29.4	41.3	4.2	10.8	6.5	37.3	56.7	37.1	53.4
	F	155	49	76	7.7	5.7	9.6	1.1	3.5	3.7	11.1	6.8	5.6	7.8
Fire	M	115	31	72	7.5	3.8	11.2	8.4	-	-	0.8	4.2	3.2	10.2
	F	36	1	20	1.6	0.1	2.6	-	0.9	-	-	-	-	-
Suicide	M	1317	358	874	83.0	41.1	130.4	-	0.8	3.6	28.2	79.6	77.4	98.1
	F	314	56	195	15.6	6.4	24.2	-	-	-	15.8	4.3	11.1	13.3
Homicide	M	250	85	151	15.6	9.8	22.2	2.1	-	0.7	7.6	13.5	20.2	24.3
	F	95	24	50	4.9	2.9	6.1	3.3	-	0.7	0.8	2.6	4.0	8.6
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
					1637.4	855.9	678.8	95.2	120.4	139.4	131.4	118.1	124.0	127.4
					1862.1	836.0	806.1	90.0	115.0	133.7	126.6	116.8	126.1	127.8

## 2000: LITHUANIA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
469.7	681.0	1082.0	1554.3	2067.6	2789.9	3853.3	5417.0	7637.6	14803.4	M	ALL CAUSES	001-999/A00-Y89
132.3	202.1	377.1	468.3	727.4	991.6	1569.2	2609.9	4395.2	12829.2	F		
19.2	34.1	33.2	45.2	54.3	45.1	31.8	33.6	45.3	38.5	M	Tuberculosis	010-018, 137/ A15-A19, B90
3.6	3.7	5.3	6.6	9.5	4.7	4.0	10.8	16.6	8.2	F		
-	-	2.0	1.1	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
1.5	3.2	1.0	5.7	3.6	6.4	9.1	21.7	38.3	21.4	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.4	2.2	0.9	0.9	4.7	2.8	5.9	7.5	7.5	9.9	F		
31.8	72.2	168.8	371.0	545.9	809.3	1175.5	1505.9	1864.1	2017.1	M	ALL CANCER	140-208/C00-C97
33.3	73.3	148.0	177.9	261.2	359.8	480.2	612.1	767.7	977.0	F		
1.5	4.8	23.4	43.0	39.9	50.3	42.4	29.6	41.8	29.9	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.8	2.8	7.6	4.7	4.0	5.4	10.6	9.9	F		
-	5.6	10.7	18.1	29.0	21.9	25.7	21.7	38.3	34.2	M	Oesophagus cancer	150/C15
-	0.7	0.9	-	-	5.6	3.0	3.2	3.0	13.1	F		
5.2	11.1	11.7	41.9	66.4	85.1	134.6	162.1	250.9	277.8	M	Stomach cancer	151/C16
3.6	4.4	12.3	13.2	17.1	28.0	51.4	61.4	83.0	144.5	F		
1.5	4.0	12.7	28.3	49.5	59.3	119.5	166.0	202.1	294.9	M	Colorectal cancer	153, 154/C18-C21
2.2	4.4	7.0	8.5	30.4	35.5	55.3	75.4	117.6	169.1	F		
-	1.6	2.0	5.7	7.2	18.0	22.7	37.5	41.8	29.9	M	Liver cancer	155.0, 155.1/C22
-	0.7	1.8	1.9	4.7	8.4	5.9	11.9	7.5	14.8	F		
2.2	1.6	2.9	29.4	33.8	37.4	49.9	79.1	104.5	98.3	M	Pancreas cancer	157/C25
-	0.7	3.5	3.8	10.4	18.7	22.7	42.0	58.8	70.6	F		
-	0.8	8.8	24.9	21.7	36.1	30.3	17.8	24.4	38.5	M	Larynx cancer	161/C32
-	-	-	-	0.9	0.9	-	1.1	1.5	-	F		
3.7	16.7	54.6	82.6	164.3	264.2	387.3	444.7	442.5	307.7	M	Lung cancer	162/C33, C34
0.7	2.2	6.2	5.7	8.5	17.8	24.7	44.2	60.3	72.2	F		
3.0	0.8	1.0	4.5	6.0	7.7	1.5	9.9	-	8.5	M	Malignant melanoma	172/C43
0.7	4.4	1.8	2.8	5.7	4.7	9.9	7.5	7.5	6.6	F		
5.8	14.1	41.4	51.1	60.8	70.1	78.1	76.5	93.5	106.7	F	Female breast cancer	174/C50
9.4	22.2	31.7	12.3	17.1	20.6	32.6	32.3	31.7	27.9	F	Cervix cancer	180/C53
-	2.2	3.5	4.7	17.1	19.6	24.7	24.8	46.8	32.8	F	Other uterine cancer	179, 182/C54, C55
4.3	6.7	15.0	30.3	26.6	36.4	35.6	52.8	42.2	69.0	F	Ovarian cancer	183.0/C56
-	0.8	1.0	5.7	22.9	38.7	104.4	148.2	348.4	482.9	M	Prostate cancer	185/C61
0.7	3.2	2.0	10.2	10.9	32.2	49.9	83.0	97.6	94.0	M	Bladder cancer	188/C67
-	0.7	-	0.9	1.9	2.8	5.9	12.9	12.1	31.2	F		
10.3	18.3	33.2	60.0	66.4	114.7	137.7	229.2	174.2	205.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.8	8.1	16.7	30.3	37.0	62.6	89.9	117.5	129.7	146.1	F	Hodgkin's disease	201/C81
-	-	-	2.3	3.6	5.2	1.5	4.0	-	-	M		
0.7	0.7	-	1.9	0.9	2.8	-	2.2	1.5	1.6	F		
2.2	2.4	2.0	7.9	2.4	12.9	36.3	29.6	38.3	51.3	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	-	0.9	2.8	9.5	11.2	13.8	20.5	25.6	14.8	F	Leukaemia	204-208/C91-C95
1.5	0.8	2.9	6.8	21.7	25.8	31.8	43.5	59.2	64.1	M		
-	0.7	3.5	4.7	4.7	9.3	22.7	20.5	34.7	46.0	F		
4.4	2.4	7.8	10.2	14.5	9.0	19.7	53.4	17.4	8.5	M	Diabetes	250/E10-E14
2.9	3.0	1.8	5.7	12.3	19.6	10.9	31.3	37.7	31.2	F		
62.8	142.9	270.2	475.1	783.8	1175.3	1795.8	2832.0	4435.5	10995.7	M	ALL VASCULAR DISEASE	390-459/I00-I99
13.7	25.2	72.2	120.2	236.5	380.4	791.5	1590.5	3069.4	10834.2	F		
3.0	4.0	7.8	12.4	16.9	19.3	25.7	27.7	17.4	42.7	M	Rheumatic heart disease and fever	390-398/I00-I09
1.4	-	1.8	8.5	15.2	26.2	21.7	26.9	30.2	27.9	F		
1.5	4.0	6.8	20.4	20.5	34.8	36.3	29.6	24.4	29.9	M	Hypertensive disease	401-405/I10-I15
-	-	3.5	5.7	9.5	11.2	24.7	32.3	43.7	52.5	F		
28.1	71.4	156.1	291.9	468.6	704.9	1116.5	1784.6	2832.8	7346.2	M	Ischaemic heart disease	410-414/I20-I25
3.6	8.1	21.1	45.4	84.5	188.8	388.3	872.8	1705.9	6919.5	F		
2.2	0.8	7.8	3.4	13.3	21.9	30.3	43.5	83.6	59.8	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.7	1.5	0.9	6.6	4.7	10.3	32.6	31.3	37.7	57.5	F		
7.4	21.4	33.2	45.2	135.3	208.8	370.7	579.1	1062.7	2252.1	M	Cerebrovascular disease	430-438/I60-I69
4.3	8.1	27.3	29.3	64.6	104.7	252.0	470.9	957.8	2530.4	F		
20.7	41.3	58.5	101.8	129.2	185.6	216.3	367.6	414.6	1265.0	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
3.6	7.4	17.6	24.6	57.9	39.3	72.1	156.3	294.1	1246.3	F		
-	4.8	6.8	18.1	39.9	87.6	167.9	304.3	432.1	803.4	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.4	-	7.0	5.7	7.6	15.9	33.6	53.9	107.1	236.5	F		
7.4	13.5	19.5	29.4	41.1	51.5	46.9	102.8	149.8	145.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.9	3.0	1.8	5.7	11.4	12.1	17.8	18.3	37.7	85.4	F		
1.5	4.0	2.9	6.8	14.5	27.1	28.7	21.7	38.3	21.4	M	Peptic ulcer	531-533/K25-K27
-	-	-	3.8	1.9	4.7	4.9	9.7	18.1	52.5	F		
19.9	33.3	52.7	47.5	61.6	61.9	51.4	33.6	17.4	12.8	M	Liver cirrhosis	571/K70, K74
3.6	11.8	21.1	26.5	30.4	27.1	21.7	21.6	19.6	11.5	F		
3.7	1.6	4.9	9.0	15.7	10.3	21.2	25.7	83.6	115.4	M	Renal disease	580-590/N00-N19
-	1.5	2.6	0.9	3.8	15.0	18.8	31.3	36.2	60.8	F		
0.7	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
1.5	2.4	2.0	1.1	-	1.3	1.5	2.0	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.4	0.7	-	2.8	-	-	2.0	2.2	-	1.6	F	Ill-defined causes	780-799/R00-R99
14.0	12.7	17.6	28.3	13.3	25.8	15.1	23.7	41.8	51.3	M		
1.4	3.0	1.8	2.8	5.7	10.3	5.9	8.6	21.1	70.6	F		
20.7	34.9	41.0	65.6	65.2	82.5	113.5	175.9	236.9	316.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
9.4	4.4	17.6	21.8	46.5	46.7	70.2	113.1	162.9	275.9	F		
281.4	319.0	451.7	440.0	414.3	396.9	375.2	280.6	236.9	256.4	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
56.4	70.3	96.9	87.0	95.9	92.5	101.8	99.1	93.5	174.1	F		
45.1	36.5	44.9	36.2	44.7	33.5	48.4	33.6	31.4	38.5	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
5.8	9.6	8.8	6.6	9.5	11.2	15.8	15.1	12.1	13.1	F		
5.2	6.3	16.6	12.4	16.9	10.3	10.6	13.8	10.5	8.5	M	Fire	E890-E899/X00-X09
0.7	-	5.3	0.9	2.8	4.7	4.0	4.3	6.0	11.5	F		
93.1	117.5	162.9	174.2	146.1	116.0	102.9	88.9	48.8	111.1	M	Suicide	E950-E959/X60-X84
24.6	21.5	33.5	18.9	26.6	25.2	18.8	29.1	24.1	32.8	F		
14.8	22.2	35.1	30.5	21.7	11.6	19.7	9.9	24.4	8.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
5.8	8.1	8.8	9.5	5.7	1.9	3.0	3.2	10.6	18.1	F		
135.4	126.0	102.5	88.4	82.8	77.6	66.1	50.6	28.7	23.4	M	POPULATION	
138.3	135.1	113.5	105.7	105.3	107.0	101.2	92.8	66.3	60.9	F	(1000s; UN, 2004 revision)	

<b>LITHUANIA: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2200	88	3	1	84	5	46	133	24	518	1386
35-69	Sm.	4549	1528	912	295	321	323	88	1894	-	716	-
	Total	13545 (34%)	2786 (55%)	958 (95%)	396 (74%)	1432 (22%)	384 (84%)	206 (43%)	4804 (39%)	268	1652 (43%)	3445
70+	Sm.	1524	477	314	40	123	350	7	632	-	58	-
	Total	8538 (18%)	1435 (33%)	347 (90%)	68 (59%)	1020 (12%)	495 (71%)	50 (14%)	5705 (11%)	25	494 (12%)	334
Any age	Sm.	6073	2005	1226	335	444	673	95	2526	-	774	-
	Total	24283 (25%)	4309 (47%)	1308 (94%)	465 (72%)	2536 (18%)	884 (76%)	302 (31%)	10642 (24%)	317	2664 (29%)	5165
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1610	59	2	2	55	3	31	88	17	271	1141
35-69	Sm.	3038	1208	705	249	254	195	63	1230	-	342	-
	Total	10401 (29%)	2492 (48%)	752 (94%)	360 (69%)	1380 (18%)	241 (81%)	178 (35%)	3710 (33%)	298	948 (36%)	2534
70+	Sm.	1614	589	383	52	154	332	17	616	-	60	-
	Total	8397 (19%)	1769 (33%)	424 (90%)	89 (58%)	1256 (12%)	466 (71%)	129 (13%)	5279 (12%)	25	459 (13%)	270
Any age	Sm.	4652	1797	1088	301	408	527	80	1846	-	402	-
	Total	20408 (23%)	4320 (42%)	1178 (92%)	451 (67%)	2691 (15%)	710 (74%)	338 (24%)	9077 (20%)	340	1678 (24%)	3945

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	1709.1	947.2	673.0	135.8	111.8	97.9	93.0	89.6	79.5	65.4	41.0	19.6	28.3
2000	1637.4	855.9	678.8	135.4	126.0	102.5	88.4	82.8	77.6	66.1	50.6	28.7	23.4
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	24283	2200	13545	936	1276	1479	2024	2270	2670	2890	2443	1636	4459
2000	20408	1610	10401	636	858	1109	1374	1712	2165	2547	2741	2192	3464
<b>Lung cancer</b>													
1995	1308	3	958	5	31	53	121	195	254	299	194	81	72
2000	1178	2	752	5	21	56	73	136	205	256	225	127	72
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1660.3*	231.6*	2261.2*	689.2	1141.3	1510.7	2176.3	2533.5	3358.5	4419.0	5958.5	8346.9	15756.2
2000	1390.1*	191.5*	1785.4*	469.7	681.0	1082.0	1554.3	2067.6	2789.9	3853.3	5417.0	7637.6	14803.4
<b>All cancer</b>													
1995	299.9*	9.3*	497.3*	33.1	93.9	183.9	393.5	607.1	901.9	1267.6	1517.1	1744.9	1664.3
2000	291.5*	6.8*	453.5*	31.8	72.2	168.8	371.0	545.9	809.3	1175.5	1505.9	1864.1	2017.1
<b>Lung cancer</b>													
1995	90.1*	0.3*	172.9*	3.7	27.7	54.1	130.1	217.6	319.5	457.2	473.2	413.3	254.4
2000	78.0*	0.2*	139.0*	3.7	16.7	54.6	82.6	164.3	264.2	387.3	444.7	442.5	307.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	31.8*	0.1*	67.6*	5.2	20.6	43.9	80.6	91.5	104.4	126.9	85.4	81.6	60.1
2000	31.0*	0.2*	62.7*	1.5	11.1	42.9	86.0	90.6	108.2	98.3	69.2	104.5	102.6
<b>Other cancer</b>													
1995	178.0*	8.9*	256.9*	24.3	45.6	85.8	182.8	298.0	478.0	683.5	958.5	1250.0	1349.8
2000	182.5*	6.4*	251.8*	26.6	44.4	71.2	202.5	291.1	436.9	689.9	992.1	1317.1	1606.8
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	63.6*	0.5*	70.8*	1.5	7.2	14.3	34.4	82.6	150.9	204.9	385.4	535.7	819.8
2000	49.6*	0.3*	46.4*	-	4.8	6.8	18.1	39.9	87.6	167.9	304.3	432.1	803.4
<b>Other respiratory disease</b>													
1995	20.1*	5.0*	33.7*	5.9	25.9	27.6	33.3	49.1	40.3	53.5	51.2	45.9	70.7
2000	22.9*	4.0*	29.9*	7.4	13.5	19.5	29.4	41.1	51.5	46.9	102.8	149.8	145.3
<b>Vascular disease</b>													
1995	758.1*	13.5*	847.6*	94.3	212.0	386.1	722.6	937.5	1470.4	2110.1	3253.7	5148.0	11879.9
2000	642.7*	10.1*	672.3*	62.8	142.9	270.2	475.1	783.8	1175.3	1795.8	2832.0	4435.5	10995.7
<b>Liver cirrhosis</b>													
1995	20.6*	2.4*	42.3*	15.5	42.0	39.8	39.8	50.2	56.6	52.0	41.5	15.3	17.7
2000	22.2*	1.9*	46.9*	19.9	33.3	52.7	47.5	61.6	61.9	51.4	33.6	17.4	12.8
<b>Other medical causes</b>													
1995	176.6*	57.4*	259.8*	128.9	201.3	262.5	301.1	264.5	328.3	331.8	358.5	443.9	918.7
2000	113.4*	35.8*	153.7*	66.5	95.2	112.2	173.1	181.2	207.5	240.5	357.7	501.7	572.6
<b>All non-medical causes</b>													
1995	321.5*	143.5*	509.8*	410.2	559.0	596.5	651.6	542.4	410.1	399.1	351.2	413.3	385.2
2000	247.9*	132.5*	382.6*	281.4	319.0	451.7	440.0	414.3	396.9	375.2	280.6	236.9	256.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: LITHUANIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	783	92	2	0	90	3	29	38	8	335	278
35-69	Sm.	160	36	29	1	6	25	0	76	-	23	-
	Total	6324	1791	99	24	1668	127	51	2508	139	860	848
		(3%)	(2%)	(29%)	(4%)	(0%)	(20%)	(0%)	(3%)		(3%)	
70+	Sm.	287	46	36	4	6	88	1	141	-	11	-
	Total	13916	1357	94	26	1237	370	68	11117	24	732	248
		(2%)	(3%)	(38%)	(15%)	(0%)	(24%)	(1%)	(1%)		(2%)	
Any age	Sm.	447	82	65	5	12	113	1	217	-	34	-
	Total	21023	3240	195	50	2995	500	148	13663	171	1927	1374
		(2%)	(3%)	(33%)	(10%)	(0%)	(23%)	(1%)	(2%)		(2%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	568	84	2	0	82	0	19	25	3	218	219
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	4794	1647	70	35	1542	75	59	1719	156	460	678
		(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)		(0%)	
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	13149	1672	125	33	1514	265	94	10109	40	709	260
		(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)		(0%)	
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	18511	3403	197	68	3138	340	172	11853	199	1387	1157
		(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)		(0%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	1919.1	916.3	811.9	141.4	119.7	111.6	110.8	113.9	109.8	104.7	81.9	42.2	66.8
2000	1862.1	836.0	806.1	138.3	135.1	113.5	105.7	105.3	107.0	101.2	92.8	66.3	60.9
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	21023	783	6324	279	392	526	730	1029	1417	1951	2505	2211	9200
2000	18511	568	4794	183	273	428	495	766	1061	1588	2422	2914	7813
<b>Lung cancer</b>													
1995	195	2	99	2	3	6	11	17	26	34	40	22	32
2000	197	2	70	1	3	7	6	9	19	25	41	40	44
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	827.0*	88.3*	816.0*	197.3	327.5	471.3	658.8	903.4	1290.5	1863.4	3058.6	5239.3	13772.5
2000	699.3*	73.2*	638.3*	132.3	202.1	377.1	468.3	727.4	991.6	1569.2	2609.9	4395.2	12829.2
<b>All cancer</b>													
1995	142.7*	9.9*	231.3*	43.8	91.9	138.0	209.4	264.3	380.7	490.9	577.5	755.9	845.8
2000	141.3*	9.8*	219.1*	33.3	73.3	148.0	177.9	261.2	359.8	480.2	612.1	767.7	977.0
<b>Lung cancer</b>													
1995	8.3*	0.2*	12.9*	1.4	2.5	5.4	9.9	14.9	23.7	32.5	48.8	52.1	47.9
2000	7.5*	0.2*	9.4*	0.7	2.2	6.2	5.7	8.5	17.8	24.7	44.2	60.3	72.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.1*	-	3.1*	-	0.8	5.4	1.8	2.6	2.7	8.6	6.1	16.6	21.0
2000	2.8*	-	4.7*	-	0.7	2.6	2.8	8.5	11.2	6.9	9.7	15.1	23.0
<b>Other cancer</b>													
1995	132.3*	9.7*	215.2*	42.4	88.6	127.2	197.7	246.7	354.3	449.9	522.6	687.2	776.9
2000	130.9*	9.6*	205.0*	32.5	70.3	139.2	169.3	244.1	330.8	448.6	558.2	692.3	881.8
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	18.8*	0.3*	16.6*	0.7	1.7	3.6	9.0	19.3	37.3	44.9	114.8	149.3	318.9
2000	12.1*	-	10.2*	1.4	-	7.0	5.7	7.6	15.9	33.6	53.9	107.1	236.5
<b>Other respiratory disease</b>													
1995	6.8*	3.4*	6.5*	1.4	8.4	3.6	5.4	6.1	5.5	15.3	24.4	28.4	53.9
2000	7.5*	2.8*	7.8*	2.9	3.0	1.8	5.7	11.4	12.1	17.8	18.3	37.7	85.4
<b>Vascular disease</b>													
1995	490.1*	4.1*	329.3*	21.9	51.8	101.3	188.6	326.6	586.5	1028.7	1965.8	3931.3	11748.5
2000	408.5*	3.1*	234.2*	13.7	25.2	72.2	120.2	236.5	380.4	791.5	1590.5	3069.4	10834.2
<b>Liver cirrhosis</b>													
1995	8.6*	0.8*	17.6*	7.8	11.7	9.9	26.2	24.6	22.8	20.1	14.7	14.2	9.0
2000	9.9*	0.3*	20.3*	3.6	11.8	21.1	26.5	30.4	27.1	21.7	21.6	19.6	11.5
<b>Other medical causes</b>													
1995	90.4*	39.3*	109.2*	46.0	65.2	95.9	102.9	138.7	150.3	165.2	250.3	253.6	628.7
2000	62.7*	31.2*	60.8*	21.0	18.5	30.0	45.4	84.5	103.7	122.5	214.4	300.2	510.7
<b>All non-medical causes</b>													
1995	69.6*	30.5*	105.5*	75.7	96.9	119.2	117.3	123.8	107.5	98.4	111.1	106.6	167.7
2000	57.4*	25.9*	85.8*	56.4	70.3	96.9	87.0	95.9	92.5	101.8	99.1	93.5	174.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## LITHUANIA: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.6	– / 0.6	–
35–69	3.0 / 10	0.0 / 4.8	20 years
70+	1.6 / 8.4	0.0 / 13	8 years
All ages	4.7 / 20	0.0 / 19	16 years

## Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/ 2	705/752	383/424	1088/1178	–/ 2	0/70	0/125	0/197
All Cancer	–/59	1208/2492 (48%)	589/1769 (33%)	1797/4320	–/84	0/1647 (0%)	0/1672 (0%)	0/3403
Vascular	–/88	1230/3710	616/5279	1846/9077	–/25	0/1719	0/10109	0/11853
Respiratory	–/34	258/419	349/595	607/1048	–/19	0/134	0/359	0/512
All Other	–/1429	342/3780	60/754	402/5963	–/440	0/1294	0/1009	0/2743
All Causes	–/1610	3038/10401 (29%)	1614/8397 (19%)	4652/20408	–/568	0/4794 (0%)	0/13149 (0%)	0/18511

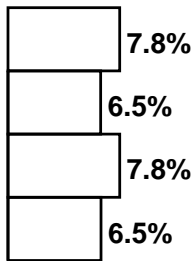
## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.8 / 4.3 (42%)	0.0 / 3.4 (0%)	1.8 / 7.7 (23%)
All Causes	4.7 / 20 (23%)	0.0 / 19 (0%)	4.7 / 39 (12%)



1985-2000: LITHUANIA

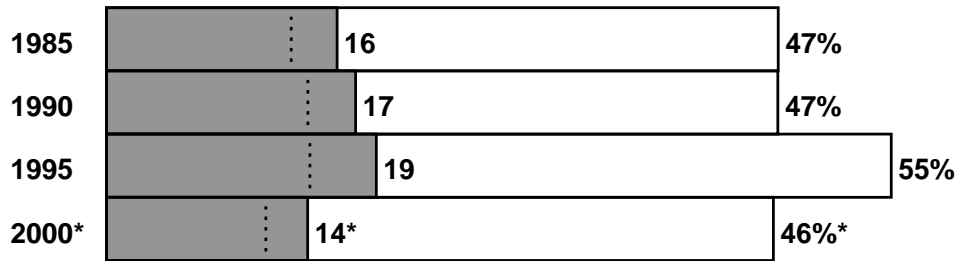
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

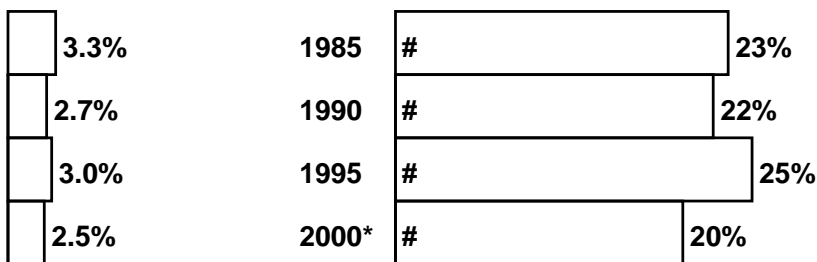
\*eg, at year 2000 male death rates, out of 100 men aged 35, 46 would die before age 70 (with 14 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

## LITHUANIA: 1980-2000

## Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/2236	3044/8678 <b>(35%)</b>	1641/9370 <b>(18%)</b>	4685/20284	-/914	204/4772	194/13199	398/18885
1990	-/1958	3789/10184 <b>(37%)</b>	1441/8463 <b>(17%)</b>	5230/20605	-/773	176/5391	428/12991	604/19155
1995	-/2200	4549/13545 <b>(34%)</b>	1524/8538 <b>(18%)</b>	6073/24283	-/783	160/6324	287/13916	447/21023
2000	-/1610	3038/10401 <b>(29%)</b>	1614/8397 <b>(19%)</b>	4652/20408	-/568	0/4794	0/13149	0/18511

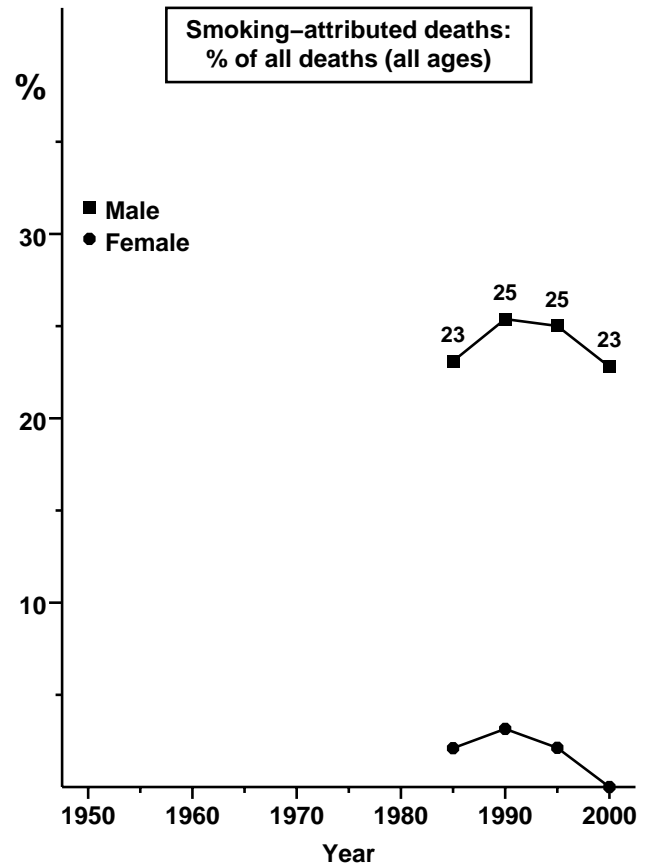
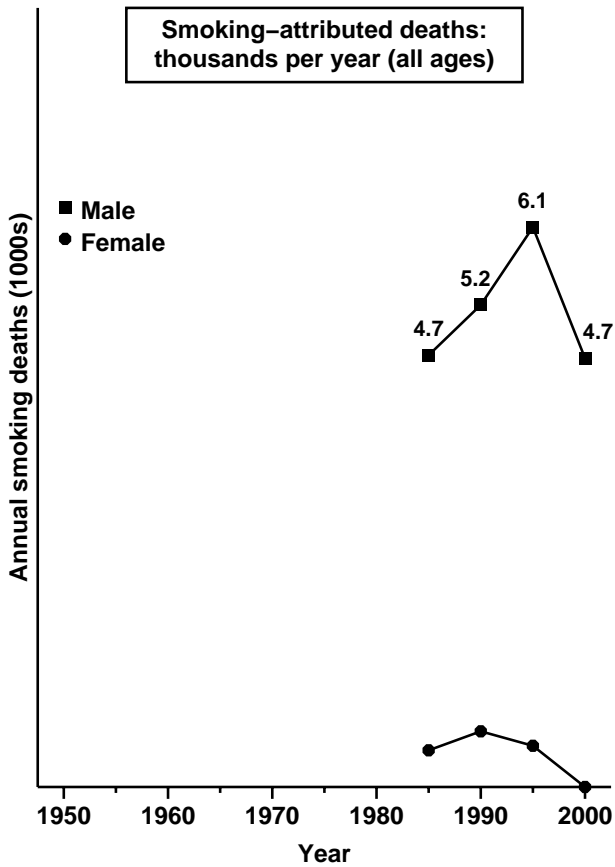
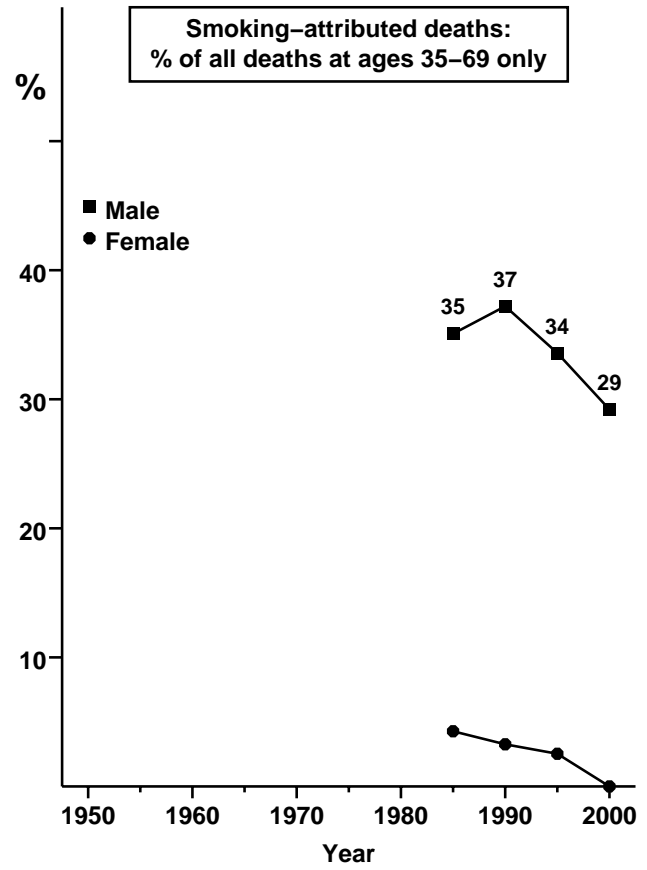
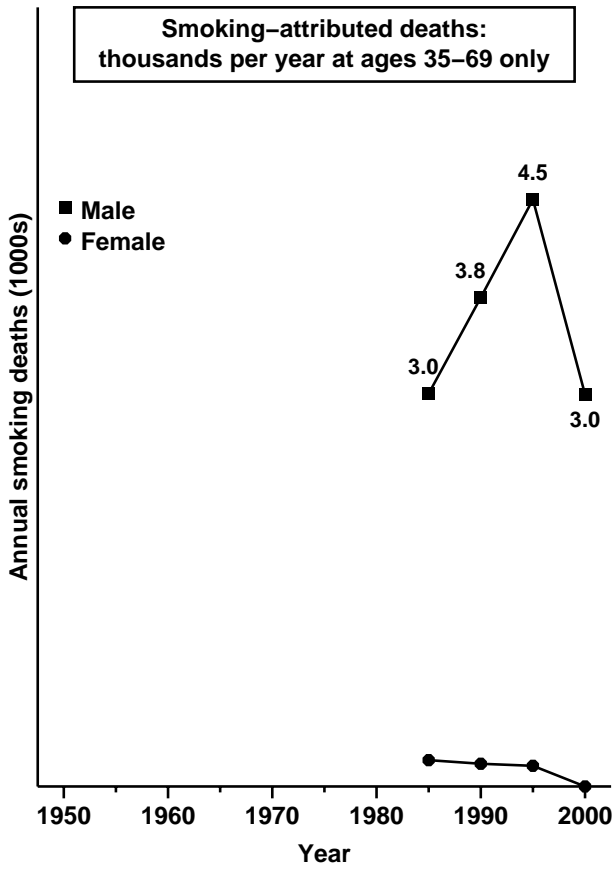
20-year total\* (thousands), mid-1980 to mid-2000: 116 / 845

1980-2000 by age & sex:

-/44	76/222 <b>(34%)</b>	32/179 <b>(18%)</b>	108/446	-/17	3.6/111 <b>( 3%)</b>	4.8/271 <b>( 2%)</b>	8.4/399
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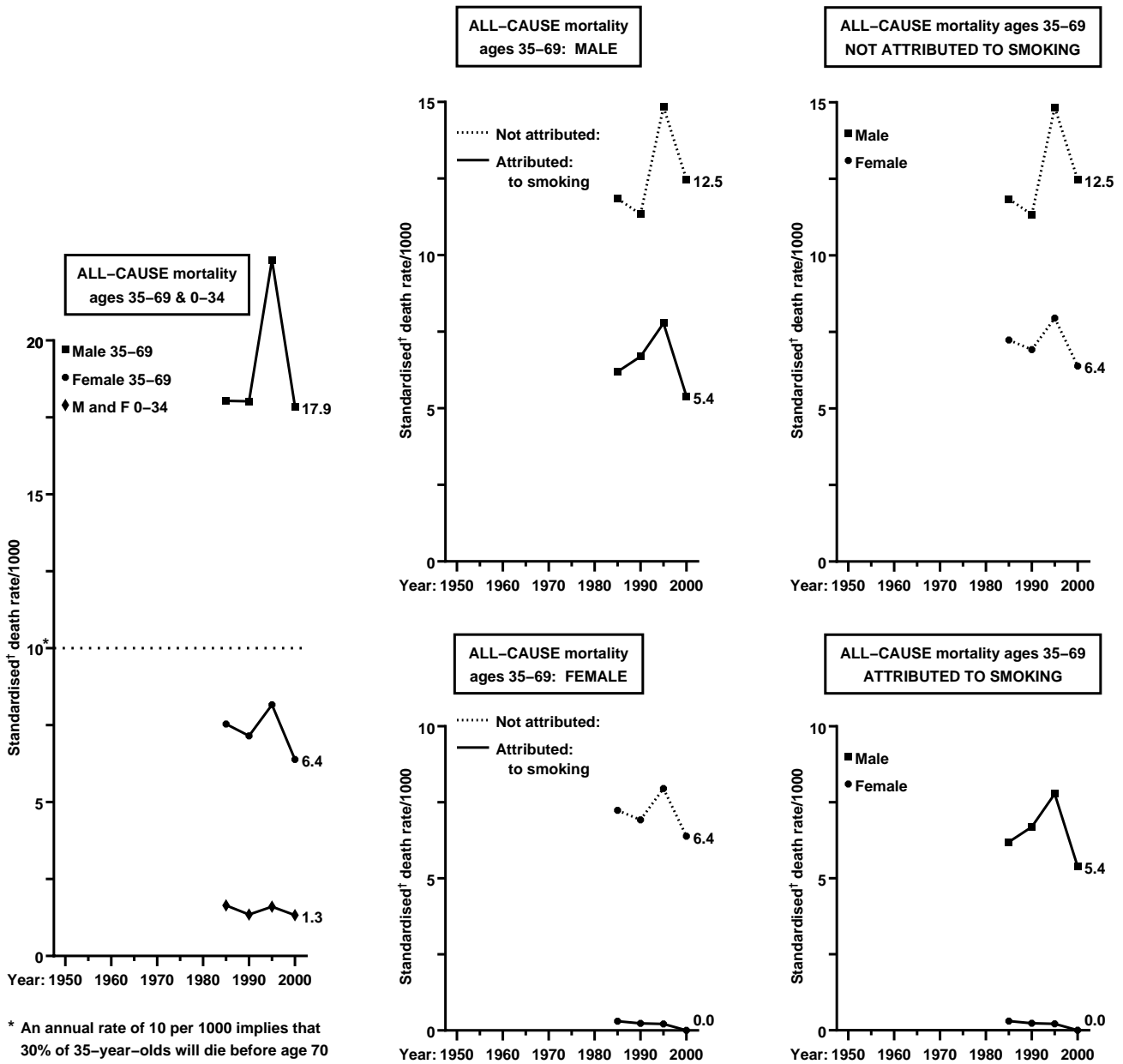
\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: LITHUANIA



LITHUANIA: 1985-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

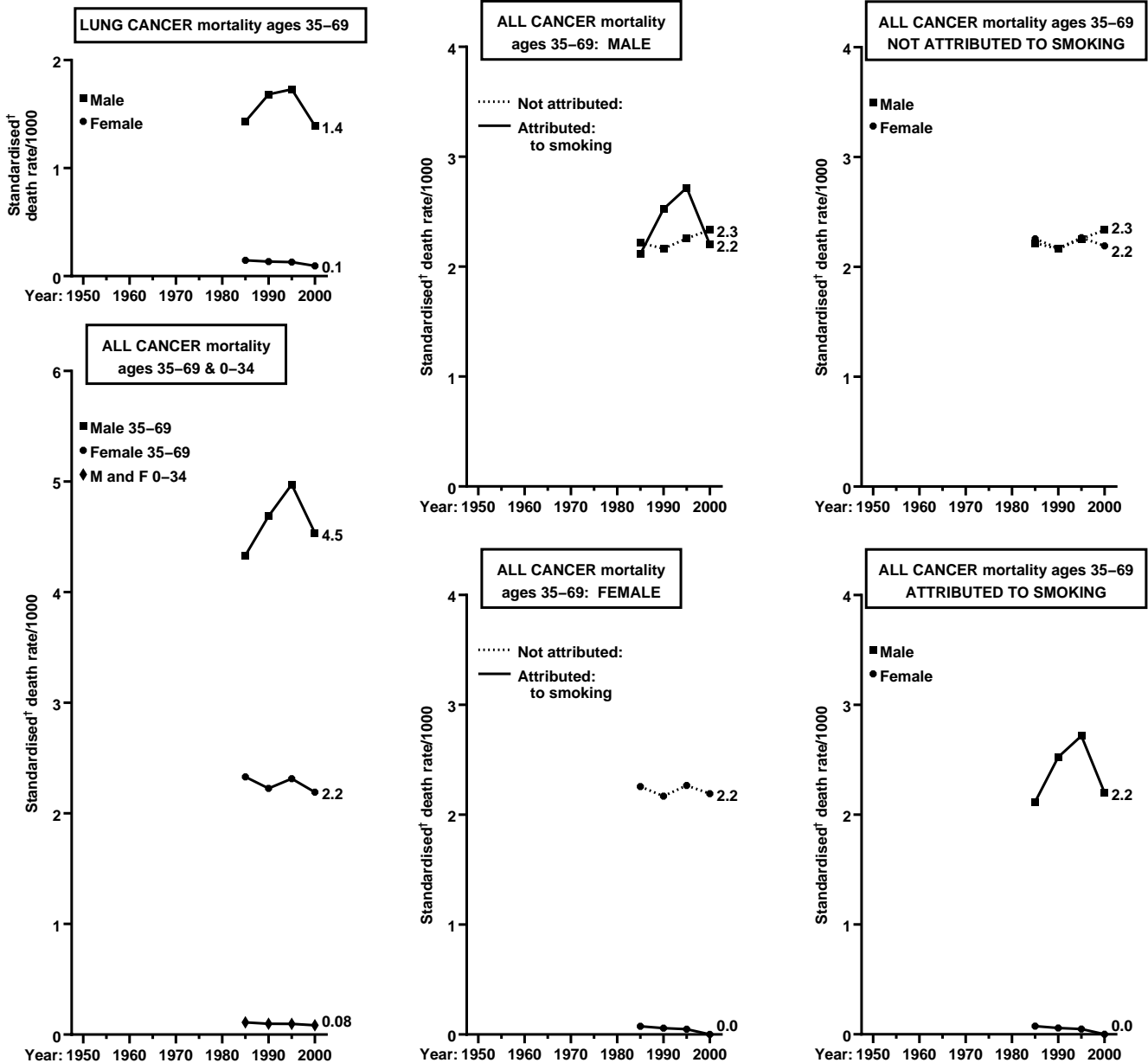
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1985	-	2.32	6.19	11.8	15.1	56.2	-	0.97	0.30	7.23	0.74	43.8	-	0.78	0.23	6.92	1.55	41.4
1990	-	1.91	6.69	11.3	15.0	54.8	-	0.88	0.21	7.95	1.14	40.3	-	0.73	0.00	6.38	0.00	35.0
1995	-	2.32	7.77	14.8	14.0	51.2	-	0.73	0.00	6.38	0.00	35.0	-	0.73	0.00	6.38	0.00	35.0
2000	-	1.91	5.39	12.5	14.0	51.2	-	0.73	0.00	6.38	0.00	35.0	-	0.73	0.00	6.38	0.00	35.0

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: LITHUANIA

ALL CANCER mortality rates attributed and not attributed to smoking



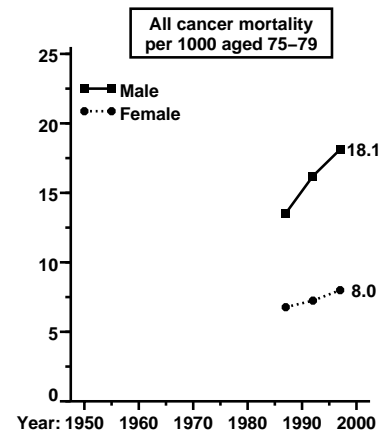
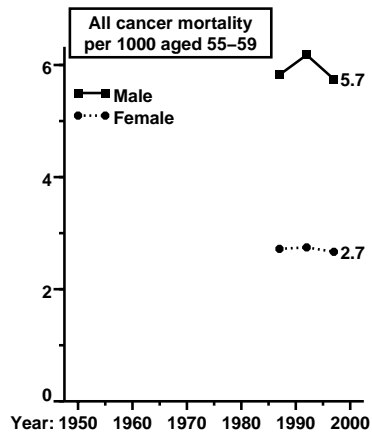
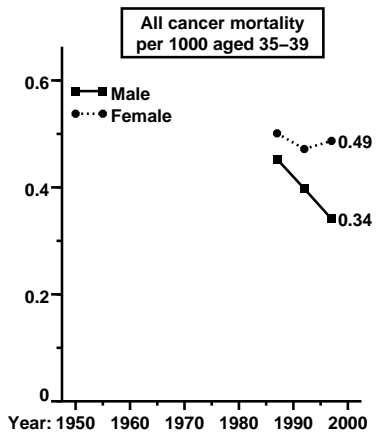
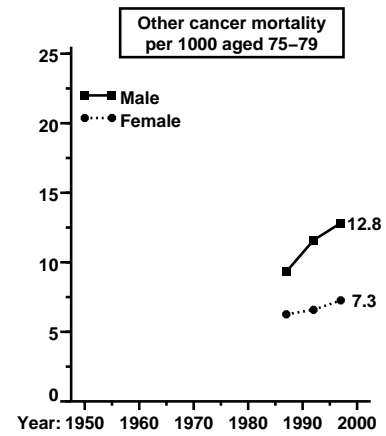
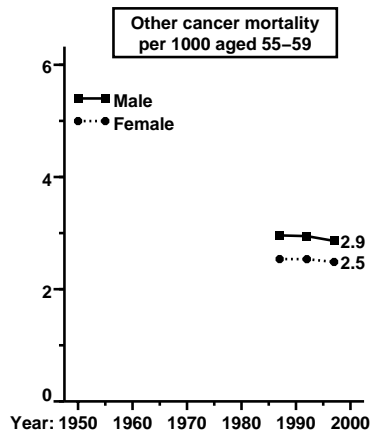
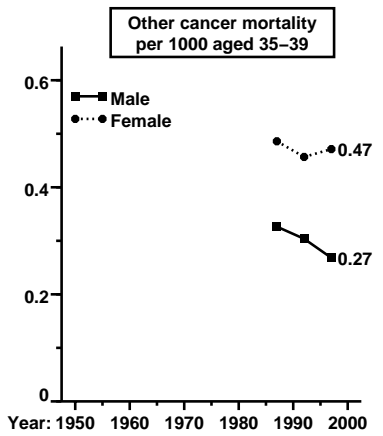
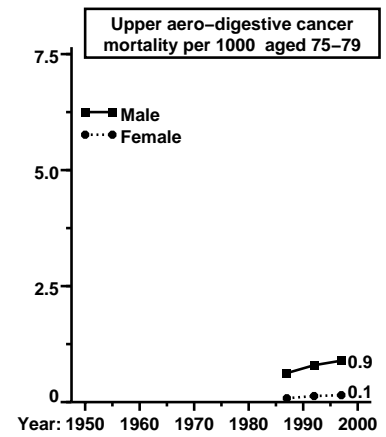
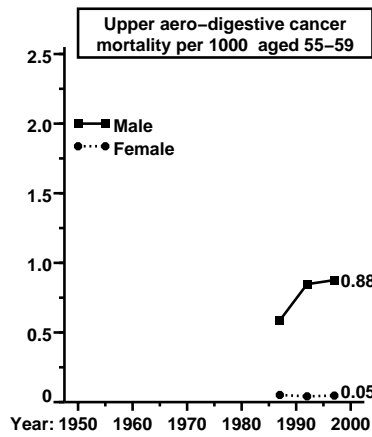
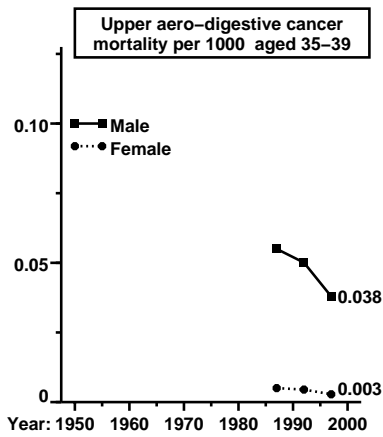
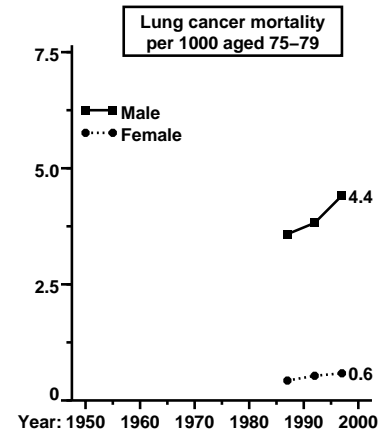
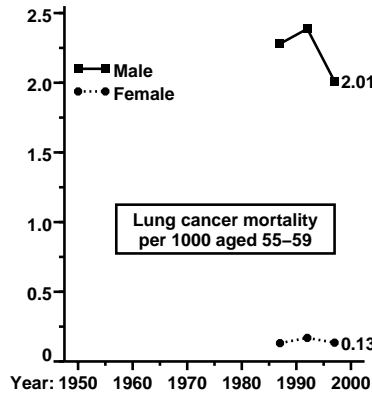
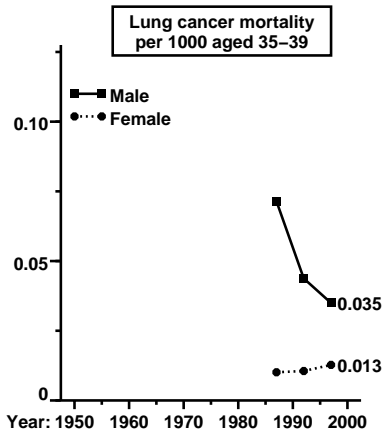
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	0.11	2.12	2.22	4.84	8.45	-	0.11	0.07	2.26	0.13	6.10	-	0.10	0.06	2.17
1990	-	0.09	2.52	2.16	5.64	9.80	-	0.10	0.05	2.27	0.24	6.43	-	0.10	0.05	2.27
1995	-	0.09	2.72	2.26	5.87	10.4	-	0.10	0.00	2.19	0.00	6.90	-	0.10	0.00	2.19
2000	-	0.07	2.20	2.33	5.95	10.9	-	0.10	0.00	2.19	0.00	6.90	-	0.10	0.00	2.19

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**LITHUANIA: 1985-2000**

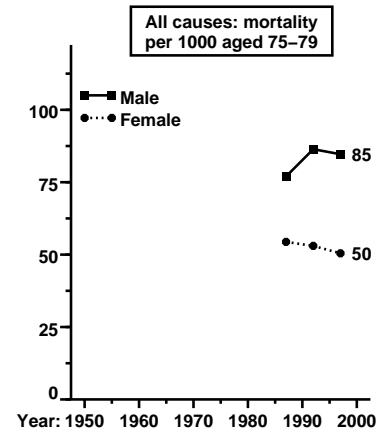
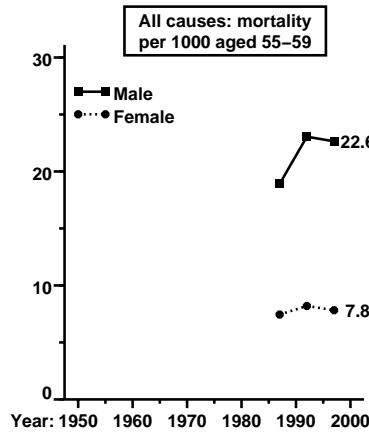
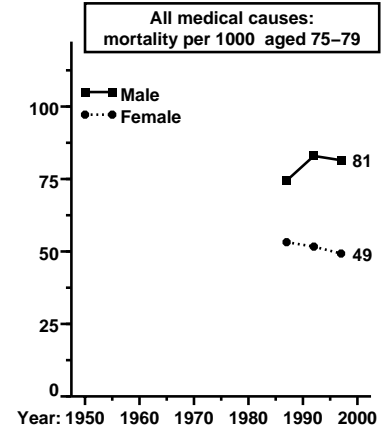
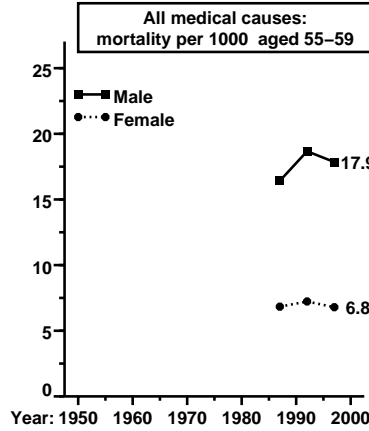
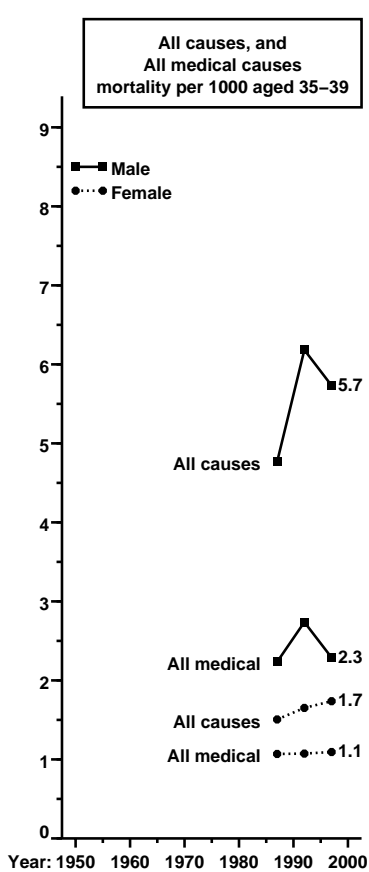
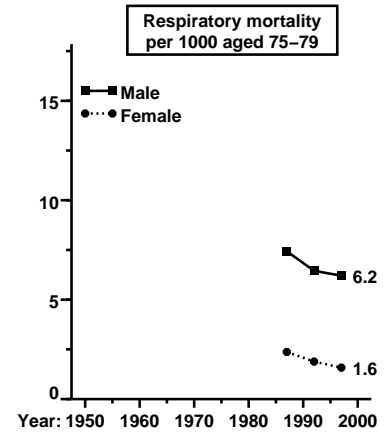
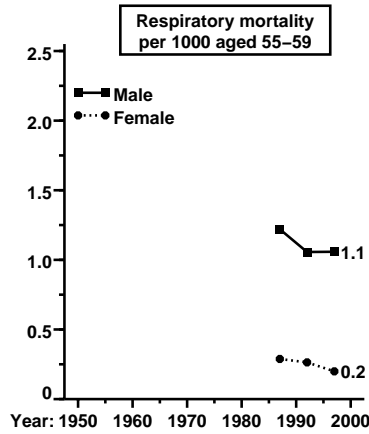
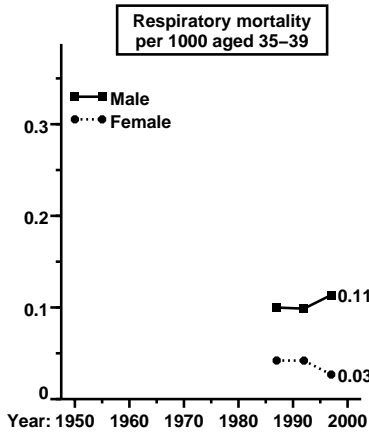
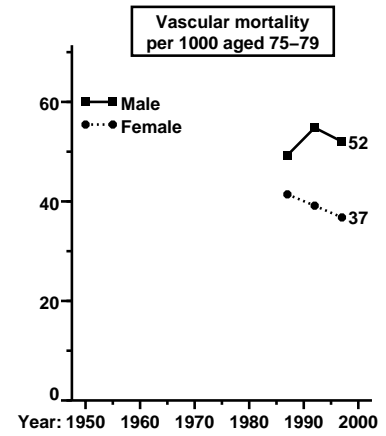
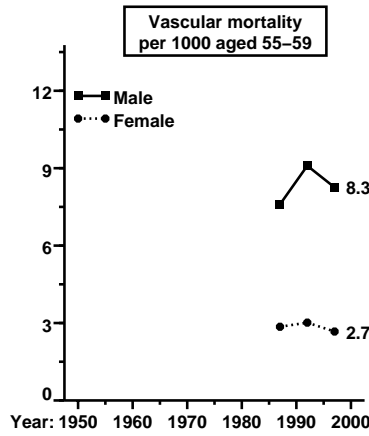
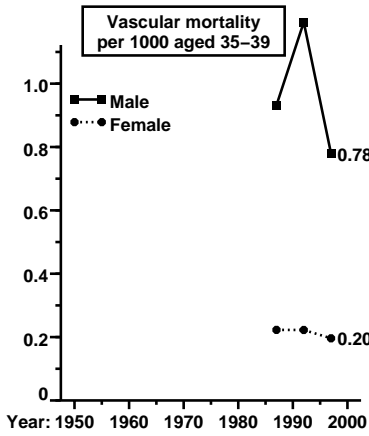
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 284-285

1985-2000: LITHUANIA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 284-285

## LUXEMBOURG: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	1857	96	667	937.5	89.3	882.1	82.8	20.8	-	39.7	167.9	166.7	147.4
	F	1852	39	354	546.6	37.3	441.4	73.0	14.5	7.8	25.2	38.5	38.5	63.5
Tuberculosis	M	2	-	2	1.0	-	2.3	-	-	-	-	-	-	-
	F	1	-	-	0.3	-	-	-	-	-	-	-	-	-
HIV	M	3	1	2	1.2	0.8	1.7	-	-	-	-	-	-	5.3
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	11	2	2	5.5	1.7	2.4	6.9	-	-	-	-	-	5.3
	F	19	-	3	5.5	-	3.9	-	-	-	-	-	-	-
ALL CANCER	M	553	3	237	274.0	2.7	331.0	6.9	6.9	-	-	-	-	5.3
	F	435	5	166	149.3	4.4	209.1	7.3	-	-	-	-	12.8	10.6
Mouth and pharynx cancer	M	24	-	18	11.6	-	23.1	-	-	-	-	-	-	-
	F	4	-	3	1.8	-	3.5	-	-	-	-	-	-	-
Oesophagus cancer	M	18	-	9	8.2	-	10.8	-	-	-	-	-	-	-
	F	6	-	2	2.0	-	2.4	-	-	-	-	-	-	-
Stomach cancer	M	22	-	10	10.9	-	14.5	-	-	-	-	-	-	-
	F	11	-	2	3.2	-	2.4	-	-	-	-	-	-	-
Colorectal cancer	M	60	-	20	30.2	-	28.4	-	-	-	-	-	-	-
	F	58	-	12	16.9	-	14.9	-	-	-	-	-	-	-
Liver cancer	M	16	-	8	7.4	-	12.2	-	-	-	-	-	-	-
	F	6	-	3	2.2	-	3.7	-	-	-	-	-	-	-
Pancreas cancer	M	29	-	11	14.3	-	15.8	-	-	-	-	-	-	-
	F	25	-	4	7.3	-	5.0	-	-	-	-	-	-	-
Larynx cancer	M	9	-	6	4.4	-	8.0	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Lung cancer	M	157	-	79	75.5	-	111.2	-	-	-	-	-	-	-
	F	43	-	23	16.5	-	28.2	-	-	-	-	-	-	-
Malignant melanoma	M	8	-	4	3.8	-	6.2	-	-	-	-	-	-	-
	F	9	2	3	3.5	1.7	3.5	-	-	-	-	-	6.4	5.3
Female breast cancer	F	82	1	49	32.1	0.8	59.9	-	-	-	-	-	-	5.3
Cervix cancer	F	5	-	3	2.0	-	4.0	-	-	-	-	-	-	-
Other uterine cancer	F	13	-	6	4.8	-	8.1	-	-	-	-	-	-	-
Ovarian cancer	F	18	-	8	6.6	-	10.0	-	-	-	-	-	-	-
Prostate cancer	M	60	-	12	32.5	-	18.4	-	-	-	-	-	-	-
Bladder cancer	M	22	-	2	11.8	-	3.3	-	-	-	-	-	-	-
	F	5	-	-	1.4	-	-	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	93	3	43	45.6	2.7	57.8	6.9	6.9	-	-	-	-	5.3
	F	104	2	29	33.3	2.0	37.1	7.3	-	-	-	-	6.4	-
Hodgkin's disease	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	1	-	1	0.4	-	1.5	-	-	-	-	-	-	-
Myeloma and non- Hodgkin lymphomas	M	17	-	7	8.5	-	10.7	-	-	-	-	-	-	-
	F	24	-	9	7.9	-	12.7	-	-	-	-	-	-	-
Leukaemia	M	18	-	8	9.2	-	10.6	-	-	-	-	-	-	-
	F	21	-	9	7.4	-	12.1	-	-	-	-	-	-	-
Diabetes	M	16	-	5	8.1	-	7.5	-	-	-	-	-	-	-
	F	37	-	7	10.6	-	8.6	-	-	-	-	-	-	-
ALL VASCULAR DISEASE	M	651	2	184	336.5	1.7	252.1	-	-	-	-	-	6.4	5.3
	F	790	2	73	209.9	1.5	94.1	-	-	-	-	1.5	-	10.6
Rheumatic heart disease and fever	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Hypertensive disease	M	27	-	4	15.5	-	5.7	-	-	-	-	-	-	-
	F	33	-	3	8.5	-	3.1	-	-	-	-	-	-	-
Ischaemic heart disease	M	263	-	93	131.0	-	125.8	-	-	-	-	-	-	-
	F	203	-	18	54.3	-	23.6	-	-	-	-	-	-	-
Pulmonary embolism and other venous	M	12	-	4	6.3	-	4.8	-	-	-	-	-	-	-
	F	26	1	3	7.2	0.8	4.1	-	-	-	-	-	-	5.3
Cerebrovascular disease	M	158	-	35	83.3	-	49.3	-	-	-	-	-	-	-
	F	268	1	33	73.5	0.8	41.9	-	-	-	-	-	-	5.3
Other vascular disease	M	191	2	48	100.3	1.7	66.7	-	-	-	-	-	6.4	5.3
	F	260	-	16	66.4	-	21.4	-	-	-	-	-	-	-
Chronic obstructive pulmonary disease	M	91	-	32	45.2	-	48.3	-	-	-	-	-	-	-
	F	43	1	7	13.1	1.2	8.1	-	-	8.4	-	-	-	-
Other respiratory disease	M	69	1	17	36.2	0.8	21.6	-	-	-	-	-	-	5.3
	F	85	1	11	22.8	0.8	15.3	-	-	-	-	-	-	5.3
Peptic ulcer	M	5	-	1	2.7	-	1.6	-	-	-	-	-	-	-
	F	6	-	1	1.6	-	1.5	-	-	-	-	-	-	-
Liver cirrhosis	M	51	-	41	24.2	-	50.4	-	-	-	-	-	-	-
	F	27	-	19	11.6	-	21.9	-	-	-	-	-	-	-
Renal disease	M	12	-	1	6.7	-	1.6	-	-	-	-	-	-	-
	F	17	-	-	4.0	-	-	-	-	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	1	1	-	0.4	0.8	-	-	-	-	-	-	-	5.3
	M	7	7	-	3.9	6.9	-	48.3	-	-	-	-	-	-
	F	6	6	-	3.5	6.3	-	43.8	-	-	-	-	-	-
Ill-defined causes	M	48	2	19	25.2	2.1	25.2	6.9	-	-	7.9	-	-	-
	F	63	2	8	17.4	1.8	9.4	7.3	-	-	-	-	-	5.3
Other medical causes	M	144	7	41	75.0	6.3	48.2	-	6.9	-	-	7.6	19.2	10.5
	F	223	4	32	62.4	3.8	40.2	14.6	-	-	-	-	6.4	5.3
ALL NON- MEDICAL CAUSES	M	194	71	83	92.0	66.3	88.1	13.8	6.9	-	31.7	160.3	141.0	110.5
	F	99	17	27	34.2	16.9	29.3	-	14.5	7.8	16.8	38.5	19.2	21.2
Road traffic accidents	M	43	22	16	20.5	20.6	17.1	-	6.9	-	15.9	53.4	25.6	42.1
	F	19	6	6	7.4	6.0	6.5	-	7.2	7.8	-	15.4	6.4	5.3
Fire	M	2	-	2	0.8	-	1.5	-	-	-	-	-	-	-
	F	4	2	1	1.7	1.8	1.4	-	7.2	-	-	-	-	5.3
Suicide	M	48	11	28	22.1	9.9	30.5	-	-	-	-	22.9	25.6	21.1
	F	15	2	10	6.8	2.0	12.1	-	-	-	-	7.7	6.4	-
Homicide	M	5	3	2	2.1	2.8	1.6	-	-	-	-	7.6	6.4	5.3
	F	2	1	1	0.9	1.1	0.8	-	-	-	-	7.7	-	-
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		214.3	102.5	96.6	14.5	14.4	13.3	12.6	13.1	15.6	19.0
			<b>F=female</b>		220.9	99.7	95.2	13.7	13.8	12.8	11.9	13.0	15.6	18.9



## 2000: LUXEMBOURG

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
127.6	248.6	374.2	510.6	918.9	1535.4	2459.8	3519.0	6075.0	17363.6	M	ALL CAUSES	001-999/A00-Y89
68.8	174.4	189.2	348.5	611.1	657.1	1040.8	1989.8	3513.2	11593.0	F		
-	-	-	7.1	9.0	-	-	-	-	-	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	5.6	6.5	-	-	-	-	-	13.2	-	F		
-	-	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
5.1	-	-	-	-	-	11.5	25.3	-	151.5	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	-	-	7.6	-	9.5	10.2	30.6	52.6	104.7	F		
10.2	56.5	103.2	120.6	360.4	585.9	1080.5	1303.8	1950.0	4000.0	M	ALL CANCER	140-208/C00-C97
15.9	81.4	81.1	159.1	314.8	352.4	459.2	714.3	881.6	1476.7	F		
-	16.9	12.9	7.1	27.0	40.4	57.5	12.7	75.0	60.6	M	Mouth and pharynx cancer	140-149/C00-C14
-	5.8	-	-	18.5	-	-	-	-	11.6	F		
-	-	19.4	14.2	9.0	10.1	23.0	88.6	-	60.6	M	Oesophagus cancer	150/C15
-	-	-	7.6	9.3	-	-	-	13.2	34.9	F		
-	-	6.5	7.1	-	30.3	57.5	38.0	100.0	151.5	M	Stomach cancer	151/C16
-	-	6.8	-	-	-	10.2	20.4	39.5	46.5	F		
-	5.6	6.5	7.1	36.0	40.4	103.4	151.9	225.0	575.8	M	Colorectal cancer	153, 154/C18-C21
-	11.6	6.8	7.6	-	47.6	30.6	71.4	131.6	337.2	F		
-	-	-	-	9.0	30.3	46.0	63.3	50.0	30.3	M	Liver cancer	155.0/C22 excl C221
-	-	6.8	-	9.3	-	10.2	10.2	-	23.3	F		
-	-	-	-	36.0	40.4	34.5	101.3	75.0	212.1	M	Pancreas cancer	157/C25
-	-	6.8	-	9.3	19.0	-	61.2	13.2	162.8	F		
-	5.6	-	-	27.0	-	23.0	12.7	25.0	30.3	M	Larynx cancer	161/C32
-	-	-	-	-	-	-	-	-	-	F		
-	5.6	38.7	56.7	99.1	222.2	356.3	443.0	525.0	666.7	M	Lung cancer	162/C33, C34
-	17.4	13.5	22.7	55.6	47.6	40.8	61.2	118.4	58.1	F		
-	-	-	-	-	20.2	23.0	25.3	25.0	30.3	M	Malignant melanoma	172/C43
-	-	-	15.2	-	9.5	-	10.2	39.5	-	F		
-	34.9	33.8	60.6	101.9	76.2	112.2	91.8	52.6	220.9	F	Female breast cancer	174/C50
-	-	-	-	9.3	19.0	-	-	13.2	11.6	F	Cervix cancer	180/C53
-	-	-	-	18.5	38.1	-	20.4	13.2	46.5	F	Other uterine cancer	179, 182/C54, C55
5.3	-	-	7.6	27.8	19.0	10.2	40.8	39.5	34.9	F	Ovarian cancer	183/C56, C570-C574
-	-	-	-	18.0	30.3	80.5	75.9	250.0	969.7	M	Prostate cancer	185/C61
-	-	-	-	-	-	23.0	38.0	125.0	363.6	M	Bladder cancer	188/C67
-	-	-	-	-	-	-	30.6	-	23.3	F		
10.2	11.3	19.4	28.4	72.1	90.9	172.4	215.2	250.0	606.1	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
10.6	11.6	6.8	22.7	27.8	47.6	132.7	224.5	315.8	314.0	F	Hodgkin's disease	201/C81
-	-	-	-	-	-	10.2	-	-	-	M		
-	-	-	-	9.0	20.2	46.0	25.3	125.0	90.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	-	-	-	18.5	19.0	51.0	20.4	52.6	104.7	F	Leukaemia	204-208/C91-C95
-	11.3	-	-	18.0	10.1	34.5	12.7	100.0	151.5	M		
-	-	-	15.2	9.3	9.5	51.0	51.0	39.5	46.5	F		
-	-	-	-	9.0	20.2	23.0	50.6	25.0	181.8	M	Diabetes	250/E10-E14
-	5.8	-	15.2	9.3	9.5	20.4	30.6	39.5	279.1	F		
10.2	28.2	90.3	156.0	252.3	515.2	712.6	1392.4	2500.0	7727.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
5.3	23.3	47.3	53.0	111.1	133.3	285.7	734.7	1631.6	6034.9	F		
-	-	-	-	-	-	-	-	-	-	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	-	-	-	-	-	-	-	F		
-	-	-	-	18.0	10.1	11.5	12.7	50.0	606.1	M	Hypertensive disease	401-405/I10-I15
-	11.6	-	-	-	-	10.2	30.6	52.6	267.4	F		
5.1	11.3	51.6	99.3	117.1	262.6	333.3	708.9	1075.0	2151.5	M	Ischaemic heart disease	410-414/I20-I25
-	11.6	-	15.2	18.5	38.1	81.6	265.3	513.2	1395.3	F		
-	-	12.9	-	9.0	-	11.5	25.3	-	181.8	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
-	-	-	-	9.3	9.5	10.2	20.4	52.6	186.0	F		
5.1	5.6	19.4	7.1	63.1	60.6	183.9	303.8	600.0	2272.7	M	Cerebrovascular disease	430-438/I60-I69
5.3	-	33.8	30.3	46.3	85.7	91.8	224.5	644.7	1895.3	F		
-	11.3	6.5	49.6	45.0	181.8	172.4	341.8	775.0	2515.2	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
-	-	13.5	7.6	37.0	-	91.8	193.9	368.4	2290.7	F		
-	5.6	-	14.2	9.0	90.9	218.4	240.5	350.0	787.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	5.8	-	30.3	-	-	20.4	102.0	131.6	174.4	F	Other respiratory disease	Rest of 460-519/ rest of J00-J98
10.2	11.3	6.5	-	27.0	50.5	46.0	101.3	275.0	969.7	M		
-	-	-	7.6	38.1	61.2	61.2	30.6	131.6	697.7	F		
-	-	-	-	-	-	11.5	12.7	-	90.9	M	Peptic ulcer	531-533/K25-K27
-	-	-	-	-	-	10.2	10.2	-	46.5	F		
-	11.3	45.2	70.9	54.1	90.9	80.5	88.6	50.0	30.3	M	Liver cirrhosis	571/K70, K74
10.6	11.6	6.8	30.3	64.8	19.0	10.2	40.8	13.2	34.9	F		
-	-	-	-	-	-	11.5	12.7	50.0	242.4	M	Renal disease	580-590/N00-N19
-	-	-	-	-	-	-	-	26.3	174.4	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
5.1	-	6.5	28.4	27.0	40.4	69.0	50.6	125.0	545.5	M	Ill-defined causes	780-799/R00-R99
-	5.8	13.5	7.6	9.3	9.5	20.4	30.6	78.9	511.6	F		
10.2	22.6	58.1	42.6	63.1	60.6	80.5	189.9	525.0	1818.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
-	17.4	27.0	30.3	37.0	57.1	112.2	163.3	421.1	1616.3	F		
76.5	107.3	58.1	70.9	108.1	80.8	114.9	50.6	225.0	818.2	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
37.0	23.3	13.5	7.6	64.8	28.6	30.6	102.0	92.1	441.9	F		
10.2	5.6	32.3	14.2	36.0	10.1	11.5	-	25.0	121.2	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
10.6	5.8	-	-	9.3	9.5	10.2	30.6	26.3	23.3	F		
5.1	5.6	-	-	-	-	-	-	-	-	M	Fire	E890-E899/X00-X09
-	-	-	-	-	9.5	-	10.2	-	-	F		
30.6	33.9	12.9	7.1	54.1	40.4	34.5	25.3	75.0	121.2	M	Suicide	E950-E959/X60-X84
5.3	5.8	-	7.6	46.3	9.5	10.2	10.2	13.2	11.6	F		
-	11.3	-	-	-	-	-	-	-	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
5.3	-	-	-	-	-	-	-	-	-	F		
19.6	17.7	15.5	14.1	11.1	9.9	8.7	7.9	4.0	3.3	M	POPULATION	
18.9	17.2	14.8	13.2	10.8	10.5	9.8	9.8	7.6	8.6	F	(1000s; UN, 2004 revision)	

<b>LUXEMBOURG: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	90	5	0	0	5	0	2	6	0	18	59
35-69	Sm.	263	142	86	28	28	22	1	68	-	30	-
	Total	766 (34%)	294 (48%)	92 (93%)	41 (68%)	161 (17%)	28 (79%)	6 (17%)	224 (30%)	40	97 (31%)	77
70+	Sm.	272	117	75	9	33	53	7	72	-	23	-
	Total	1043 (26%)	286 (41%)	82 (91%)	13 (69%)	191 (17%)	67 (79%)	44 (16%)	470 (15%)	7	141 (16%)	28
Any age	Sm.	535	259	161	37	61	75	8	140	-	53	-
	Total	1899 (28%)	585 (44%)	174 (93%)	54 (69%)	357 (17%)	95 (79%)	52 (15%)	700 (20%)	47	256 (21%)	164
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	96	3	0	0	3	0	1	2	0	19	71
35-69	Sm.	209	112	72	20	20	25	5	49	-	18	-
	Total	667 (31%)	237 (47%)	79 (91%)	33 (61%)	125 (16%)	32 (78%)	17 (29%)	184 (27%)	41	73 (25%)	83
70+	Sm.	236	110	71	11	28	43	6	58	-	19	-
	Total	1094 (22%)	313 (35%)	78 (91%)	18 (61%)	217 (13%)	59 (73%)	51 (12%)	465 (12%)	10	156 (12%)	40
Any age	Sm.	445	222	143	31	48	68	11	107	-	37	-
	Total	1857 (24%)	553 (40%)	157 (91%)	51 (61%)	345 (14%)	91 (75%)	69 (16%)	651 (16%)	51	248 (15%)	194

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	199.6	99.4	88.1	16.9	15.3	14.3	11.5	10.8	9.8	9.5	5.4	3.6	3.1
2000	214.3	102.5	96.6	19.6	17.7	15.5	14.1	11.1	9.9	8.7	7.9	4.0	3.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1899	90	766	37	46	53	84	128	159	259	214	237	592
2000	1857	96	667	25	44	58	72	102	152	214	278	243	573
<b>Lung cancer</b>													
1995	174	-	92	1	-	6	10	20	22	33	25	26	31
2000	157	-	79	-	1	6	8	11	22	31	35	21	22
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1050.0*	85.1*	1022.1*	218.9	300.7	370.6	730.4	1185.2	1622.4	2726.3	3963.0	6583.3	19096.8
2000	937.5*	89.3*	882.1*	127.6	248.6	374.2	510.6	918.9	1535.4	2459.8	3519.0	6075.0	17363.6
<b>All cancer</b>													
1995	319.7*	4.5*	406.0*	41.4	32.7	69.9	313.0	564.8	704.1	1115.8	1351.9	1916.7	4645.2
2000	274.0*	2.7*	331.0*	10.2	56.5	103.2	120.6	360.4	585.9	1080.5	1303.8	1950.0	4000.0
<b>Lung cancer</b>													
1995	94.0*	-	127.4*	5.9	-	42.0	87.0	185.2	224.5	347.4	463.0	722.2	1000.0
2000	75.5*	-	111.2*	-	5.6	38.7	56.7	99.1	222.2	356.3	443.0	525.0	666.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	28.5*	-	53.9*	17.8	6.5	14.0	43.5	129.6	71.4	94.7	55.6	138.9	161.3
2000	24.2*	-	41.9*	-	22.6	32.3	21.3	63.1	50.5	103.4	113.9	100.0	151.5
<b>Other cancer</b>													
1995	197.2*	4.5*	224.6*	17.8	26.1	14.0	182.6	250.0	408.2	673.7	833.3	1055.6	3483.9
2000	174.3*	2.7*	177.9*	10.2	28.2	32.3	42.6	198.2	313.1	620.7	746.8	1325.0	3181.8
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	53.9*	-	38.4*	-	6.5	21.0	17.4	46.3	51.0	126.3	203.7	583.3	1129.0
2000	45.2*	-	48.3*	-	5.6	-	14.2	9.0	90.9	218.4	240.5	350.0	787.9
<b>Other respiratory disease</b>													
1995	31.4*	1.6*	7.8*	-	6.5	-	8.7	18.5	-	21.1	92.6	111.1	1129.0
2000	36.2*	0.8*	21.6*	10.2	11.3	6.5	-	27.0	50.5	46.0	101.3	275.0	969.7
<b>Vascular disease</b>													
1995	396.7*	5.7*	304.3*	41.4	71.9	118.9	156.5	314.8	489.8	936.8	1629.6	2972.2	8871.0
2000	336.5*	1.7*	252.1*	10.2	28.2	90.3	156.0	252.3	515.2	712.6	1392.4	2500.0	7727.3
<b>Liver cirrhosis</b>													
1995	24.5*	-	51.0*	11.8	19.6	35.0	60.9	64.8	102.0	63.2	18.5	111.1	64.5
2000	24.2*	-	50.4*	-	11.3	45.2	70.9	54.1	90.9	80.5	88.6	50.0	30.3
<b>Other medical causes</b>													
1995	141.9*	17.5*	128.9*	29.6	45.8	55.9	95.7	92.6	214.3	368.4	611.1	777.8	2580.6
2000	129.4*	17.8*	90.6*	20.4	28.2	71.0	78.0	108.1	121.2	206.9	341.8	725.0	3030.3
<b>All non-medical causes</b>													
1995	81.9*	55.7*	85.7*	94.7	117.6	69.9	78.3	83.3	61.2	94.7	55.6	111.1	677.4
2000	92.0*	66.3*	88.1*	76.5	107.3	58.1	70.9	108.1	80.8	114.9	50.6	225.0	818.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: LUXEMBOURG

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	47	3	0	0	3	0	1	2	0	18	23
35-69	Sm.	13	5	5	0	0	4	0	3	-	1	-
	Total	356 (4%)	157 (3%)	13 (38%)	7 (0%)	137 (0%)	19 (21%)	5 (0%)	89 (3%)	13	51 (2%)	22
70+	Sm.	97	24	19	1	4	22	1	37	-	13	-
	Total	1398 (7%)	274 (9%)	26 (73%)	4 (25%)	244 (2%)	40 (55%)	40 (3%)	747 (5%)	3	261 (5%)	33
Any age	Sm.	110	29	24	1	4	26	1	40	-	14	-
	Total	1801 (6%)	434 (7%)	39 (62%)	11 (9%)	384 (1%)	59 (44%)	46 (2%)	838 (5%)	16	330 (4%)	78
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	39	5	0	0	5	1	1	2	0	13	17
35-69	Sm.	40	19	16	1	2	5	1	8	-	7	-
	Total	354 (11%)	166 (11%)	23 (70%)	5 (20%)	138 (1%)	7 (71%)	11 (9%)	73 (11%)	19	51 (14%)	27
70+	Sm.	85	18	12	1	5	18	3	33	-	13	-
	Total	1459 (6%)	264 (7%)	20 (60%)	5 (20%)	239 (2%)	35 (51%)	73 (4%)	715 (5%)	8	309 (4%)	55
Any age	Sm.	125	37	28	2	7	23	4	41	-	20	-
	Total	1852 (7%)	435 (9%)	43 (65%)	10 (20%)	382 (2%)	43 (53%)	85 (5%)	790 (5%)	27	373 (5%)	99

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	205.2	95.9	87.5	16.6	14.6	13.3	11.0	10.9	10.4	10.7	8.7	6.0	7.1
2000	220.9	99.7	95.2	18.9	17.2	14.8	13.2	10.8	10.5	9.8	9.8	7.6	8.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1801	47	356	9	18	24	40	38	93	134	200	228	970
2000	1852	39	354	13	30	28	46	66	69	102	195	267	997
<b>Lung cancer</b>													
1995	39	-	13	-	2	2	2	3	2	2	8	7	11
2000	43	-	23	-	3	2	3	6	5	4	6	9	5
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	608.0*	46.6*	459.5*	54.2	123.3	180.5	363.6	348.6	894.2	1252.3	2298.9	3800.0	13662.0
2000	546.6*	37.3*	441.4*	68.8	174.4	189.2	348.5	611.1	657.1	1040.8	1989.8	3513.2	11593.0
<b>All cancer</b>													
1995	160.2*	2.5*	203.0*	6.0	61.6	90.2	209.1	156.0	375.0	523.4	678.2	1066.7	2126.8
2000	149.3*	4.4*	209.1*	15.9	81.4	81.1	159.1	314.8	352.4	459.2	714.3	881.6	1476.7
<b>Lung cancer</b>													
1995	14.8*	-	16.1*	-	13.7	15.0	18.2	27.5	19.2	18.7	92.0	116.7	154.9
2000	16.5*	-	28.2*	-	17.4	13.5	22.7	55.6	47.6	40.8	61.2	118.4	58.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	4.3*	-	9.1*	-	-	7.5	9.1	-	9.6	37.4	-	16.7	42.3
2000	3.8*	-	5.9*	-	5.8	-	7.6	27.8	-	-	-	13.2	46.5
<b>Other cancer</b>													
1995	141.0*	2.5*	177.9*	6.0	47.9	67.7	181.8	128.4	346.2	467.3	586.2	933.3	1929.6
2000	129.0*	4.4*	175.0*	15.9	58.1	67.6	128.8	231.5	304.8	418.4	653.1	750.0	1372.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	20.7*	-	25.0*	-	-	15.0	-	27.5	67.3	65.4	103.4	66.7	380.3
2000	13.1*	1.2*	8.1*	-	5.8	-	30.3	-	-	20.4	102.0	131.6	174.4
<b>Other respiratory disease</b>													
1995	14.4*	0.8*	6.8*	-	-	-	-	-	19.2	28.0	34.5	150.0	394.4
2000	22.8*	0.8*	15.3*	-	-	-	7.6	-	38.1	61.2	30.6	131.6	697.7
<b>Vascular disease</b>													
1995	262.4*	1.7*	117.3*	6.0	13.7	22.6	54.5	100.9	240.4	383.2	1057.5	1683.3	7802.8
2000	209.9*	1.5*	94.1*	5.3	23.3	47.3	53.0	111.1	133.3	285.7	734.7	1631.6	6034.9
<b>Liver cirrhosis</b>													
1995	7.2*	-	15.9*	6.0	13.7	7.5	9.1	18.3	28.8	28.0	11.5	33.3	-
2000	11.6*	-	21.9*	10.6	11.6	6.8	30.3	64.8	19.0	10.2	40.8	13.2	34.9
<b>Other medical causes</b>													
1995	111.0*	18.6*	66.2*	12.0	13.7	15.0	63.6	27.5	144.2	186.9	367.8	650.0	2676.1
2000	105.7*	12.6*	63.6*	-	29.1	40.5	60.6	55.6	85.7	173.5	265.3	631.6	2732.6
<b>All non-medical causes</b>													
1995	32.0*	23.0*	25.3*	24.1	20.5	30.1	27.3	18.3	19.2	37.4	46.0	150.0	281.7
2000	34.2*	16.9*	29.3*	37.0	23.3	13.5	7.6	64.8	28.6	30.6	102.0	92.1	441.9

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## LUXEMBOURG: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 96	– / 39	–
35–69	209 / 667	40 / 354	22 years
70+	236 / 1094	85 / 1459	8 years
All ages	445 / 1857	125 / 1852	14 years

## Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

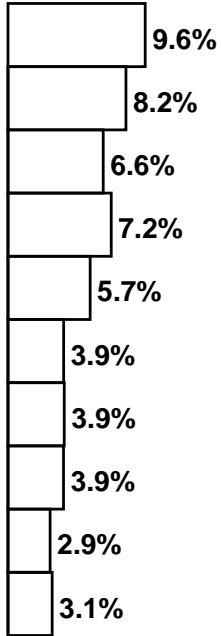
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	72/79	71/78	143/157	– / 0	16/23	12/20	28/43
All Cancer	– / 3	112/237 (47%)	110/313 (35%)	222/553	– / 5	19/166 (11%)	18/264 (7%)	37/435
Vascular	– / 2	49/184	58/465	107/651	– / 2	8/73	33/715	41/790
Respiratory	– / 1	30/49	49/110	79/160	– / 2	6/18	21/108	27/128
All Other	– / 90	18/197	19/206	37/493	– / 30	7/97	13/372	20/499
All Causes	– / 96	209/667 (31%)	236/1094 (22%)	445/1857	– / 39	40/354 (11%)	85/1459 (6%)	125/1852

Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths in the year 2000

Cause	Male	Female	Male + Female
All Cancer	222 / 553 (40%)	37 / 435 (9%)	259 / 988 (26%)
All Causes	445 / 1857 (24%)	125 / 1852 (7%)	570 / 3709 (15%)

1955-2000: LUXEMBOURG

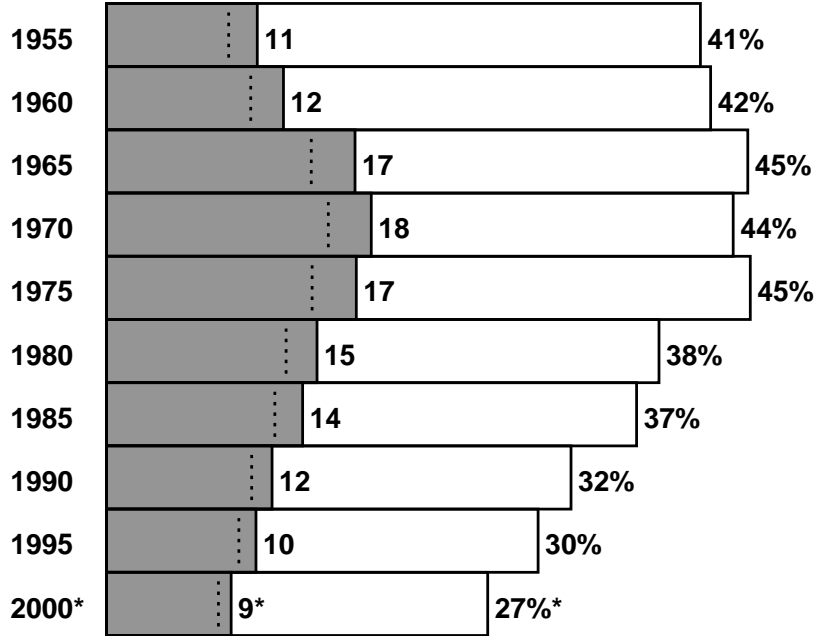
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

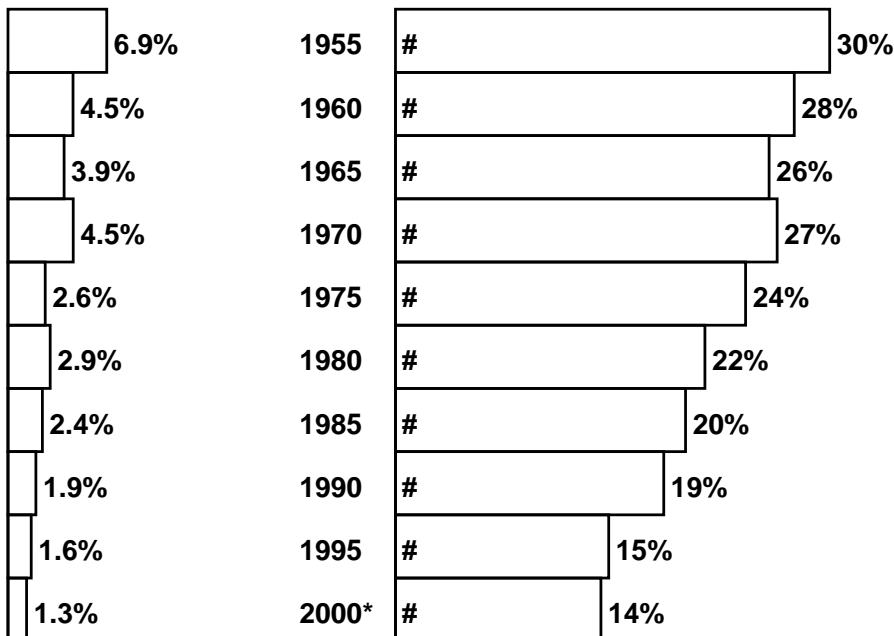
\*eg, at year 2000 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 9 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

## LUXEMBOURG: 1950-2000

## Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/223	232/856 <b>(27%)</b>	40/833 <b>(5%)</b>	272/1912	-/146	0/591	0/858	0/1595
1960	-/211	279/893 <b>(31%)</b>	61/921 <b>(7%)</b>	340/2025	-/108	0/571	0/1012	0/1691
1965	-/168	415/1049 <b>(40%)</b>	145/1030 <b>(14%)</b>	560/2247	-/94	0/593	0/1084	0/1771
1970	-/181	432/1021 <b>(42%)</b>	175/1089 <b>(16%)</b>	607/2291	-/107	9/627	0/1131	9/1865
1975	-/156	402/1032 <b>(39%)</b>	250/1144 <b>(22%)</b>	652/2332	-/62	2/576	20/1405	22/2043
1980	-/105	321/827 <b>(39%)</b>	261/1184 <b>(22%)</b>	582/2116	-/70	22/483	10/1465	32/2018
1985	-/107	283/766 <b>(37%)</b>	315/1227 <b>(26%)</b>	598/2100	-/61	41/443	0/1476	41/1980
1990	-/108	249/727 <b>(34%)</b>	274/1078 <b>(25%)</b>	523/1913	-/51	41/443	21/1426	62/1920
1995	-/90	263/766 <b>(34%)</b>	272/1043 <b>(26%)</b>	535/1899	-/47	13/356	97/1398 <b>(7%)</b>	110/1801
2000	-/96	209/667 <b>(31%)</b>	236/1094 <b>(22%)</b>	445/1857	-/39	40/354	85/1459 <b>(6%)</b>	125/1852

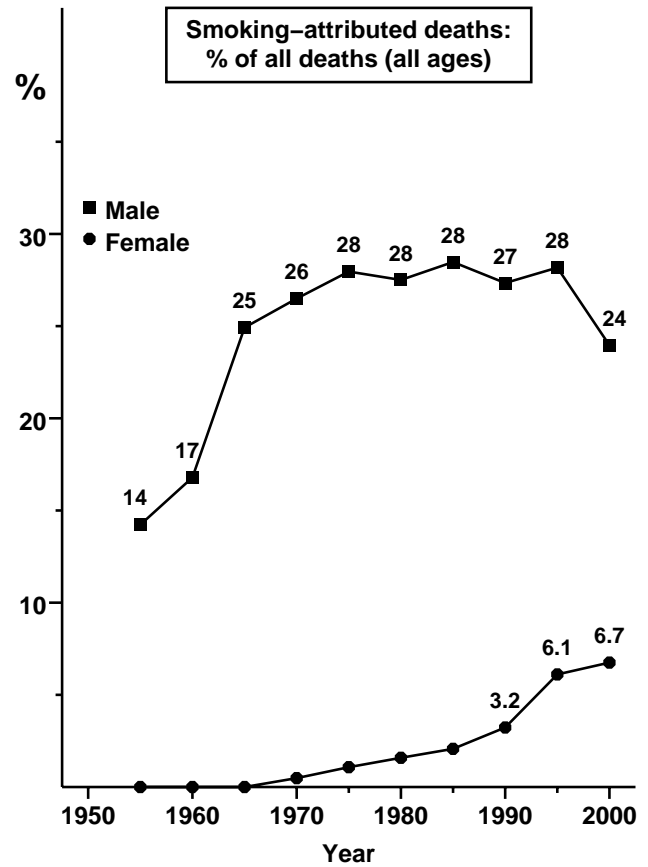
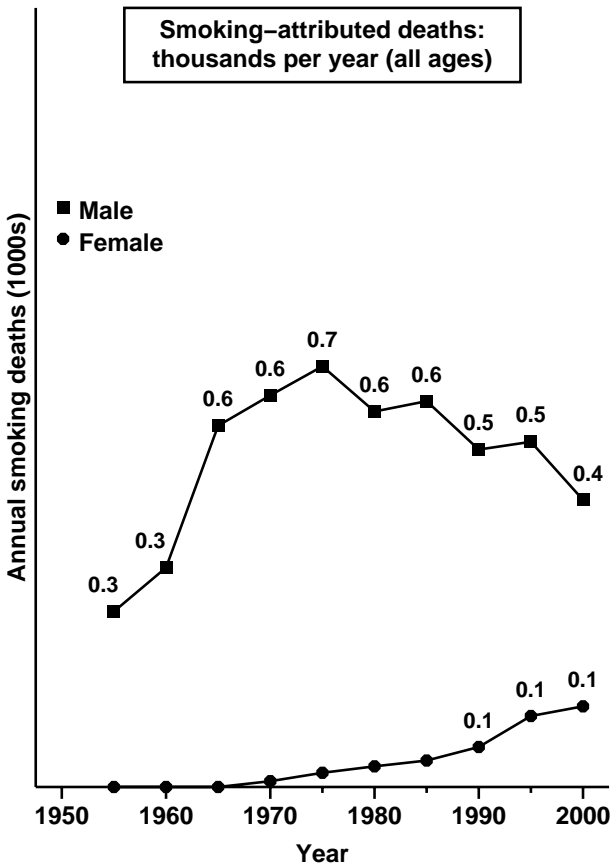
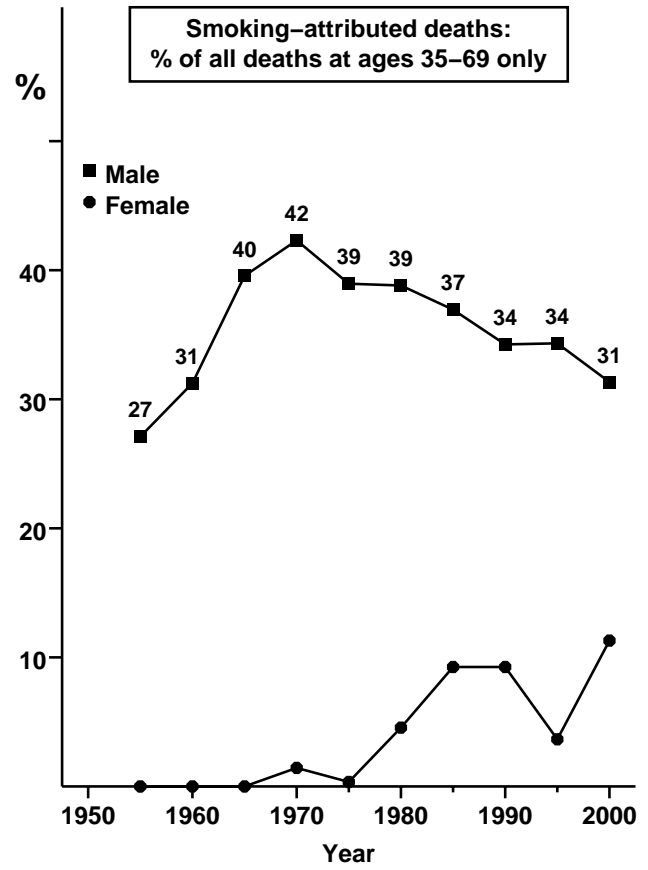
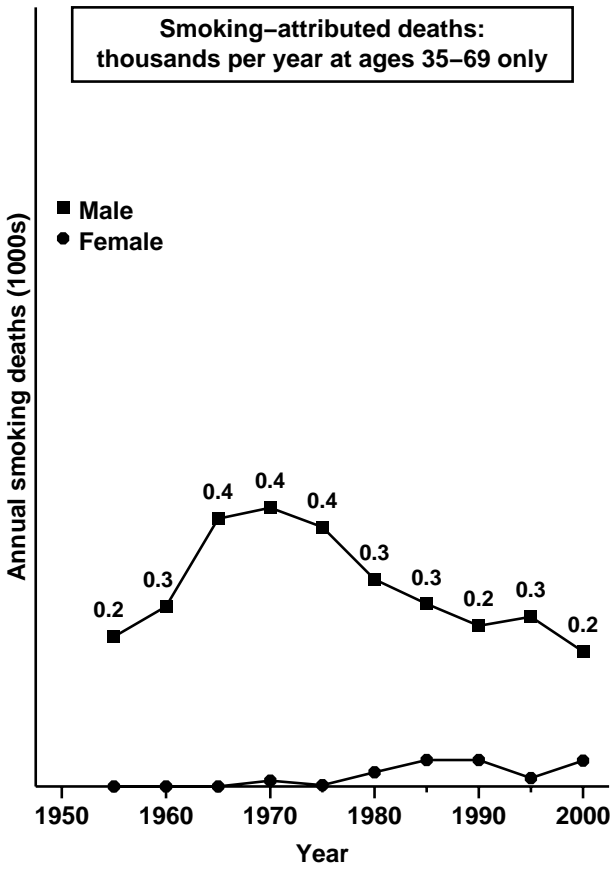
50-year total\* (thousands), mid-1950 to mid-2000: 28 / 197

1950-2000 by age & sex:

-/7.4	16/45 <b>(36%)</b>	10/53 <b>(19%)</b>	26/105	-/4.1	0.6/26 <b>(2%)</b>	1.2/62 <b>(2%)</b>	1.7/92
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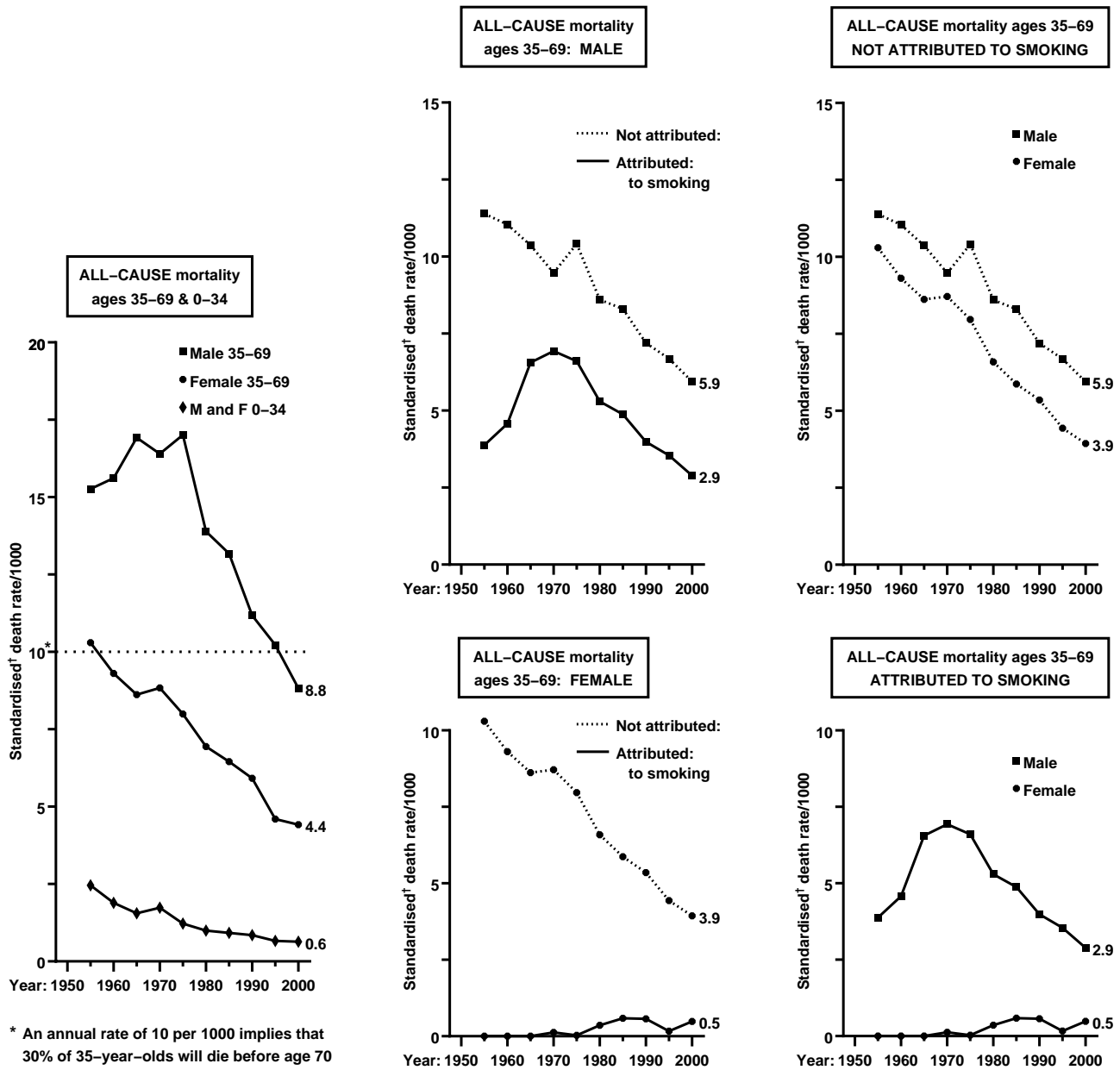
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: LUXEMBOURG



**LUXEMBOURG: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

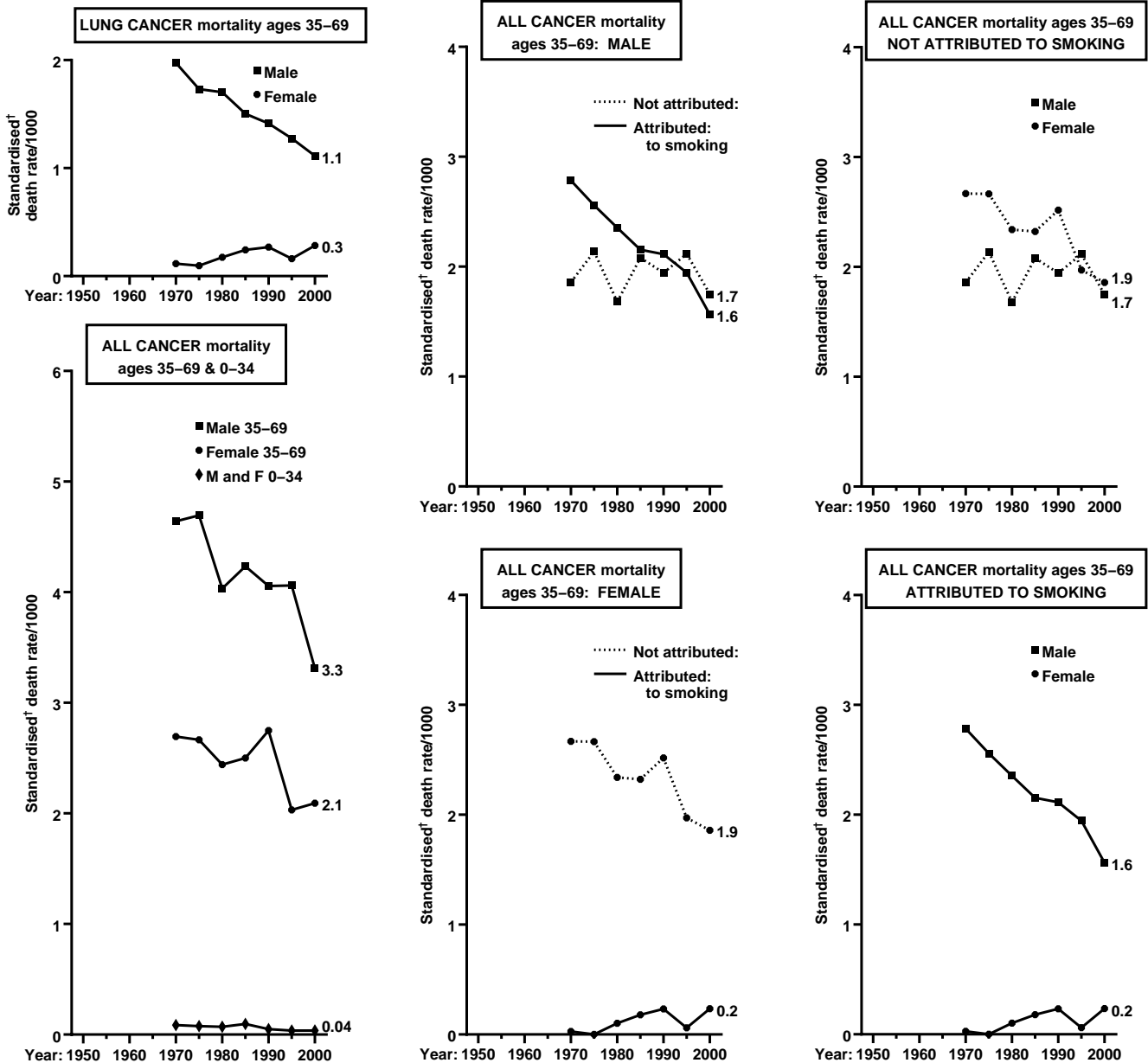
Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	2.87	3.87	11.4	4.22	66.6	-	2.04	0.00	10.3	0.00	54.3	-	2.04	0.00	9.30	0.00	59.2
1960	-	2.45	4.57	11.0	6.20	72.3	-	1.33	0.00	9.30	0.00	56.6	-	1.14	0.00	8.62	0.00	54.2
1965	-	1.96	6.56	10.4	13.4	68.4	-	1.33	0.00	8.62	0.00	56.6	-	1.33	0.12	8.71	0.00	54.2
1970	-	2.13	6.93	9.47	15.7	68.4	-	1.33	0.03	7.96	0.74	62.9	-	0.75	0.03	7.96	0.74	62.9
1975	-	1.68	6.60	10.4	19.7	62.5	-	0.85	0.35	6.58	0.59	46.5	-	0.85	0.35	6.58	0.59	46.5
1980	-	1.13	5.29	8.60	18.6	61.1	-	0.69	0.58	5.87	0.00	41.5	-	0.69	0.58	5.87	0.00	41.5
1985	-	1.14	4.87	8.30	21.0	55.6	-	0.56	0.57	5.35	0.43	33.4	-	0.56	0.57	5.35	0.43	33.4
1990	-	1.13	3.98	7.19	18.6	44.0	-	0.47	0.16	4.43	2.55	27.9	-	0.47	0.16	4.43	2.55	27.9
1995	-	0.85	3.54	6.68	16.0	36.8	-	0.37	0.48	3.93	2.04	25.5	-	0.37	0.48	3.93	2.04	25.5
2000	-	0.89	2.88	5.94	12.1	35.9	-	0.37	0.48	3.93	2.04	25.5	-	0.37	0.48	3.93	2.04	25.5

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)



1970-2000: LUXEMBOURG

ALL CANCER mortality rates attributed and not attributed to smoking



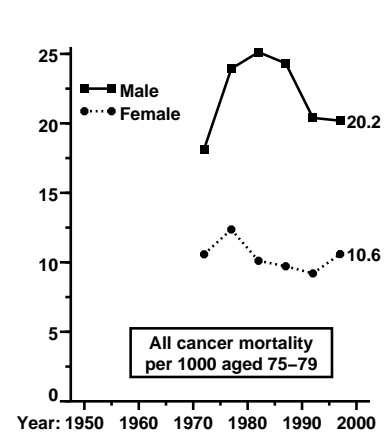
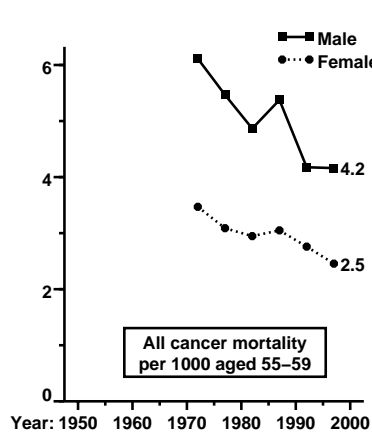
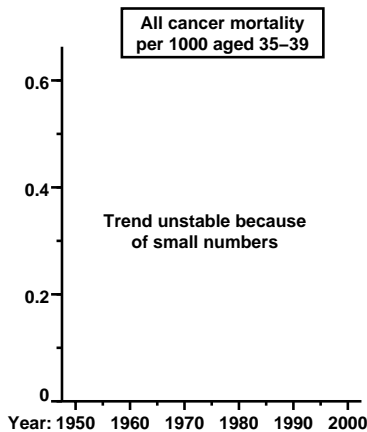
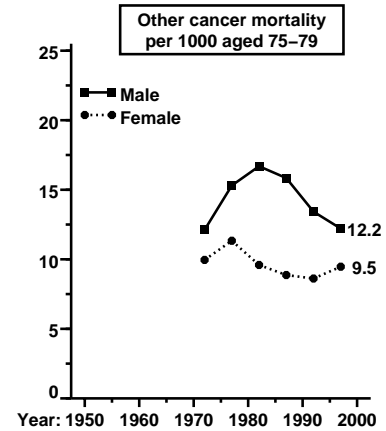
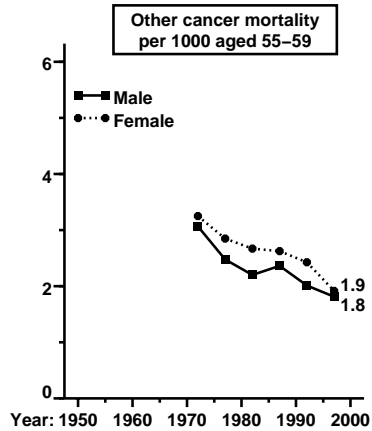
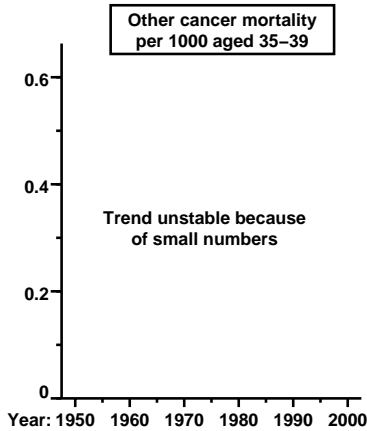
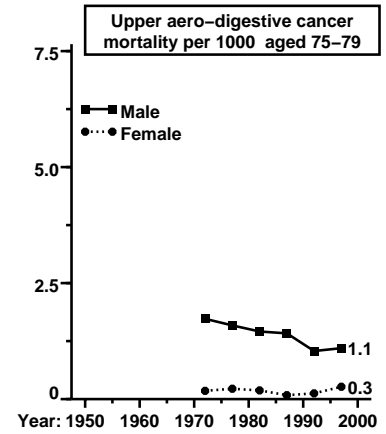
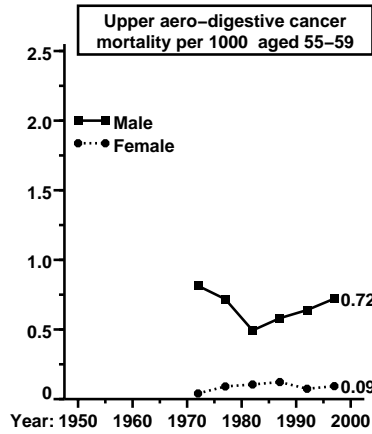
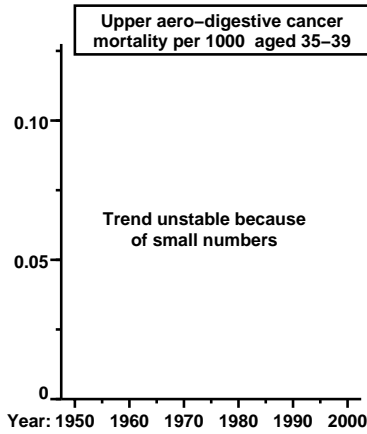
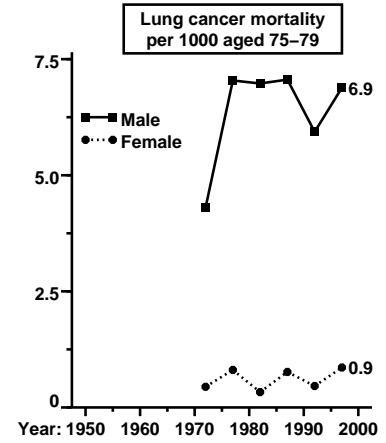
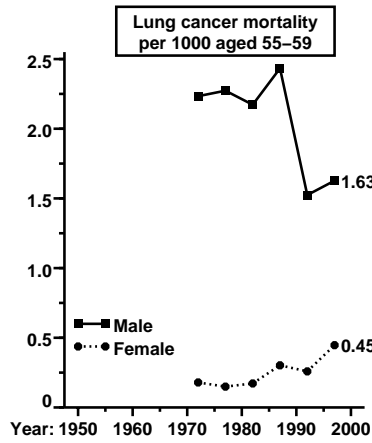
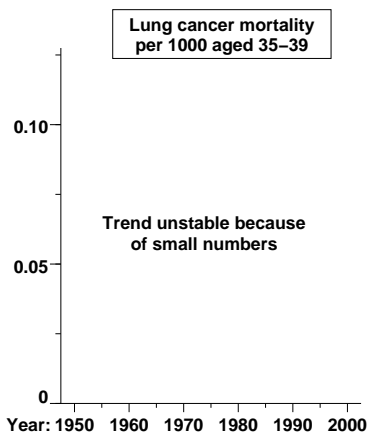
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	-	0.09	2.78	1.86	6.27	11.6	-	0.08	0.03	2.67	0.00	2.66	0.11	11.2	-	8.64
1975	-	0.13	2.56	2.14	8.07	11.6	-	0.02	0.00	2.66	0.11	11.2	-	8.64	-	8.64
1980	-	0.03	2.35	1.68	8.47	12.3	-	0.11	0.10	2.34	0.18	10.0	-	9.76	-	9.76
1985	-	0.09	2.15	2.08	9.32	11.6	-	0.10	0.18	2.32	0.00	9.76	-	7.35	-	7.35
1990	-	0.03	2.11	1.94	8.40	9.01	-	0.07	0.23	2.52	0.14	7.35	-	7.82	-	7.82
1995	-	0.05	1.94	2.12	7.69	8.66	-	0.03	0.06	1.97	0.90	7.82	-	7.31	-	7.31
2000	-	0.03	1.56	1.75	6.41	9.86	-	0.04	0.23	1.86	0.66	7.31	-	7.31	-	7.31

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**LUXEMBOURG: 1970-2000**

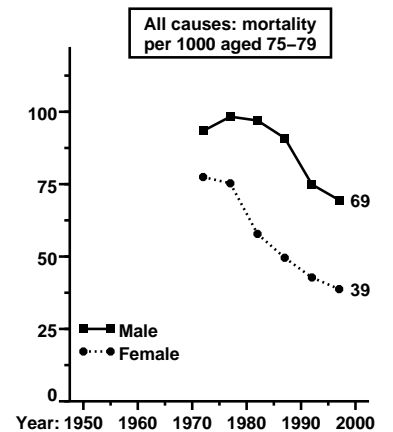
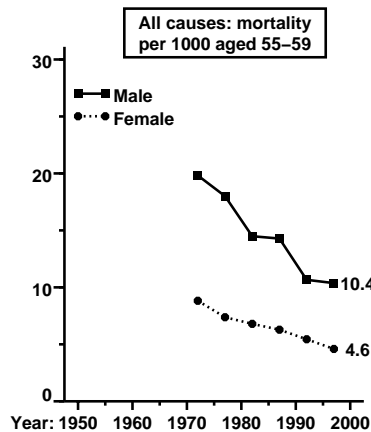
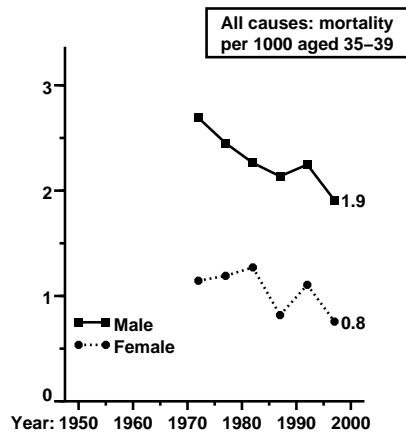
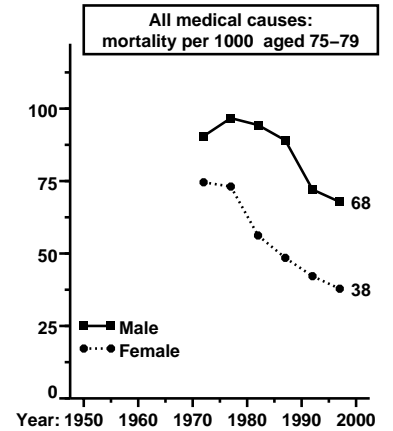
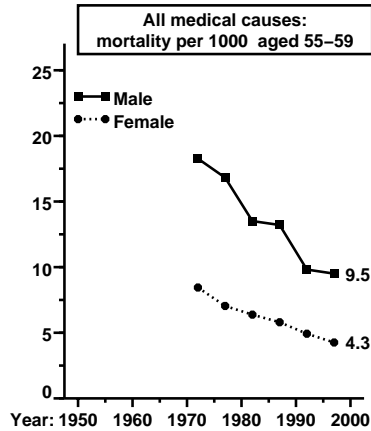
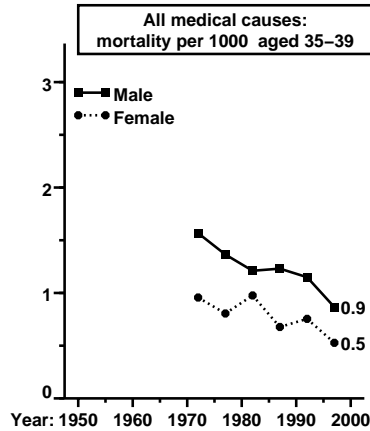
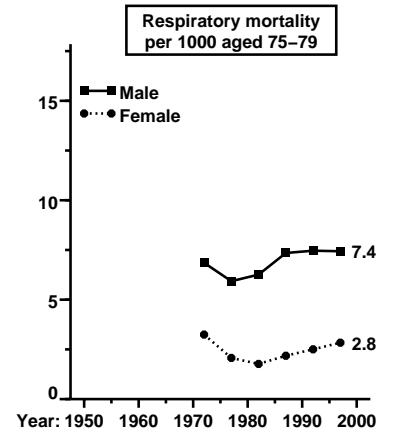
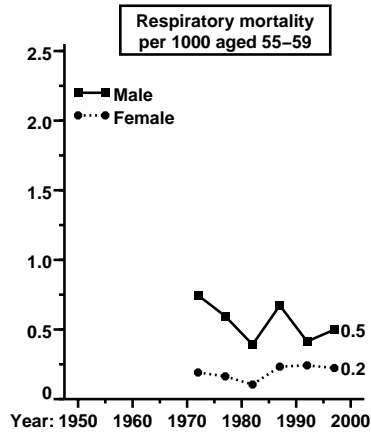
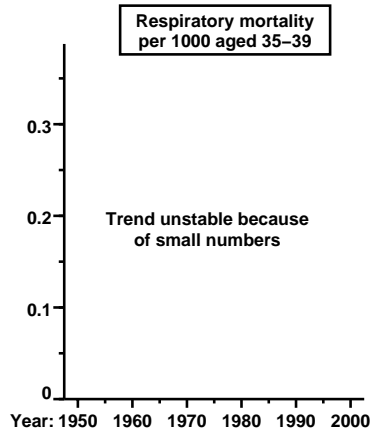
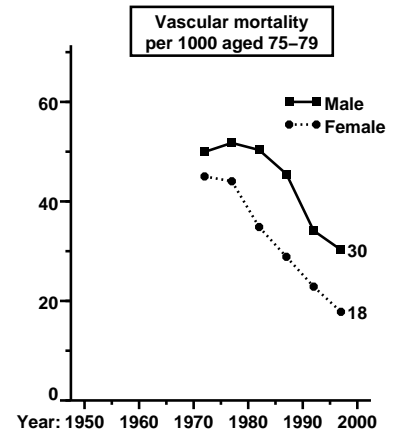
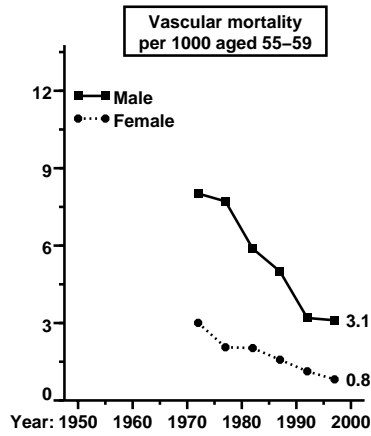
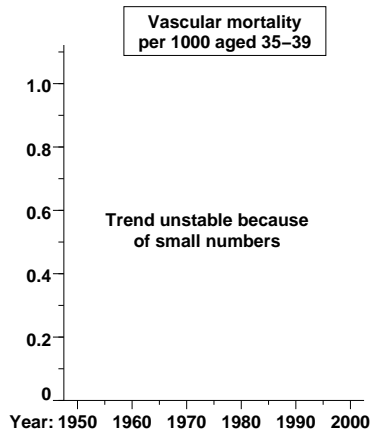
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1970-74,....,1995-99; year 2000 on pages 296-297

1970-2000: LUXEMBOURG

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1970-74,.....,1995-99; year 2000 on pages 296-297

<b>MACEDONIA, The Former Yugoslav Republic of: 2000</b>
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		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	9327	540	4006	1246.1	103.2	1262.3	320.0	29.1	27.9	54.7	93.3	95.3	102.1
	F	7926	329	2519	868.1	68.7	735.9	290.7	14.8	15.4	27.0	46.1	29.1	57.8
Tuberculosis	M	61	3	33	7.5	0.6	10.6	1.5	-	-	-	-	2.5	-
	F	31	5	14	3.2	1.0	4.0	3.2	1.3	-	-	1.2	-	1.3
HIV	M	-	-	-	-	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	38	18	13	4.4	3.7	4.1	22.2	-	1.2	-	1.2	-	1.3
	F	32	18	6	3.8	4.0	1.7	25.6	-	-	1.2	1.2	-	-
ALL CANCER	M	1757	31	1105	214.1	5.6	349.6	3.0	2.5	1.2	1.2	10.8	11.4	9.2
	F	1208	41	738	126.3	7.8	204.0	6.4	2.7	6.4	6.1	2.5	6.6	24.2
Mouth and pharynx cancer	M	40	1	25	4.9	0.2	7.2	-	-	-	-	1.2	-	-
	F	17	1	11	1.8	0.2	2.9	1.6	-	-	-	-	-	-
Oesophagus cancer	M	23	-	17	2.8	-	5.3	-	-	-	-	-	-	-
	F	7	-	4	0.8	-	1.1	-	-	-	-	-	-	-
Stomach cancer	M	234	1	131	29.3	0.2	42.8	-	-	-	-	-	1.3	-
	F	125	-	69	12.7	-	20.4	-	-	-	-	-	-	-
Colorectal cancer	M	166	2	103	19.6	0.4	33.7	-	-	-	-	-	1.3	1.3
	F	135	2	75	14.1	0.4	21.8	-	-	-	-	1.2	-	1.3
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	68	-	48	8.3	-	15.9	-	-	-	-	-	-	-
	F	42	-	18	4.2	-	5.3	-	-	-	-	-	-	-
Larynx cancer	M	74	-	54	8.7	-	16.7	-	-	-	-	-	-	-
	F	5	-	3	0.6	-	0.8	-	-	-	-	-	-	-
Lung cancer	M	495	2	358	59.1	0.4	112.8	-	-	-	-	-	1.3	1.3
	F	104	2	63	10.8	0.4	16.9	-	-	-	-	-	-	2.7
Malignant melanoma	M	30	1	15	4.2	0.2	4.1	-	-	-	-	-	1.3	-
	F	24	-	14	2.6	-	3.7	-	-	-	-	-	-	-
Female breast cancer	F	239	2	173	25.3	0.4	46.9	-	-	-	-	-	-	2.7
Cervix cancer	F	56	2	42	5.7	0.4	10.4	-	-	-	-	-	-	2.7
Other uterine cancer	F	64	1	46	6.7	0.2	12.2	-	-	-	1.2	-	-	-
Ovarian cancer	F	55	2	39	5.7	0.4	10.8	-	-	-	-	-	-	2.7
Prostate cancer	M	105	1	29	13.7	0.2	10.2	-	-	-	-	1.2	-	-
Bladder cancer	M	86	-	45	10.9	-	15.2	-	-	-	-	-	-	-
	F	15	-	9	1.6	-	2.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	350	11	226	42.7	2.0	69.9	3.0	-	1.2	-	3.6	1.3	5.2
	F	274	19	148	29.1	3.7	41.8	4.8	2.7	3.9	3.7	-	4.0	6.7
Hodgkin's disease	M	15	3	10	1.6	0.5	2.5	-	-	-	-	1.2	2.5	-
	F	5	2	2	0.5	0.4	0.5	-	-	-	-	1.2	1.3	-
Myeloma and non-Hodgkin lymphomas	M	33	2	23	3.8	0.4	6.8	-	-	-	-	1.2	1.3	-
	F	8	-	5	0.8	-	1.2	-	-	-	-	-	-	-
Leukaemia	M	38	7	21	4.2	1.2	6.7	-	2.5	-	1.2	2.4	1.3	1.3
	F	33	8	17	3.3	1.5	4.5	-	-	2.6	1.2	-	1.3	5.4
Diabetes	M	225	1	106	29.3	0.2	34.8	-	-	-	-	-	-	1.3
	F	309	2	114	32.0	0.4	35.3	1.6	1.3	-	-	-	-	-
ALL VASCULAR DISEASE	M	4880	36	1757	689.0	6.6	573.3	8.9	1.3	1.2	7.0	9.6	10.2	7.9
	F	4790	28	1194	527.6	5.3	361.8	4.8	2.7	1.3	3.7	12.5	5.3	6.7
Rheumatic heart disease and fever	M	18	-	12	2.1	-	3.6	-	-	-	-	-	-	-
	F	20	2	12	2.0	0.4	3.6	-	-	-	1.2	-	-	1.3
Hypertensive disease	M	176	-	49	25.8	-	16.3	-	-	-	-	-	-	-
	F	229	2	51	26.1	0.4	15.5	-	-	-	-	2.5	-	-
Ischaemic heart disease	M	1230	10	729	154.1	1.8	229.0	-	-	-	-	4.8	3.8	3.9
	F	717	4	313	74.7	0.8	93.7	-	-	-	-	1.2	1.3	2.7
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	1563	8	528	217.9	1.5	177.7	4.4	1.3	1.2	3.5	-	-	-
	F	1714	8	494	184.1	1.6	149.0	3.2	1.3	1.3	1.2	1.2	2.6	-
Other vascular disease, incl. venous	M	1893	18	439	289.1	3.3	146.7	4.4	-	-	3.5	4.8	6.4	3.9
	F	2110	12	324	240.6	2.2	99.9	1.6	1.3	-	1.2	7.5	1.3	2.7
Chronic obstructive pulmonary disease	M	220	2	62	30.9	0.4	21.7	1.5	-	-	-	-	-	1.3
	F	155	2	34	17.4	0.4	10.5	-	-	-	1.2	-	1.3	-
Other respiratory disease	M	147	20	48	19.0	3.9	14.8	14.8	3.8	1.2	1.2	1.2	1.3	3.9
	F	100	12	33	11.0	2.5	9.8	12.8	-	-	1.2	2.5	-	1.3
Peptic ulcer	M	29	-	13	4.0	-	3.9	-	-	-	-	-	-	-
	F	17	-	3	1.8	-	0.9	-	-	-	-	-	-	-
Liver cirrhosis	M	100	2	80	11.5	0.4	22.5	-	-	-	-	-	-	2.6
	F	32	1	21	3.3	0.2	6.3	1.6	-	-	-	-	-	-
Renal disease	M	124	8	56	15.9	1.4	17.4	-	-	1.2	1.2	2.4	1.3	3.9
	F	99	3	51	10.4	0.5	14.7	-	-	-	-	2.5	-	1.3
Pregnancy, birth	F	4	3	1	0.4	0.5	0.2	-	-	-	1.2	1.2	-	1.3
Congenital and perinatal causes	M	154	152	-	18.3	32.0	-	219.3	-	2.4	-	1.2	1.3	-
	F	120	116	2	15.2	26.3	0.4	178.9	-	-	-	-	5.3	-
Ill-defined causes	M	775	65	327	109.7	12.3	99.8	34.1	1.3	2.4	10.5	12.0	10.2	15.7
	F	665	36	157	77.7	7.7	45.4	39.9	-	1.3	1.2	6.2	2.6	2.7
Other medical causes	M	285	28	138	35.8	5.2	41.7	8.9	2.5	2.4	5.8	3.6	5.1	7.9
	F	168	16	73	17.2	3.1	20.3	6.4	1.3	2.6	2.5	2.5	2.6	4.0
ALL NON-MEDICAL CAUSES	M	532	174	268	56.8	31.0	68.0	5.9	17.7	14.6	27.9	51.4	50.8	48.4
	F	196	46	78	20.8	8.7	20.6	9.6	5.4	3.9	8.6	13.7	5.3	14.8
Road traffic accidents	M	85	31	44	8.7	5.5	11.5	-	7.6	-	3.5	12.0	8.9	6.5
	F	25	7	12	2.6	1.3	3.3	1.6	-	1.3	1.2	2.5	1.3	1.3
Fire	M	7	-	4	0.8	-	0.9	-	-	-	-	-	-	-
	F	4	-	1	0.5	-	0.3	-	-	-	-	-	-	-
Suicide	M	104	27	62	10.8	4.8	15.3	-	-	1.2	1.2	9.6	11.4	10.5
	F	46	9	27	4.6	1.7	6.7	-	-	-	3.7	1.2	2.6	4.0
Homicide	M	46	18	22	4.8	3.2	5.5	-	-	-	2.3	7.2	6.4	6.5
	F	15	6	6	1.5	1.1	1.7	-	1.3	-	1.2	2.5	1.3	1.3
<b>POPULATION:</b>			<b>M=male</b>		1004.3	553.5	399.0	67.5	79.1	82.3	85.9	83.6	78.7	76.4
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>		1005.2	526.5	409.5	62.6	74.3	77.9	81.5	80.2	75.6	74.4

## 2000: The Former Yugoslav Republic of MACEDONIA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
168.7	287.3	474.1	921.2	1255.4	2150.2	3579.1	5449.6	9164.6	19500.0	M	ALL CAUSES	001-999/A00-Y89
94.3	167.1	290.7	446.4	659.3	1254.3	2239.5	4083.6	6756.6	15608.4	F		
2.7	4.1	1.4	9.2	4.3	9.4	42.9	46.5	42.7	62.5	M	Tuberculosis	010-018, 137/ A15-A19, B90
1.4	2.8	-	1.8	2.0	8.5	11.6	15.5	17.7	21.0	F		
-	-	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
1.3	1.4	1.4	-	6.4	2.3	16.1	15.5	12.2	10.4	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	-	2.9	-	2.0	2.1	4.7	6.2	4.4	35.0	F		
29.5	66.4	136.9	258.2	373.4	633.8	949.1	1015.5	1439.0	1281.3	M	ALL CANCER	140-208/C00-C97
47.8	75.8	130.8	179.3	260.1	324.8	409.3	591.3	623.9	678.3	F		
2.7	-	8.6	5.5	10.7	7.0	16.1	19.4	30.5	41.7	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	5.8	1.8	2.0	6.4	4.7	6.2	8.8	7.0	F		
-	1.4	2.9	5.5	4.3	7.0	16.1	7.8	12.2	20.8	M	Oesophagus cancer	150/C15
1.4	-	-	-	2.0	4.3	-	3.1	4.4	7.0	F		
-	8.1	10.1	25.6	53.6	70.4	131.4	178.3	201.2	239.6	M	Stomach cancer	151/C16
4.1	4.2	7.3	5.3	16.1	42.7	62.8	74.3	97.3	69.9	F		
4.0	6.8	11.5	12.8	23.6	56.3	120.6	77.5	207.3	72.9	M	Colorectal cancer	153, 154/C18-C21
1.4	2.8	13.1	12.3	30.2	32.1	60.5	77.4	79.6	104.9	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
2.7	1.4	-	7.3	17.2	42.3	40.2	42.6	30.5	41.7	M	Pancreas cancer	157/C25
1.4	-	-	5.3	4.0	15.0	11.6	37.2	44.2	14.0	F		
2.7	4.1	8.6	9.2	17.2	37.6	37.5	27.1	67.1	20.8	M	Larynx cancer	161/C32
1.4	-	-	1.8	-	-	2.3	-	-	14.0	F		
1.3	24.4	43.2	98.9	128.8	211.3	281.5	279.1	274.4	187.5	M	Lung cancer	162/C33, C34
9.6	8.4	10.2	14.1	20.2	23.5	32.6	71.2	31.0	62.9	F		
-	2.7	2.9	7.3	6.4	9.4	-	7.8	24.4	83.3	M	Malignant melanoma	172/C43
2.7	-	2.9	7.0	2.0	6.4	4.7	6.2	17.7	28.0	F		
8.2	22.5	36.3	45.7	68.5	74.8	72.1	89.8	97.3	90.9	F	Female breast cancer	174/C50
5.5	15.4	10.2	5.3	14.1	8.5	14.0	12.4	26.5	14.0	F	Cervix cancer	180/C53
1.4	4.2	13.1	17.6	18.1	15.0	16.3	27.9	31.0	7.0	F	Other uterine cancer	179, 182/C54, C55
1.4	2.8	7.3	15.8	8.1	15.0	25.6	21.7	22.1	14.0	F	Ovarian cancer	183/C56, C570-C574
-	-	1.4	1.8	4.3	23.5	40.2	100.8	201.2	166.7	M	Prostate cancer	185/C61
-	1.4	1.4	11.0	6.4	32.9	53.6	58.1	97.6	104.2	M	Bladder cancer	188/C67
-	-	-	3.5	2.0	2.1	11.6	6.2	8.8	14.0	F		
10.7	13.6	33.1	62.3	85.8	98.6	185.0	174.4	250.0	281.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
8.2	12.6	16.0	33.4	70.6	72.6	79.1	142.4	132.7	216.8	F		
1.3	1.4	4.3	5.5	2.1	-	2.7	7.8	-	-	M	Hodgkin's disease	201/C81
-	-	1.5	-	-	-	2.3	3.1	-	-	F		
1.3	1.4	5.8	3.7	6.4	23.5	5.4	19.4	12.2	10.4	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	-	4.4	1.8	-	-	2.3	6.2	-	7.0	F	Leukaemia	204-208/C91-C95
2.7	-	2.9	1.8	6.4	14.1	18.8	15.5	30.5	10.4	M		
1.4	2.8	2.9	8.8	2.0	6.4	7.0	6.2	22.1	7.0	F		
2.7	1.4	14.4	12.8	36.5	63.4	112.6	182.2	219.5	364.6	M	Diabetes	250/E10-E14
2.7	1.4	2.9	10.5	28.2	62.0	139.5	226.0	292.0	377.6	F		
30.8	71.8	152.7	370.0	568.7	1065.7	1753.4	3209.3	5823.2	13583.3	M	ALL VASCULAR DISEASE	390-459/I00-I99
16.4	39.3	88.7	175.7	260.1	647.4	1304.7	2693.5	4800.9	11279.7	F		
1.3	2.7	-	1.8	6.4	4.7	8.0	15.5	6.1	10.4	M	Rheumatic heart disease and fever	390-398/I00-I09
-	1.4	-	-	6.0	6.4	11.6	12.4	8.8	-	F		
-	1.4	2.9	9.2	12.9	42.3	45.6	120.2	243.9	583.3	M	Hypertensive disease	401-405/I10-I15
2.7	-	1.5	8.8	12.1	29.9	53.5	102.2	203.5	678.3	F		
13.4	39.3	82.1	207.0	285.4	431.9	544.2	829.5	975.6	1218.8	M	Ischaemic heart disease	410-414/I20-I25
2.7	14.0	29.1	54.5	76.6	158.1	320.9	517.0	526.5	797.2	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
8.0	16.3	31.7	80.6	148.1	326.3	632.7	1089.1	2189.0	4031.3	M	Cerebrovascular disease	430-438/I60-I69
10.9	15.4	39.2	77.3	108.9	256.4	534.9	1021.7	1845.1	3251.7	F		
8.0	12.2	36.0	71.4	115.9	260.6	522.8	1155.0	2408.5	7739.6	M	Other vascular disease, incl. venous	Rest of 390-459/ rest of I00-I99
-	8.4	18.9	35.1	56.5	196.6	383.7	1040.2	2216.8	6552.4	F		
1.3	1.4	2.9	5.5	12.9	23.5	104.6	193.8	292.7	604.2	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	1.4	1.5	1.8	8.1	23.5	37.2	96.0	119.5	426.6	F		
6.7	2.7	8.6	5.5	4.3	32.9	42.9	104.7	164.6	260.4	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.4	2.8	1.5	5.3	10.1	12.8	34.9	40.2	70.8	181.8	F		
-	1.4	1.4	7.3	4.3	4.7	8.0	15.5	36.6	62.5	M	Peptic ulcer	531-533/K25-K27
-	-	1.5	-	-	-	4.7	-	39.8	35.0	F		
2.7	9.5	25.9	25.6	27.9	28.2	37.5	38.8	36.6	20.8	M	Liver cirrhosis	571/K70, K74
-	1.4	1.5	5.3	2.0	8.5	25.6	12.4	13.3	21.0	F		
-	1.4	10.1	22.0	8.6	39.9	40.2	77.5	134.1	187.5	M	Renal disease	580-590/N00-N19
4.1	1.4	5.8	8.8	16.1	32.1	34.9	58.8	53.1	97.9	F		
1.4	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
-	1.4	1.5	-	-	-	-	-	-	14.0	F	Ill-defined causes	780-799/R00-R99
17.4	31.2	46.1	97.1	115.9	115.0	276.1	263.6	518.3	2395.8	M		
5.5	12.6	21.8	26.4	40.3	81.2	130.2	210.5	486.7	2055.9	F		
8.0	19.0	15.9	44.0	38.6	54.0	112.6	155.0	250.0	395.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
4.1	7.0	16.0	19.3	12.1	29.9	53.5	80.5	154.9	125.9	F		
65.6	75.9	56.2	64.1	53.6	77.5	83.1	131.8	195.1	250.0	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
9.6	19.7	14.5	12.3	18.1	21.4	48.8	52.6	79.6	258.7	F		
5.4	16.3	10.1	5.5	10.7	14.1	18.8	19.4	24.4	10.4	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
1.4	1.4	2.9	1.8	2.0	6.4	7.0	9.3	4.4	14.0	F		
-	2.7	1.4	-	-	2.3	-	3.9	12.2	-	M	Fire	E890-E899/X00-X09
-	-	-	-	-	-	2.3	-	4.4	14.0	F		
20.1	19.0	13.0	12.8	4.3	16.4	21.4	23.3	42.7	20.8	M	Suicide	E950-E959/X60-X84
5.5	11.2	4.4	-	12.1	2.1	11.6	18.6	8.8	14.0	F		
5.4	4.1	5.8	7.3	8.6	4.7	2.7	7.8	18.3	10.4	M	Homicide	E960-E969/ X85-X99, Y00-Y09
-	-	1.5	1.8	2.0	-	7.0	-	8.8	7.0	F		
74.7	73.8	69.4	54.6	46.6	42.6	37.3	25.8	16.4	9.6	M	POPULATION	
73.2	71.2	68.8	56.9	49.6	46.8	43.0	32.3	22.6	14.3	F	(1000s; UN, 2004 revision)	

<b>MACEDONIA, The Former Yugoslav Republic of: 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	540	31	2	1	28	2	20	36	2	275	174
35-69	Sm.	1255	495	331	62	102	48	14	493	-	205	-
	Total	4006	1105	358	96	651	62	48	1757	80	686	268
		(31%)	(45%)	(92%)	(65%)	(16%)	(77%)	(29%)	(28%)		(30%)	
70+	Sm.	546	169	115	19	35	92	6	225	-	54	-
	Total	4781	621	135	40	446	156	79	3087	18	730	90
		(11%)	(27%)	(85%)	(48%)	(8%)	(59%)	(8%)	(7%)		(7%)	
Any age	Sm.	1801	664	446	81	137	140	20	718	-	259	-
	Total	9327	1757	495	137	1125	220	147	4880	100	1691	532
		(19%)	(38%)	(90%)	(59%)	(12%)	(64%)	(14%)	(15%)		(15%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	1004.3	553.5	399.0	74.7	73.8	69.4	54.6	46.6	42.6	37.3	25.8	16.4	9.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	9327	540	4006	126	212	329	503	585	916	1335	1406	1503	1872
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	495	2	358	1	18	30	54	60	90	105	72	45	18
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	1246.1*	103.2*	1262.3*	168.7	287.3	474.1	921.2	1255.4	2150.2	3579.1	5449.6	9164.6	19500.0
<b>All cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	214.1*	5.6*	349.6*	29.5	66.4	136.9	258.2	373.4	633.8	949.1	1015.5	1439.0	1281.3
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	59.1*	0.4*	112.8*	1.3	24.4	43.2	98.9	128.8	211.3	281.5	279.1	274.4	187.5
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	16.5*	0.2*	29.2*	5.4	5.4	20.2	20.1	32.2	51.6	69.7	54.3	109.8	83.3
<b>Other cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	138.5*	5.1*	207.6*	22.8	36.6	73.5	139.2	212.4	370.9	597.9	682.2	1054.9	1010.4
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	30.9*	0.4*	21.7*	1.3	1.4	2.9	5.5	12.9	23.5	104.6	193.8	292.7	604.2
<b>Other respiratory disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	19.0*	3.9*	14.8*	6.7	2.7	8.6	5.5	4.3	32.9	42.9	104.7	164.6	260.4
<b>Vascular disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	689.0*	6.6*	573.3*	30.8	71.8	152.7	370.0	568.7	1065.7	1753.4	3209.3	5823.2	13583.3
<b>Liver cirrhosis</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	11.5*	0.4*	22.5*	2.7	9.5	25.9	25.6	27.9	28.2	37.5	38.8	36.6	20.8
<b>Other medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	224.8*	55.4*	212.4*	32.1	59.6	90.8	192.3	214.6	288.7	608.6	755.8	1213.4	3500.0
<b>All non-medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	56.8*	31.0*	68.0*	65.6	75.9	56.2	64.1	53.6	77.5	83.1	131.8	195.1	250.0

<b>2000: The Former Yugoslav Republic of MACEDONIA</b>
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### Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	329	41	2	1	38	2	12	28	1	199	46
35-69	Sm.	139	43	32	5	6	8	0	63	-	25	-
	Total	2519 (6%)	738 (6%)	63 (51%)	18 (28%)	657 (1%)	34 (24%)	33 (0%)	1194 (5%)	21	421 (6%)	78
70+	Sm.	103	17	14	1	2	15	1	57	-	13	-
	Total	5078 (2%)	429 (4%)	39 (36%)	10 (10%)	380 (1%)	119 (13%)	55 (2%)	3568 (2%)	10	825 (2%)	72
Any age	Sm.	242	60	46	6	8	23	1	120	-	38	-
	Total	7926 (3%)	1208 (5%)	104 (44%)	29 (21%)	1075 (1%)	155 (15%)	100 (1%)	4790 (3%)	32	1445 (3%)	196

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

### Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	1005.2	526.5	409.5	73.2	71.2	68.8	56.9	49.6	46.8	43.0	32.3	22.6	14.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	7926	329	2519	69	119	200	254	327	587	963	1319	1527	2232
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	104	2	63	7	6	7	8	10	11	14	23	7	9
<b>ANNUAL DEATH RATE / 100,000</b>													
				(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	868.1*	68.7*	735.9*	94.3	167.1	290.7	446.4	659.3	1254.3	2239.5	4083.6	6756.6	15608.4
<b>All cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	126.3*	7.8*	204.0*	47.8	75.8	130.8	179.3	260.1	324.8	409.3	591.3	623.9	678.3
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	10.8*	0.4*	16.9*	9.6	8.4	10.2	14.1	20.2	23.5	32.6	71.2	31.0	62.9
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	3.1*	0.2*	4.8*	2.7	-	5.8	3.5	4.0	10.7	7.0	9.3	13.3	28.0
<b>Other cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	112.3*	7.2*	182.2*	35.5	67.4	114.8	161.7	235.9	290.6	369.8	510.8	579.6	587.4
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	17.4*	0.4*	10.5*	-	1.4	1.5	1.8	8.1	23.5	37.2	96.0	119.5	426.6
<b>Other respiratory disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	11.0*	2.5*	9.8*	1.4	2.8	1.5	5.3	10.1	12.8	34.9	40.2	70.8	181.8
<b>Vascular disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	527.6*	5.3*	361.8*	16.4	39.3	88.7	175.7	260.1	647.4	1304.7	2693.5	4800.9	11279.7
<b>Liver cirrhosis</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	3.3*	0.2*	6.3*	-	1.4	1.5	5.3	2.0	8.5	25.6	12.4	13.3	21.0
<b>Other medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	161.7*	43.7*	122.9*	19.1	26.7	52.3	66.8	100.8	215.8	379.1	597.5	1048.7	2762.2
<b>All non-medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	20.8*	8.7*	20.6*	9.6	19.7	14.5	12.3	18.1	21.4	48.8	52.6	79.6	258.7

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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.5	– / 0.3	–
35–69	1.3 / 4.0	0.1 / 2.5	20 years
70+	0.5 / 4.8	0.1 / 5.1	9 years
<b>All ages</b>	<b>1.8 / 9.3</b>	<b>0.2 / 7.9</b>	<b>17 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths in the year 2000**

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/ 2	331/358	115/135	446/495	–/ 2	32/63	14/39	46/104
All Cancer	–/31	495/1105 (45%)	169/621 (27%)	664/1757	–/41	43/738 ( 6%)	17/429 ( 4%)	60/1208
Vascular	–/36	493/1757	225/3087	718/4880	–/28	63/1194	57/3568	120/4790
Respiratory	–/22	62/110	98/235	160/367	–/14	8/67	16/174	24/255
All Other	–/451	205/1034	54/838	259/2323	–/246	25/520	13/907	38/1673
All Causes	–/540	1255/4006 (31%)	546/4781 (11%)	1801/9327	–/329	139/2519 ( 6%)	103/5078 ( 2%)	242/7926

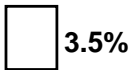
**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	0.7 / 1.8 (38%)	0.1 / 1.2 ( 5%)	0.7 / 3.0 (24%)
All Causes	1.8 / 9.3 (19%)	0.2 / 7.9 ( 3%)	2.0 / 17 (12%)



**2000: The Former Yugoslav Republic of MACEDONIA**

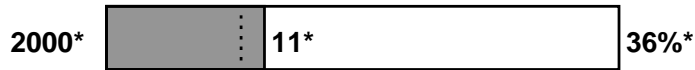
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

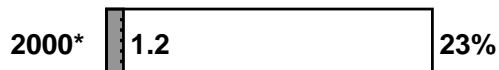
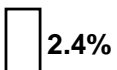
\*eg, at year 2000 male death rates, out of 100 men aged 35, 36 would die before age 70 (with 11 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## MALTA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	1513	49	474	843.2	52.2	745.6	132.2	14.7	13.6	39.7	65.4	57.6	42.0
	F	1460	32	318	550.8	37.7	428.5	122.8	15.6	7.2	27.8	7.0	30.5	53.1
Tuberculosis	M	1	-	-	0.5	-	-	-	-	-	-	-	-	-
	F	2	-	1	0.8	-	1.6	-	-	-	-	-	-	-
HIV	M	1	-	1	0.5	-	1.0	-	-	-	-	-	-	-
	F	1	1	-	0.6	1.3	-	-	-	-	-	-	-	8.8
Other infective and parasitic	M	9	2	2	5.5	2.2	3.7	8.3	7.4	-	-	-	-	-
	F	10	1	2	3.8	1.0	2.5	-	-	-	6.9	-	-	-
ALL CANCER	M	360	-	169	199.2	-	264.1	-	-	-	-	-	-	-
	F	349	3	156	144.3	3.6	204.1	-	7.8	-	-	-	-	17.7
Mouth and pharynx cancer	M	7	-	4	3.7	-	4.7	-	-	-	-	-	-	-
	F	5	-	2	1.9	-	2.5	-	-	-	-	-	-	-
Oesophagus cancer	M	4	-	2	2.2	-	2.7	-	-	-	-	-	-	-
	F	1	-	-	0.3	-	-	-	-	-	-	-	-	-
Stomach cancer	M	23	-	12	12.9	-	19.7	-	-	-	-	-	-	-
	F	15	-	5	6.1	-	7.2	-	-	-	-	-	-	-
Colorectal cancer	M	39	-	23	22.1	-	38.3	-	-	-	-	-	-	-
	F	46	-	15	18.1	-	17.7	-	-	-	-	-	-	-
Liver cancer	M	3	-	2	1.5	-	2.9	-	-	-	-	-	-	-
	F	3	-	1	1.2	-	1.5	-	-	-	-	-	-	-
Pancreas cancer	M	18	-	10	9.7	-	15.7	-	-	-	-	-	-	-
	F	25	-	12	10.4	-	16.7	-	-	-	-	-	-	-
Larynx cancer	M	3	-	-	1.5	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Lung cancer	M	94	-	49	52.5	-	78.0	-	-	-	-	-	-	-
	F	27	-	12	11.3	-	15.0	-	-	-	-	-	-	-
Malignant melanoma	M	3	-	2	1.6	-	3.0	-	-	-	-	-	-	-
	F	2	-	2	1.0	-	2.2	-	-	-	-	-	-	-
Female breast cancer	F	102	2	56	44.3	2.5	70.5	-	-	-	-	-	-	17.7
Cervix cancer	F	5	-	3	2.2	-	4.1	-	-	-	-	-	-	-
Other uterine cancer	F	7	-	3	2.9	-	4.1	-	-	-	-	-	-	-
Ovarian cancer	F	19	-	10	8.3	-	14.1	-	-	-	-	-	-	-
Prostate cancer	M	38	-	4	21.2	-	6.3	-	-	-	-	-	-	-
Bladder cancer	M	20	-	8	11.1	-	13.7	-	-	-	-	-	-	-
	F	3	-	1	1.1	-	1.6	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	74	-	39	40.7	-	60.1	-	-	-	-	-	-	-
	F	61	-	26	24.4	-	35.1	-	-	-	-	-	-	-
Hodgkin's disease	M	1	-	-	0.5	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Myeloma and non- Hodgkin lymphomas	M	20	-	11	10.9	-	15.4	-	-	-	-	-	-	-
	F	16	-	2	5.7	-	2.4	-	-	-	-	-	-	-
Leukaemia	M	13	-	3	7.0	-	3.6	-	-	-	-	-	-	-
	F	12	1	6	5.0	1.1	9.4	-	7.8	-	-	-	-	-
Diabetes	M	31	1	9	16.8	1.0	16.1	-	-	-	-	-	7.2	-
	F	51	1	7	18.5	1.3	10.0	-	-	-	-	-	-	8.8
ALL VASCULAR DISEASE	M	686	3	189	384.1	3.4	313.4	8.3	-	-	-	-	7.2	8.4
	F	702	-	102	251.9	-	146.0	-	-	-	-	-	-	-
Rheumatic heart disease and fever	M	3	1	2	1.8	1.2	3.7	8.3	-	-	-	-	-	-
	F	2	-	1	0.9	-	1.6	-	-	-	-	-	-	-
Hypertensive disease	M	8	1	4	4.6	1.2	6.4	-	-	-	-	-	-	8.4
	F	9	-	6	4.0	-	8.6	-	-	-	-	-	-	-
Ischaemic heart disease	M	397	-	127	221.2	-	208.8	-	-	-	-	-	-	-
	F	333	-	55	121.2	-	80.1	-	-	-	-	-	-	-
Pulmonary embolism and other venous	M	10	-	4	5.7	-	7.0	-	-	-	-	-	-	-
	F	14	-	5	5.6	-	5.9	-	-	-	-	-	-	-
Cerebrovascular disease	M	136	1	26	75.1	1.0	43.8	-	-	-	-	-	7.2	-
	F	183	-	24	64.8	-	34.4	-	-	-	-	-	-	-
Other vascular disease	M	132	-	26	75.7	-	43.7	-	-	-	-	-	-	-
	F	161	-	11	55.4	-	15.5	-	-	-	-	-	-	-
Chronic obstructive pulmonary disease	M	73	1	16	40.6	1.0	24.3	-	-	-	-	-	7.2	-
	F	23	1	6	8.8	1.1	8.5	-	-	-	-	-	7.6	-
Other respiratory disease	M	106	-	14	60.9	-	21.4	-	-	-	-	-	-	-
	F	89	-	6	30.2	-	7.7	-	-	-	-	-	-	-
Peptic ulcer	M	11	-	3	6.4	-	4.3	-	-	-	-	-	-	-
	F	11	-	1	3.9	-	1.3	-	-	-	-	-	-	-
Liver cirrhosis	M	11	-	7	5.9	-	9.0	-	-	-	-	-	-	-
	F	3	-	1	1.1	-	0.9	-	-	-	-	-	-	-
Renal disease	M	32	1	7	18.4	1.2	11.3	-	-	-	-	-	-	8.4
	F	22	-	3	8.0	-	4.4	-	-	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	-	-	-	-	-	-	-	-	-	-	-	-	-
	M	13	13	-	8.4	15.2	-	99.2	-	-	-	-	7.2	-
	F	13	11	1	8.7	13.8	1.3	96.5	-	-	-	-	-	-
Ill-defined causes	M	14	-	1	8.1	-	0.9	-	-	-	-	-	-	-
	F	9	1	1	3.6	1.3	1.5	8.8	-	-	-	-	-	-
Other medical causes	M	95	6	25	52.3	6.3	40.7	16.5	7.4	-	-	13.1	7.2	-
	F	140	7	24	52.4	8.3	30.8	17.5	7.8	7.2	-	-	7.6	17.7
ALL NON- MEDICAL CAUSES	M	70	22	31	35.6	21.8	35.3	-	-	13.6	39.7	52.3	21.6	25.2
	F	35	6	7	14.3	6.2	7.9	-	-	-	20.8	7.0	15.3	-
Road traffic accidents	M	13	9	2	6.3	8.8	2.0	-	-	6.8	19.9	19.6	7.2	8.4
	F	4	2	-	1.6	2.0	-	-	-	-	13.9	-	-	-
Fire	M	1	-	-	0.5	-	-	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Suicide	M	17	3	11	8.6	3.3	11.1	-	-	-	6.6	-	-	16.8
	F	6	2	4	3.1	2.2	4.3	-	-	-	-	-	15.3	-
Homicide	M	2	-	1	0.9	-	0.9	-	-	-	-	-	-	-
	F	2	-	2	1.0	-	2.5	-	-	-	-	-	-	-
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		194.1	96.6	84.5	12.1	13.6	14.7	15.1	15.3	13.9	11.9
			<b>F=female</b>		197.8	91.2	87.1	11.4	12.8	13.9	14.4	14.3	13.1	11.3

## 2000: MALTA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
87.6	106.0	244.8	385.6	695.2	1164.7	2535.2	4500.0	6238.1	14875.0	M	ALL CAUSES	001-999/A00-Y89
61.1	67.1	170.2	333.3	401.8	718.8	1247.2	2391.9	4355.9	10903.2	F		
-	-	-	-	-	-	-	-	23.8	-	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	-	-	-	-	-	11.2	-	-	16.1	F		
-	-	7.0	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
-	-	-	-	-	11.8	14.1	-	-	156.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	-	-	6.5	-	-	11.2	27.0	16.9	64.5	F		
7.3	39.7	90.9	111.1	323.8	529.4	746.5	1250.0	1142.9	2281.3	M	ALL CANCER	140-208/C00-C97
30.5	40.3	85.1	215.7	196.4	343.8	516.9	743.2	1050.8	1177.4	F		
7.3	-	7.0	6.5	-	11.8	-	17.9	23.8	31.3	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	-	6.5	-	-	11.2	-	50.8	-	F		
-	-	-	-	19.0	-	-	35.7	-	-	M	Oesophagus cancer	150/C15
-	-	-	-	-	-	-	-	16.9	-	F		
-	-	-	13.1	19.0	35.3	70.4	53.6	47.6	187.5	M	Stomach cancer	151/C16
-	-	-	-	17.9	10.4	22.5	54.1	50.8	48.4	F		
-	6.6	-	-	66.7	82.4	112.7	142.9	47.6	187.5	M	Colorectal cancer	153, 154/C18-C21
-	-	14.2	32.7	44.6	20.8	11.2	81.1	186.4	225.8	F		
-	-	-	6.5	-	-	14.1	-	23.8	-	M	Liver cancer	155.0/C22 excl C221
-	-	-	-	-	10.4	-	-	-	32.3	F		
-	6.6	-	6.5	19.0	35.3	42.3	107.1	47.6	-	M	Pancreas cancer	157/C25
-	-	-	19.6	8.9	20.8	67.4	81.1	33.9	80.6	F		
-	-	-	-	-	-	-	35.7	23.8	-	M	Larynx cancer	161/C32
-	-	-	-	-	-	-	-	-	-	F		
-	13.2	35.0	19.6	66.7	200.0	211.3	267.9	238.1	625.0	M	Lung cancer	162/C33, C34
7.6	-	14.2	19.6	8.9	20.8	33.7	94.6	67.8	64.5	F		
-	-	7.0	-	-	-	14.1	17.9	-	-	M	Malignant melanoma	172/C43
-	-	-	6.5	8.9	-	-	-	-	-	F		
22.9	26.8	28.4	85.0	80.4	104.2	146.1	229.7	220.3	225.8	F	Female breast cancer	174/C50
-	-	7.1	-	-	10.4	11.2	13.5	16.9	-	F	Cervix cancer	180/C53
-	6.7	-	-	-	10.4	11.2	27.0	33.9	-	F	Other uterine cancer	179, 182/C54, C55
-	-	14.2	-	8.9	41.7	33.7	67.6	33.9	32.3	F	Ovarian cancer	183/C56, C570-C574
-	-	-	6.5	-	23.5	14.1	160.7	238.1	468.8	M	Prostate cancer	185/C61
-	-	-	6.5	9.5	23.5	56.3	53.6	95.2	156.3	M	Bladder cancer	188/C67
-	-	-	-	-	-	11.2	-	16.9	16.1	F		
-	6.6	28.0	32.7	85.7	70.6	197.2	196.4	238.1	437.5	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
-	6.7	7.1	39.2	17.9	62.5	112.4	81.1	186.4	290.3	F	Hodgkin's disease	201/C81
-	-	-	-	-	-	-	17.9	-	-	M		
-	-	-	-	-	-	-	-	-	-	F		
-	-	7.0	13.1	38.1	35.3	14.1	53.6	71.4	93.8	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	6.6	7.0	6.5	-	10.4	-	13.5	84.7	129.0	F	Leukaemia	204-208/C91-C95
-	-	-	-	-	11.8	-	89.3	47.6	93.8	M		
-	-	-	-	-	20.8	44.9	-	50.8	32.3	F		
-	-	7.0	-	9.5	11.8	84.5	71.4	238.1	218.8	M	Diabetes	250/E10-E14
-	-	-	6.5	8.9	20.8	33.7	81.1	169.5	435.5	F		
29.2	26.5	62.9	143.8	200.0	435.3	1295.8	2053.6	3214.3	7625.0	M	ALL VASCULAR DISEASE	390-459/I00-I99
15.3	20.1	35.5	39.2	133.9	250.0	528.1	1108.1	2271.2	6193.5	F		
-	-	-	-	-	11.8	14.1	-	-	-	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	-	-	-	11.2	13.5	-	-	F		
-	-	7.0	-	9.5	-	28.2	17.9	-	62.5	M	Hypertensive disease	401-405/I10-I15
-	-	7.1	-	8.9	10.4	33.7	13.5	16.9	16.1	F		
14.6	13.2	35.0	104.6	161.9	329.4	802.8	1214.3	1833.3	3906.3	M	Ischaemic heart disease	410-414/I20-I25
-	13.4	7.1	13.1	89.3	145.8	292.1	594.6	1203.4	2629.0	F		
-	-	-	6.5	-	-	42.3	-	23.8	156.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
-	6.7	14.2	-	8.9	-	11.2	40.5	33.9	64.5	F		
7.3	-	14.0	19.6	19.0	35.3	211.3	482.1	857.1	1437.5	M	Cerebrovascular disease	430-438/I60-I69
7.6	-	7.1	19.6	8.9	62.5	134.8	243.2	610.2	1693.5	F		
7.3	13.2	7.0	13.1	9.5	58.8	197.2	339.3	500.0	2062.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
7.6	-	-	6.5	17.9	31.3	44.9	202.7	406.8	1790.3	F		
-	-	7.0	19.6	28.6	58.8	56.3	339.3	309.5	750.0	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	-	-	6.5	8.9	10.4	33.7	40.5	16.9	193.5	F		
-	6.6	14.0	6.5	28.6	23.5	70.4	375.0	381.0	1718.8	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
-	-	14.2	6.5	-	10.4	22.5	54.1	186.4	1096.8	F		
-	6.6	-	-	-	23.5	-	17.9	23.8	187.5	M	Peptic ulcer	531-533/K25-K27
-	-	-	-	8.9	-	-	13.5	50.8	96.8	F		
-	6.6	7.0	6.5	28.6	-	14.1	35.7	23.8	31.3	M	Liver cirrhosis	571/K70, K74
-	-	-	6.5	-	-	-	-	-	32.3	F		
-	-	7.0	6.5	9.5	-	56.3	71.4	95.2	500.0	M	Renal disease	580-590/N00-N19
-	-	-	-	8.9	10.4	11.2	40.5	118.6	145.2	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
-	-	-	-	8.9	-	-	13.5	-	-	M	Ill-defined causes	780-799/R00-R99
-	6.6	-	-	-	-	-	35.7	47.6	281.3	M		
-	-	-	-	-	10.4	-	13.5	16.9	80.6	F		
-	-	7.0	26.1	47.6	35.3	169.0	178.6	595.2	906.3	M	Other medical causes	Rest of 001-799/ rest of A00-R99
-	6.7	21.3	39.2	17.9	52.1	78.7	175.7	389.8	1177.4	F		
51.1	13.2	35.0	65.4	19.0	35.3	28.2	71.4	142.9	218.8	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
15.3	-	14.2	6.5	8.9	10.4	-	81.1	67.8	193.5	F	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
7.3	-	-	6.5	-	-	-	17.9	23.8	-	M	Fire	E890-E899/X00-X09
-	-	-	-	-	-	-	-	-	32.3	F		
-	-	-	-	-	-	-	17.9	-	-	M	Suicide	E950-E959/X60-X84
21.9	-	7.0	39.2	9.5	-	-	17.9	23.8	31.3	F		
7.6	-	7.1	6.5	8.9	-	-	-	-	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
-	-	-	6.5	-	-	-	-	23.8	-	F		
-	-	7.1	-	-	10.4	-	-	-	-	M		
13.7	15.1	14.3	15.3	10.5	8.5	7.1	5.6	4.2	3.2	M	POPULATION	
13.1	14.9	14.1	15.3	11.2	9.6	8.9	7.4	5.9	6.2	F	(1000s; UN, 2004 revision)	

**MALTA: 1995, 2000****Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	86	9	0	0	9	0	1	6	1	40	29
35-69	Sm.	141	77	52	11	14	10	2	38	-	14	-
	Total	442 (32%)	183 (42%)	57 (91%)	17 (65%)	109 (13%)	13 (77%)	10 (20%)	152 (25%)	8	51 (27%)	25
70+	Sm.	171	69	44	7	18	46	6	38	-	12	-
	Total	839 (20%)	215 (32%)	50 (88%)	13 (54%)	152 (12%)	63 (73%)	55 (11%)	368 (10%)	2	121 (10%)	15
Any age	Sm.	312	146	96	18	32	56	8	76	-	26	-
	Total	1367 (23%)	407 (36%)	107 (90%)	30 (60%)	270 (12%)	76 (74%)	66 (12%)	526 (14%)	11	212 (12%)	69
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	49	0	0	0	0	1	0	3	0	23	22
35-69	Sm.	116	58	44	2	12	12	3	35	-	8	-
	Total	474 (24%)	169 (34%)	49 (90%)	6 (33%)	114 (11%)	16 (75%)	14 (21%)	189 (19%)	7	48 (17%)	31
70+	Sm.	127	49	37	3	9	32	7	31	-	8	-
	Total	990 (13%)	191 (26%)	45 (82%)	8 (38%)	138 (7%)	56 (57%)	92 (8%)	494 (6%)	4	136 (6%)	17
Any age	Sm.	243	107	81	5	21	44	10	66	-	16	-
	Total	1513 (16%)	360 (30%)	94 (86%)	14 (36%)	252 (8%)	73 (60%)	106 (9%)	686 (10%)	11	207 (8%)	70

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	187.0	97.0	78.1	15.0	14.3	15.3	10.7	8.8	7.6	6.4	5.5	3.4	3.0
2000	194.1	96.6	84.5	13.7	15.1	14.3	15.3	10.5	8.5	7.1	5.6	4.2	3.2
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1367	86	442	18	19	42	42	72	96	153	206	187	446
2000	1513	49	474	12	16	35	59	73	99	180	252	262	476
<b>Lung cancer</b>													
1995	107	-	57	1	2	4	7	9	12	22	11	18	21
2000	94	-	49	-	2	5	3	7	17	15	15	10	20
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	839.1*	91.2*	770.3*	120.0	132.9	274.5	392.5	818.2	1263.2	2390.6	3745.5	5500.0	14866.7
2000	843.2*	52.2*	745.6*	87.6	106.0	244.8	385.6	695.2	1164.7	2535.2	4500.0	6238.1	14875.0
<b>All cancer</b>													
1995	248.5*	9.5*	314.9*	53.3	49.0	137.3	140.2	352.3	565.8	906.3	1072.7	1735.3	3233.3
2000	199.2*	-	264.1*	7.3	39.7	90.9	111.1	323.8	529.4	746.5	1250.0	1142.9	2281.3
<b>Lung cancer</b>													
1995	66.2*	-	102.3*	6.7	14.0	26.1	65.4	102.3	157.9	343.8	200.0	529.4	700.0
2000	52.5*	-	78.0*	-	13.2	35.0	19.6	66.7	200.0	211.3	267.9	238.1	625.0
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	18.2*	-	29.5*	-	14.0	13.1	9.3	34.1	26.3	109.4	72.7	117.6	166.7
2000	7.4*	-	7.4*	7.3	-	7.0	6.5	19.0	11.8	-	89.3	47.6	31.3
<b>Other cancer</b>													
1995	164.1*	9.5*	183.1*	46.7	21.0	98.0	65.4	215.9	381.6	453.1	800.0	1088.2	2366.7
2000	139.2*	-	178.8*	-	26.5	49.0	85.0	238.1	317.6	535.2	892.9	857.1	1625.0
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	47.5*	-	25.8*	-	-	6.5	9.3	-	39.5	125.0	181.8	500.0	1200.0
2000	40.6*	1.0*	24.3*	-	-	7.0	19.6	28.6	58.8	56.3	339.3	309.5	750.0
<b>Other respiratory disease</b>													
1995	42.0*	1.2*	19.5*	-	-	-	-	45.5	13.2	78.1	163.6	264.7	1233.3
2000	60.9*	-	21.4*	-	6.6	14.0	6.5	28.6	23.5	70.4	375.0	381.0	1718.8
<b>Vascular disease</b>													
1995	325.6*	6.3*	273.8*	6.7	49.0	58.8	168.2	261.4	513.2	859.4	1781.8	2411.8	6266.7
2000	384.1*	3.4*	313.4*	29.2	26.5	62.9	143.8	200.0	435.3	1295.8	2053.6	3214.3	7625.0
<b>Liver cirrhosis</b>													
1995	6.6*	1.1*	13.5*	6.7	7.0	-	9.3	11.4	13.2	46.9	-	29.4	33.3
2000	5.9*	-	9.0*	-	6.6	7.0	6.5	28.6	-	14.1	35.7	23.8	31.3
<b>Other medical causes</b>													
1995	130.7*	42.9*	91.0*	33.3	14.0	13.1	28.0	102.3	118.4	328.1	490.9	470.6	2600.0
2000	116.9*	26.0*	78.1*	-	13.2	28.0	32.7	66.7	82.4	323.9	375.0	1023.8	2250.0
<b>All non-medical causes</b>													
1995	38.1*	30.3*	31.8*	20.0	14.0	58.8	37.4	45.5	-	46.9	54.5	88.2	300.0
2000	35.6*	21.8*	35.3*	51.1	13.2	35.0	65.4	19.0	35.3	28.2	71.4	142.9	218.8

## 1995, 2000: MALTA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	32	6	0	0	6	1	0	1	0	23	1
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	289 (0%)	131 (0%)	2 (0%)	2 (0%)	127 (0%)	6 (0%)	6 (0%)	93 (0%)	5	38 (0%)	10
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	1020 (0%)	173 (0%)	7 (0%)	4 (0%)	162 (0%)	12 (0%)	61 (0%)	541 (0%)	2	216 (0%)	15
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	1341 (0%)	310 (0%)	9 (0%)	6 (0%)	295 (0%)	19 (0%)	67 (0%)	635 (0%)	7	277 (0%)	26
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	32	3	0	0	3	1	0	0	0	22	6
35-69	Sm.	10	4	4	0	0	1	0	4	-	1	-
	Total	318 (3%)	156 (3%)	12 (33%)	2 (0%)	142 (0%)	6 (17%)	6 (0%)	102 (4%)	1	40 (3%)	7
70+	Sm.	41	11	9	1	1	6	1	17	-	6	-
	Total	1110 (4%)	190 (6%)	15 (60%)	4 (25%)	171 (1%)	16 (38%)	83 (1%)	600 (3%)	2	197 (3%)	22
Any age	Sm.	51	15	13	1	1	7	1	21	-	7	-
	Total	1460 (3%)	349 (4%)	27 (48%)	6 (17%)	316 (0%)	23 (30%)	89 (1%)	702 (3%)	3	259 (3%)	35

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	190.7	91.7	82.2	14.7	14.0	15.3	11.2	9.7	9.3	8.0	6.9	4.5	5.4
2000	197.8	91.2	87.1	13.1	14.9	14.1	15.3	11.2	9.6	8.9	7.4	5.9	6.2
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1341	32	289	3	12	24	29	43	66	112	176	216	628
2000	1460	32	318	8	10	24	51	45	69	111	177	257	676
<b>Lung cancer</b>													
1995	9	-	2	-	-	-	-	-	-	2	2	3	2
2000	27	-	12	1	-	2	3	1	2	3	7	4	4
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	578.6*	36.0*	439.3*	20.4	85.7	156.9	258.9	443.3	709.7	1400.0	2550.7	4800.0	11629.6
2000	550.8*	37.7*	428.5*	61.1	67.1	170.2	333.3	401.8	718.8	1247.2	2391.9	4355.9	10903.2
<b>All cancer</b>													
1995	145.0*	6.7*	191.6*	-	35.7	104.6	187.5	195.9	354.8	462.5	681.2	1088.9	1425.9
2000	144.3*	3.6*	204.1*	30.5	40.3	85.1	215.7	196.4	343.8	516.9	743.2	1050.8	1177.4
<b>Lung cancer</b>													
1995	3.9*	-	3.6*	-	-	-	-	-	-	25.0	29.0	66.7	37.0
2000	11.3*	-	15.0*	7.6	-	14.2	19.6	8.9	20.8	33.7	94.6	67.8	64.5
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.7*	-	2.6*	-	7.1	-	-	-	10.8	-	-	44.4	37.0
2000	2.3*	-	2.5*	-	-	-	6.5	-	-	11.2	-	67.8	-
<b>Other cancer</b>													
1995	138.4*	6.7*	185.4*	-	28.6	104.6	187.5	195.9	344.1	437.5	652.2	977.8	1351.9
2000	130.7*	3.6*	186.6*	22.9	40.3	70.9	189.5	187.5	322.9	471.9	648.6	915.3	1112.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	8.8*	1.1*	8.3*	-	-	6.5	17.9	10.3	10.8	12.5	29.0	88.9	111.1
2000	8.8*	1.1*	8.5*	-	-	-	6.5	8.9	10.4	33.7	40.5	16.9	193.5
<b>Other respiratory disease</b>													
1995	26.6*	-	10.0*	-	-	-	8.9	-	10.8	50.0	14.5	222.2	925.9
2000	30.2*	-	7.7*	-	-	14.2	6.5	-	10.4	22.5	54.1	186.4	1096.8
<b>Vascular disease</b>													
1995	264.6*	1.1*	152.4*	-	7.1	13.1	26.8	154.6	215.1	650.0	1391.3	2444.4	6203.7
2000	251.9*	-	146.0*	15.3	20.1	35.5	39.2	133.9	250.0	528.1	1108.1	2271.2	6193.5
<b>Liver cirrhosis</b>													
1995	3.3*	-	6.8*	-	7.1	6.5	-	-	21.5	12.5	-	22.2	18.5
2000	1.1*	-	0.9*	-	-	-	6.5	-	-	-	-	-	32.3
<b>Other medical causes</b>													
1995	118.7*	25.8*	59.3*	6.8	-	19.6	17.9	61.9	96.8	212.5	420.3	844.4	2759.3
2000	100.3*	26.8*	53.4*	-	6.7	21.3	52.3	53.6	93.8	146.1	364.9	762.7	2016.1
<b>All non-medical causes</b>													
1995	11.7*	1.3*	10.9*	13.6	35.7	6.5	-	20.6	-	-	14.5	88.9	185.2
2000	14.3*	6.2*	7.9*	15.3	-	14.2	6.5	8.9	10.4	-	81.1	67.8	193.5

**MALTA: 2000****Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 49	– / 32	–
35–69	116 / 474	10 / 318	<b>20 years</b>
70+	127 / 990	41 / 1110	8 years
<b>All ages</b>	<b>243 / 1513</b>	<b>51 / 1460</b>	<b>14 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths in the year 2000**

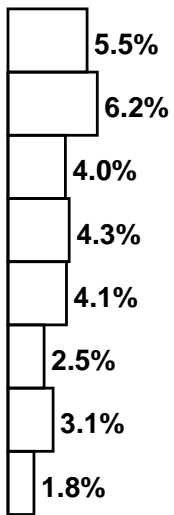
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	44/49	37/45	81/94	– / 0	4/12	9/15	13/27
All Cancer	– / 0	58/169 (34%)	49/191 (26%)	107/360	– / 3	4/156 (3%)	11/190 (6%)	15/349
Vascular	– / 3	35/189	31/494	66/686	– / 0	4/102	17/600	21/702
Respiratory	– / 1	15/30	39/148	54/179	– / 1	1/12	7/99	8/112
All Other	– / 45	8/86	8/157	16/288	– / 28	1/48	6/221	7/297
All Causes	– / 49	116/474 (24%)	127/990 (13%)	243/1513	– / 32	10/318 (3%)	41/1110 (4%)	51/1460

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	107 / 360 (30%)	15 / 349 (4%)	122 / 709 (17%)
All Causes	243 / 1513 (16%)	51 / 1460 (3%)	294 / 2973 (10%)

1965-2000: MALTA

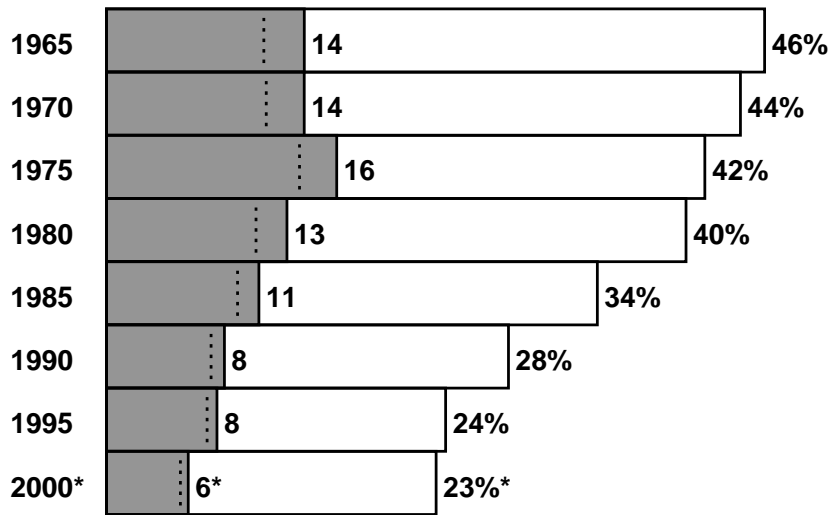
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

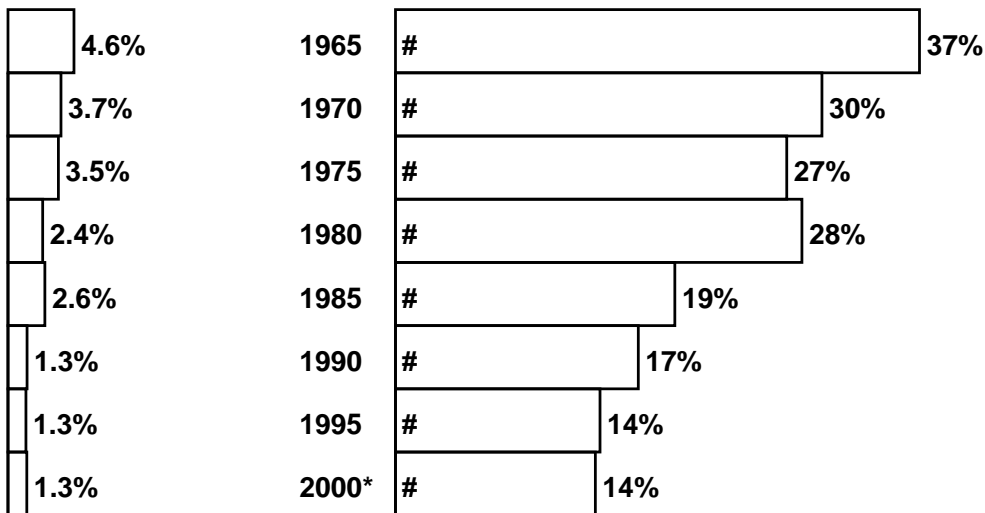
\*eg, at year 2000 male death rates, out of 100 men aged 35, 23 would die before age 70 (with 6 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

## MALTA: 1960-2000

## Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	-/173	205/657 (31%)	70/739 (9%)	275/1569	-/134	4/469	0/829	4/1432
1970	-/156	218/688 (32%)	65/775 (8%)	283/1619	-/89	0/467	0/895	0/1451
1975	-/101	252/643 (39%)	68/827 (8%)	320/1571	-/90	0/424	0/924	0/1438
1980	-/123	197/625 (32%)	90/964 (9%)	287/1712	-/67	0/448	0/1074	0/1589
1985	-/117	176/562 (31%)	136/826 (16%)	312/1505	-/71	0/330	0/1009	0/1410
1990	-/71	141/484 (29%)	161/836 (19%)	302/1391	-/36	0/325	0/957	0/1318
1995	-/86	141/442 (32%)	171/839 (20%)	312/1367	-/32	0/289	0/1020	0/1341
2000	-/49	116/474 (24%)	127/990 (13%)	243/1513	-/32	10/318	41/1110	51/1460

40-year total\* (thousands), mid-1960 to mid-2000: 12 / 116

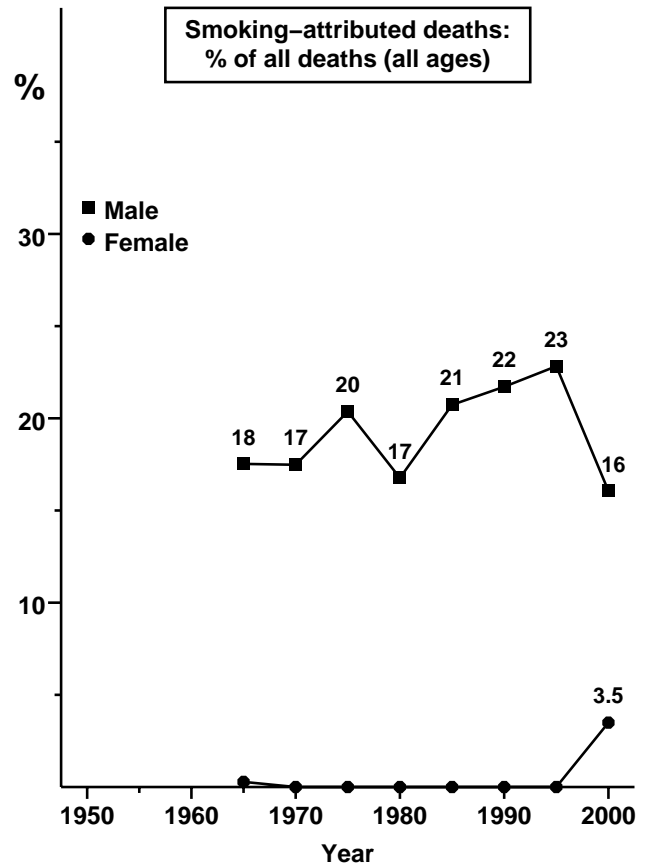
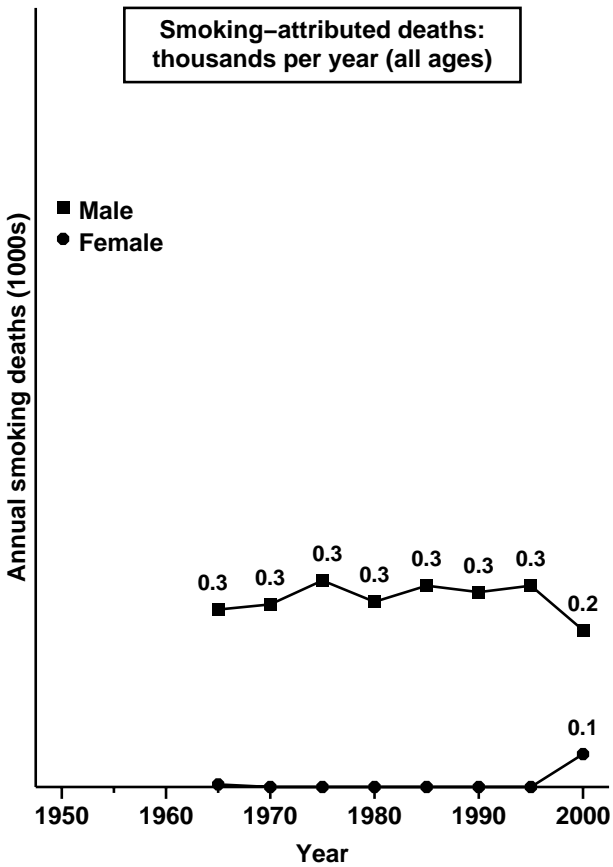
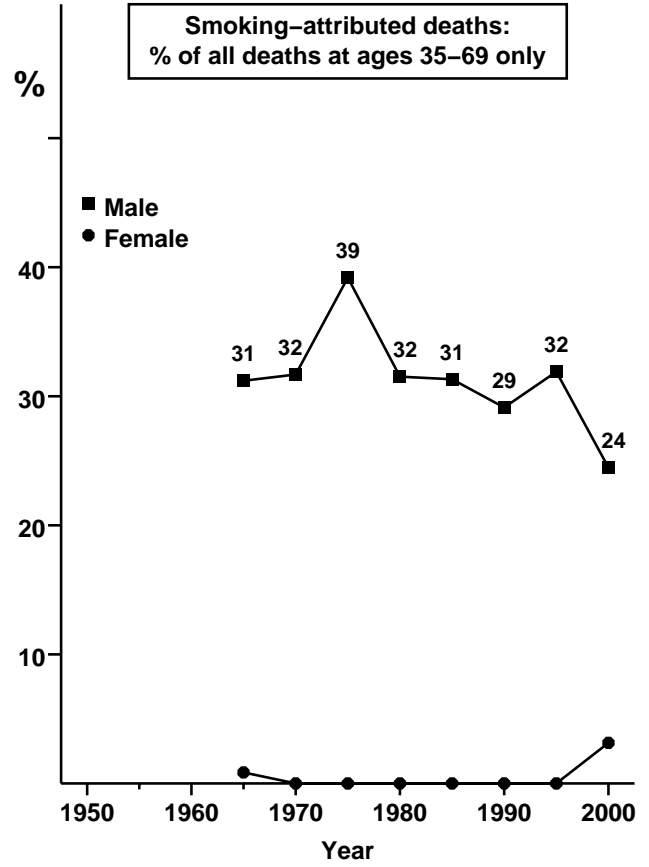
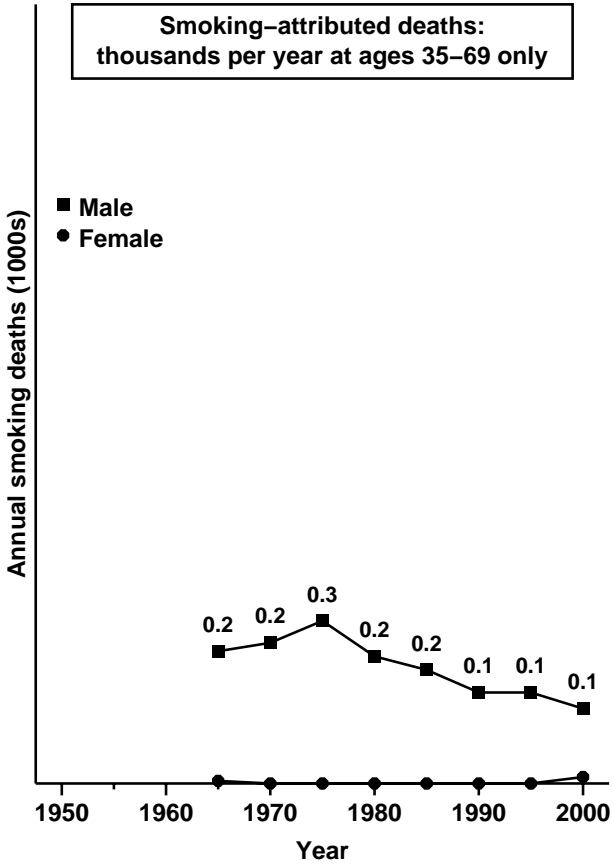
1960-2000 by age & sex:

-/4.8	7.7/23 (34%)	4.4/32 (14%)	12/60	-/3.3	0.0/15 (0.3%)	0.0/38 (0%)	0.0/56
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\*Estimated as 10 times the sum of the annual numbers for 1965, 1975, 1985 & 1995

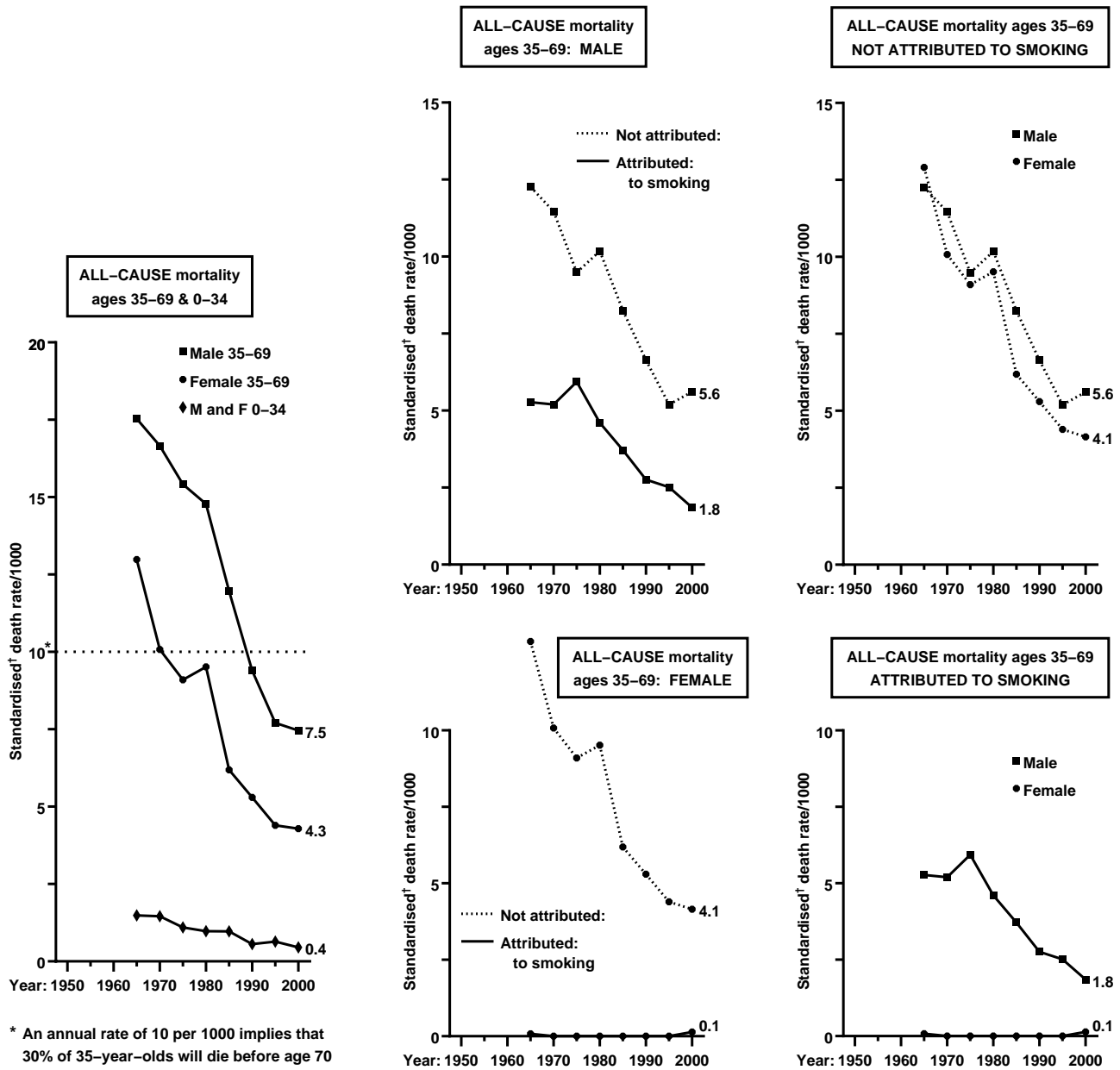


1965-2000: MALTA



**MALTA: 1965-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**

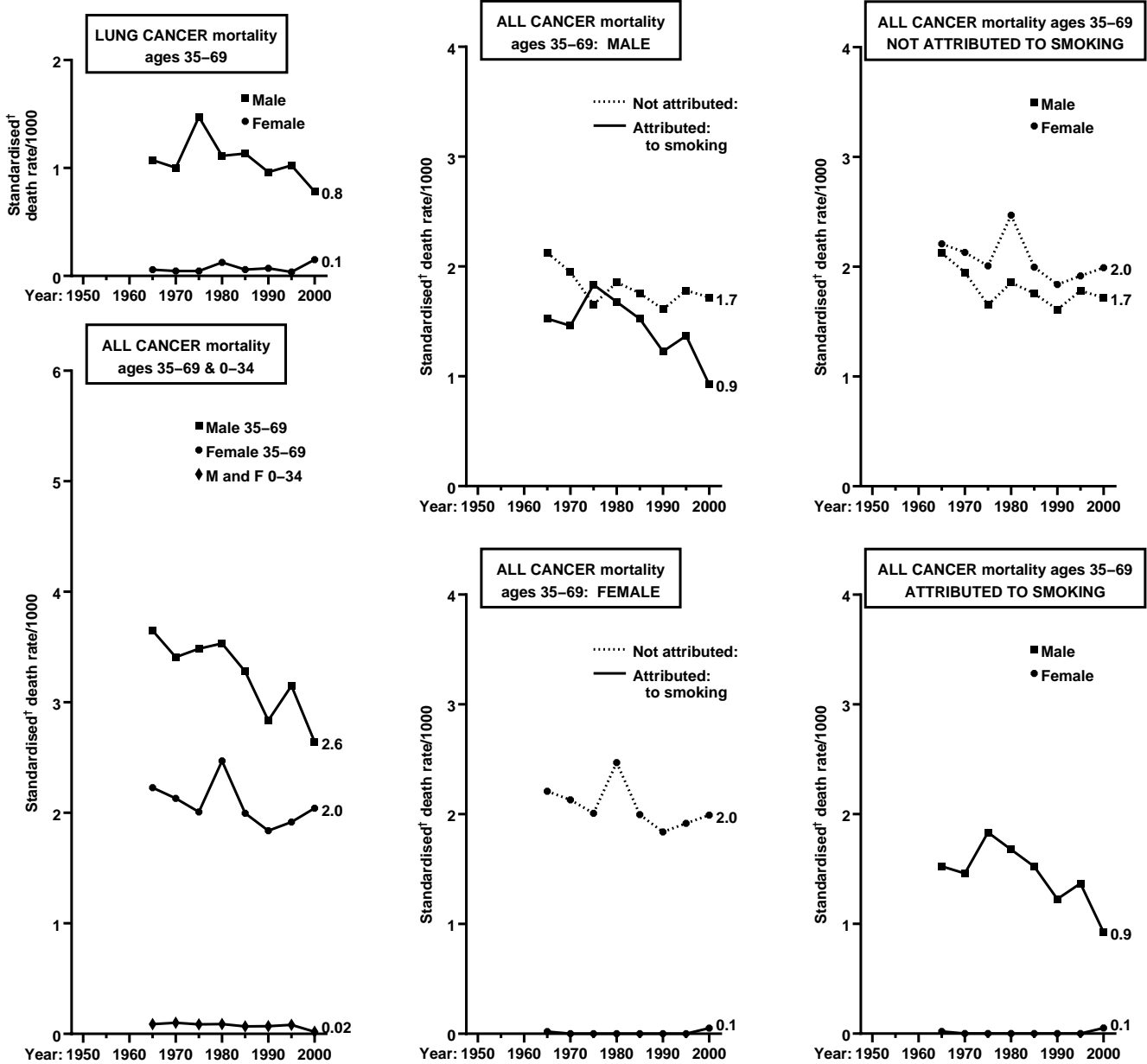


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	-	1.62	5.27	12.3	9.62	80.1	-	1.34	0.08	12.9	0.00	67.7				
1970	-	1.84	5.19	11.5	8.73	79.3	-	1.07	0.00	10.1	0.00	73.3				
1975	-	1.17	5.93	9.48	7.74	81.5	-	1.02	0.00	9.09	0.00	69.0				
1980	-	1.25	4.60	10.2	8.48	73.6	-	0.70	0.00	9.51	0.00	56.2				
1985	-	1.19	3.71	8.25	13.1	56.5	-	0.74	0.00	6.18	0.00	51.4				
1990	-	0.73	2.76	6.63	12.5	53.1	-	0.38	0.00	5.30	0.00	39.2				
1995	-	0.91	2.51	5.19	9.97	36.3	-	0.36	0.00	4.39	0.00	36.8				
2000	-	0.52	1.85	5.61	7.77	45.9	-	0.38	0.14	4.15	1.79	31.9				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1965-2000: MALTA

ALL CANCER mortality rates attributed and not attributed to smoking



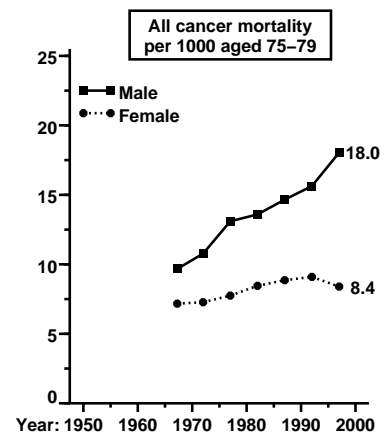
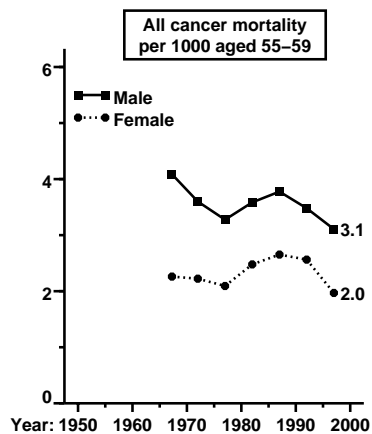
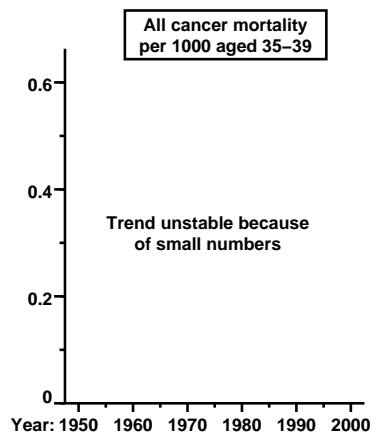
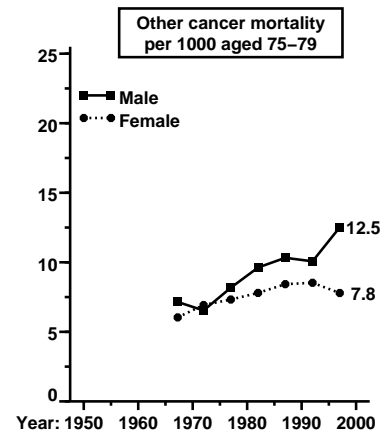
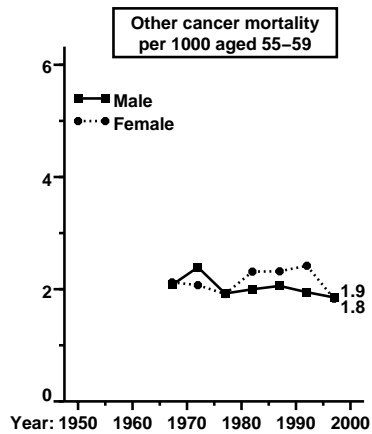
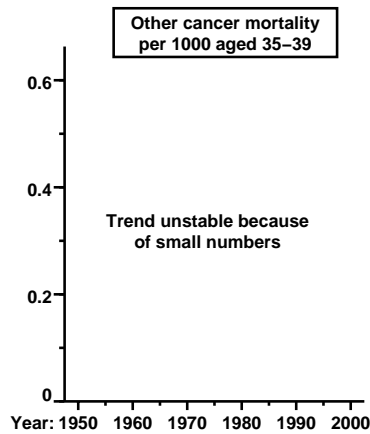
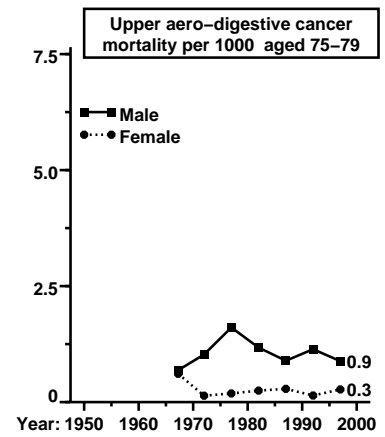
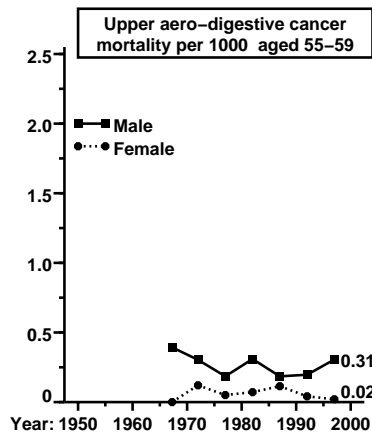
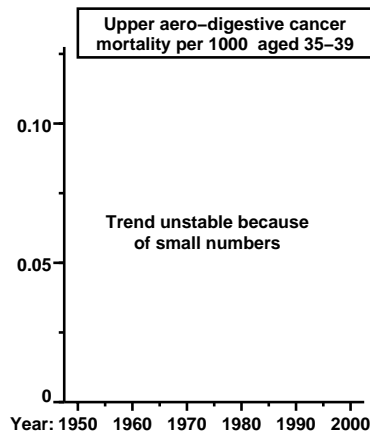
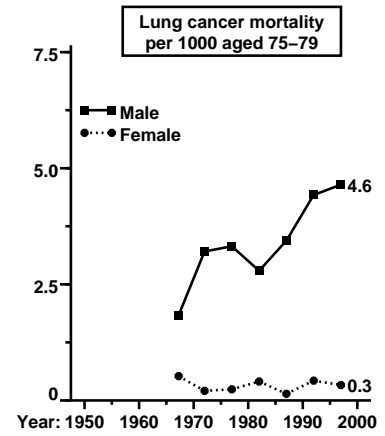
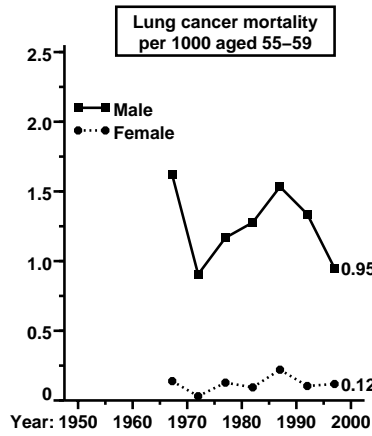
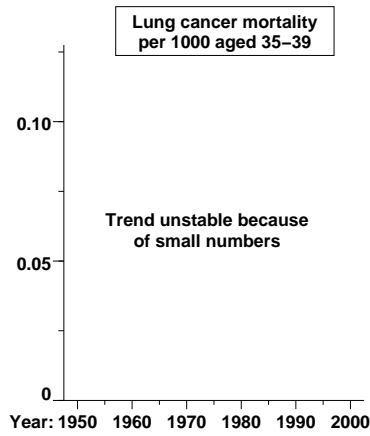
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	-	0.06	1.52	2.12	2.86	6.90	-	0.11	0.02	2.21	0.00	6.60	0.00	6.60	0.00	6.60
1970	-	0.15	1.46	1.95	2.07	7.39	-	0.05	0.00	2.13	0.00	7.96	0.00	7.96	0.00	7.96
1975	-	0.10	1.83	1.65	1.71	7.85	-	0.07	0.00	2.01	0.00	5.64	0.00	5.64	0.00	5.64
1980	-	0.11	1.68	1.85	2.94	8.67	-	0.06	0.00	2.47	0.00	7.59	0.00	7.59	0.00	7.59
1985	-	0.06	1.52	1.76	4.74	8.61	-	0.07	0.00	2.00	0.00	8.56	0.00	8.56	0.00	8.56
1990	-	0.06	1.23	1.61	4.85	10.3	-	0.07	0.00	1.84	0.00	6.65	0.00	6.65	0.00	6.65
1995	-	0.09	1.37	1.78	4.66	9.39	-	0.07	0.00	1.92	0.00	8.85	0.00	8.85	0.00	8.85
2000	-	0.00	0.92	1.72	3.01	8.96	-	0.04	0.05	1.99	0.66	8.31	0.66	8.31	0.66	8.31

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**MALTA: 1965-2000**

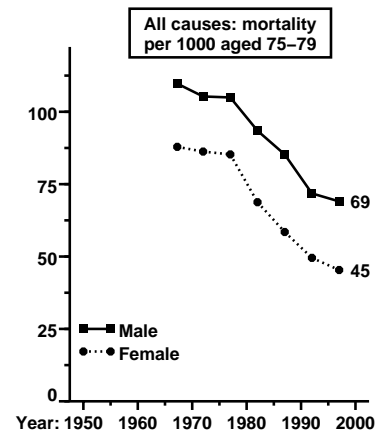
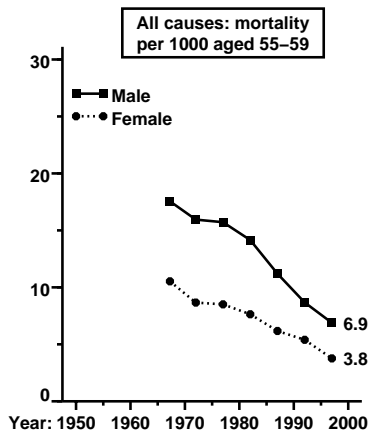
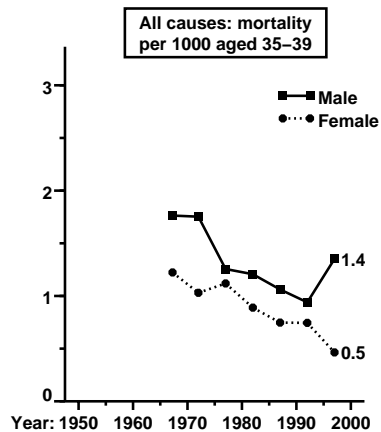
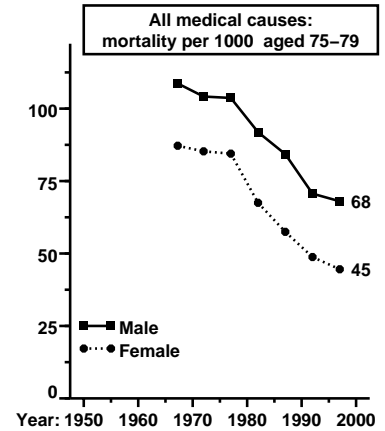
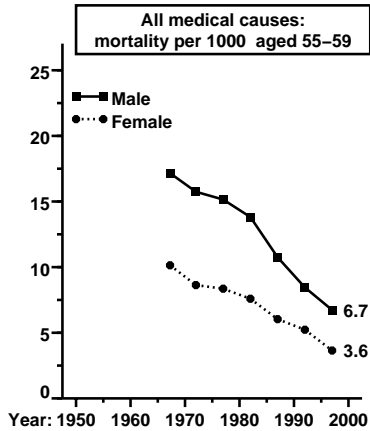
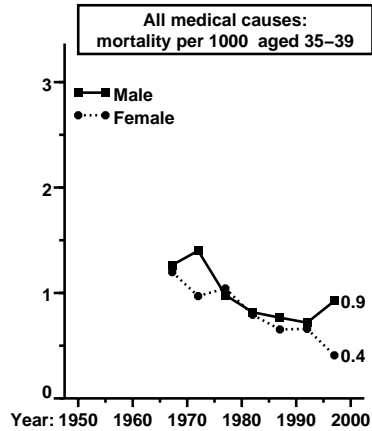
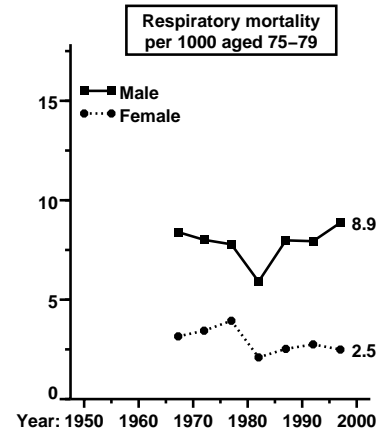
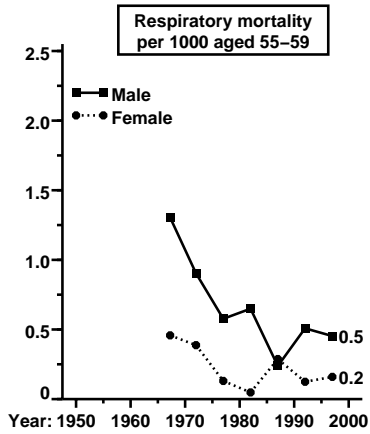
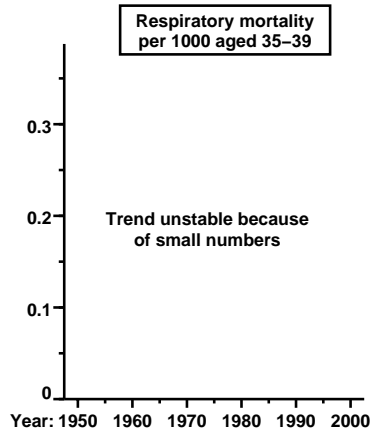
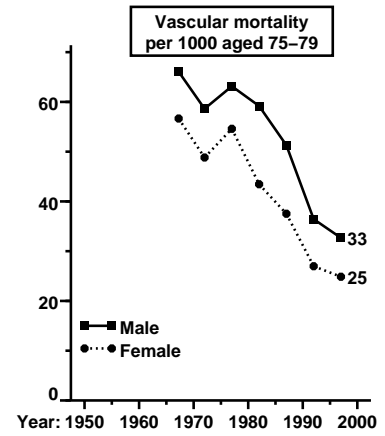
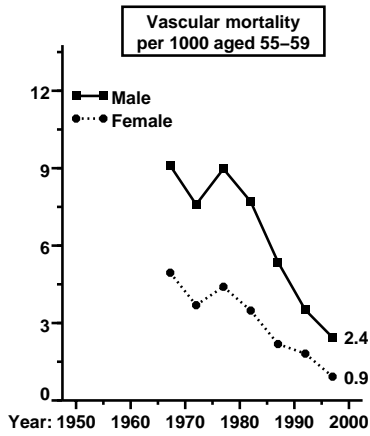
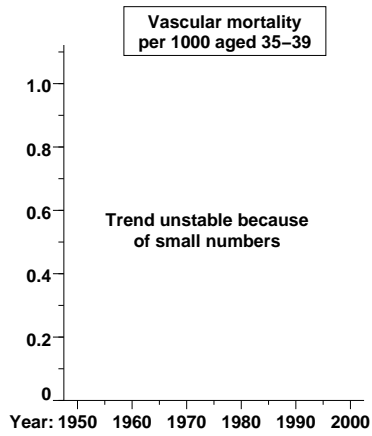
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1965-69, ..., 1995-99; year 2000 on pages 314-315

1965-2000: MALTA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1965-69,.....,1995-99; year 2000 on pages 314-315

<b>MOLDOVA, Republic of: 2000</b>
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		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	21162	1755	11211	1514.7	167.0	1858.9	398.4	49.9	46.8	85.3	141.3	186.5	260.4
	F	20062	849	7370	954.9	85.4	997.1	288.9	31.2	21.8	40.0	47.4	72.7	95.8
Tuberculosis	M	528	108	410	28.2	10.4	50.6	0.8	-	-	2.0	7.8	24.0	38.6
	F	88	21	54	3.9	1.9	5.6	-	-	-	0.5	4.0	3.8	5.2
HIV	M	7	5	2	0.3	0.4	0.2	-	-	-	1.0	1.1	-	0.7
	F	4	3	1	0.2	0.3	0.1	-	-	-	-	0.6	0.6	0.7
Other infective and parasitic	M	61	38	19	3.4	3.9	2.4	20.4	0.6	1.9	1.0	1.1	1.3	0.7
	F	46	29	14	2.6	3.2	1.8	19.0	-	-	1.0	1.1	0.6	0.7
ALL CANCER	M	2533	85	1887	166.9	7.8	323.1	7.8	4.3	4.8	5.4	5.0	8.4	18.5
	F	2014	92	1372	94.4	8.8	174.9	5.0	5.1	2.0	3.0	4.5	15.9	25.8
Mouth and pharynx cancer	M	192	3	164	12.5	0.3	25.7	-	-	0.5	-	-	0.6	0.7
	F	28	1	18	1.3	0.1	2.3	-	-	-	-	-	-	0.7
Oesophagus cancer	M	46	-	37	3.2	-	6.4	-	-	-	-	-	-	-
	F	15	-	10	0.7	-	1.3	-	-	-	-	-	-	-
Stomach cancer	M	336	1	254	22.5	0.1	42.9	-	-	-	-	-	-	0.7
	F	184	7	120	8.5	0.7	15.4	-	-	-	-	1.1	0.6	2.9
Colorectal cancer	M	291	6	200	19.6	0.6	36.2	-	-	-	-	0.6	0.6	3.0
	F	283	5	163	13.0	0.5	22.0	-	-	-	-	-	0.6	2.9
Liver cancer	M	150	6	111	9.9	0.6	19.9	1.6	-	-	1.0	-	-	1.5
	F	73	-	47	3.5	-	6.5	-	-	-	-	-	-	-
Pancreas cancer	M	138	1	101	9.0	0.1	16.8	-	-	-	-	-	-	0.7
	F	98	1	56	4.6	0.1	7.5	-	-	-	-	-	-	0.7
Larynx cancer	M	114	1	95	7.4	0.1	16.2	-	-	-	-	-	-	0.7
	F	6	1	4	0.3	0.1	0.6	-	-	-	-	-	-	0.7
Lung cancer	M	589	5	477	39.0	0.4	83.9	-	-	0.5	0.5	-	0.6	1.5
	F	139	2	99	6.4	0.2	13.1	-	-	-	-	-	0.6	0.7
Malignant melanoma	M	17	2	12	1.1	0.2	1.8	-	-	-	0.5	-	-	0.7
	F	17	-	13	0.8	-	1.5	-	-	-	-	-	-	-
Female breast cancer	F	389	10	309	18.7	1.0	37.2	-	-	-	-	-	2.5	4.4
Cervix cancer	F	144	6	104	6.6	0.6	12.4	-	-	-	-	0.6	0.6	2.9
Other uterine cancer	F	96	-	64	4.4	-	8.3	-	-	-	-	-	-	-
Ovarian cancer	F	95	5	70	4.6	0.4	9.0	-	-	0.5	-	0.6	1.3	0.7
Prostate cancer	M	86	-	45	6.3	-	8.9	-	-	-	-	-	-	-
Bladder cancer	M	118	1	74	8.1	0.1	13.8	-	-	-	-	-	-	0.7
	F	20	-	9	0.9	-	1.3	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	329	26	240	21.0	2.5	38.8	3.1	1.2	0.5	0.5	3.3	2.6	5.9
	F	302	27	205	14.4	2.6	26.0	4.1	1.9	-	1.0	1.1	5.7	4.4
Hodgkin's disease	M	22	4	16	1.3	0.3	2.5	-	0.6	-	1.0	-	-	0.7
	F	18	4	13	0.9	0.4	1.7	-	-	-	0.5	-	0.6	1.5
Myeloma and non-Hodgkin lymphomas	M	40	11	25	2.2	0.9	3.8	0.8	1.2	1.9	-	1.1	1.3	-
	F	45	3	31	2.1	0.3	4.2	0.8	-	-	-	0.6	0.6	-
Leukaemia	M	65	18	36	3.9	1.6	5.6	2.4	1.2	1.4	2.0	-	2.6	1.5
	F	62	20	37	2.9	1.8	4.6	-	3.2	1.5	1.5	0.6	2.5	2.9
Diabetes	M	142	12	99	9.0	1.1	16.8	0.8	0.6	-	0.5	0.6	2.6	3.0
	F	225	16	146	10.4	1.4	20.0	-	1.3	-	1.0	2.3	2.5	2.9
ALL VASCULAR DISEASE	M	10379	73	4382	823.8	6.9	810.6	4.7	-	0.5	3.9	5.5	14.2	19.3
	F	12619	35	3503	595.3	3.4	503.1	3.3	0.6	1.0	1.5	1.7	3.8	11.8
Rheumatic heart disease and fever	M	100	11	86	5.7	1.1	11.8	-	-	-	0.5	0.6	1.9	4.5
	F	130	10	106	6.4	0.9	12.7	-	0.6	0.5	1.5	-	0.6	2.9
Hypertensive disease	M	143	1	78	10.1	0.1	14.6	-	-	-	-	-	-	0.7
	F	179	1	86	8.1	0.1	11.7	-	-	-	-	-	-	0.7
Ischaemic heart disease	M	6989	28	2567	571.6	2.6	485.9	-	-	-	1.5	2.2	6.5	8.2
	F	8494	12	1824	402.4	1.2	268.1	-	-	-	-	1.1	1.9	5.2
Pulmonary embolism and other venous	M	32	1	21	2.1	0.1	3.2	-	-	-	-	-	-	0.7
	F	16	-	13	0.7	-	1.5	-	-	-	-	-	-	-
Cerebrovascular disease	M	2809	13	1450	212.5	1.2	266.6	-	-	-	0.5	1.1	4.5	2.2
	F	3613	4	1413	168.6	0.4	201.4	0.8	-	-	-	-	1.3	0.7
Other vascular disease	M	306	19	180	21.9	1.8	28.4	4.7	-	0.5	1.5	1.7	1.3	3.0
	F	187	8	61	9.0	0.8	7.6	2.5	-	0.5	-	0.6	-	2.2
Chronic obstructive pulmonary disease	M	972	5	464	73.9	0.5	88.7	-	-	-	-	-	1.3	2.2
	F	616	2	180	28.9	0.2	26.1	-	-	-	-	0.6	-	0.7
Other respiratory disease	M	629	130	417	38.6	13.5	60.4	69.0	1.2	1.9	4.4	3.9	7.1	6.7
	F	310	107	138	15.9	11.7	17.4	63.7	1.9	1.0	2.5	4.5	3.8	4.4
Peptic ulcer	M	138	5	111	8.8	0.5	16.0	-	-	-	-	-	1.3	2.2
	F	38	1	20	1.8	0.1	2.4	-	-	-	-	-	-	0.7
Liver cirrhosis	M	1395	35	1053	89.7	3.4	167.6	-	-	0.5	0.5	3.3	3.9	15.6
	F	1561	24	1048	73.5	2.2	137.8	-	-	1.5	1.0	1.7	3.2	8.1
Renal disease	M	133	10	82	8.7	0.8	12.9	-	-	0.5	1.5	1.1	1.9	0.7
	F	143	17	81	6.7	1.6	10.2	0.8	1.3	0.5	0.5	1.1	3.8	2.9
Pregnancy, birth	F	10	8	2	0.4	0.7	0.2	-	-	-	1.5	0.6	1.9	0.7
Congenital and perinatal causes	M	285	278	6	17.5	30.6	0.9	203.9	3.0	1.4	2.0	1.7	1.3	0.7
	F	188	185	3	11.9	21.2	0.2	137.4	3.2	1.5	3.5	1.7	-	0.7
Ill-defined causes	M	522	23	89	54.4	2.3	13.4	8.6	-	-	1.5	1.1	1.9	3.0
	F	874	9	37	46.3	1.0	5.1	5.0	-	-	-	0.6	0.6	0.7
Other medical causes	M	850	169	565	50.5	15.7	79.8	25.1	9.7	4.8	10.4	11.6	18.8	29.7
	F	534	85	334	25.2	7.7	40.4	11.6	4.5	5.5	7.6	6.8	8.9	8.8
ALL NON-MEDICAL CAUSES	M	2588	779	1625	141.1	69.2	215.5	57.3	30.5	30.6	51.3	97.5	98.4	118.7
	F	792	215	437	37.6	20.1	51.8	43.0	13.4	8.9	16.2	15.8	22.9	20.6
Road traffic accidents	M	347	154	163	18.1	13.3	21.4	3.1	6.7	6.7	10.9	21.6	22.0	22.3
	F	102	42	45	4.6	3.8	5.0	2.5	3.2	0.5	3.5	3.4	8.3	5.2
Fire	M	60	15	38	3.4	1.4	5.3	3.9	0.6	0.5	1.5	1.1	0.6	1.5
	F	33	11	9	1.7	1.2	1.2	7.5	-	0.5	-	-	0.6	-
Suicide	M	466	91	333	26.1	8.0	44.5	-	0.6	1.9	6.9	13.3	18.1	14.8
	F	78	14	54	3.7	1.2	6.7	-	-	-	2.0	2.3	2.5	1.5
Homicide	M	312	107	190	16.3	9.6	23.5	3.9	-	1.9	5.4	15.5	21.4	19.3
	F	120	32	65	5.6	2.9	7.4	3.3	1.3	1.0	2.0	3.4	4.5	5.2
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
					2043.1	1173.4	780.6	127.5	164.2	209.3	202.7	180.5	154.4	134.8
					2231.8	1146.9	919.5	120.8	157.1	201.6	197.6	177.2	156.9	135.7

## 2000: Republic of MOLDOVA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
426.7	603.3	994.5	1380.6	2205.1	2938.4	4463.7	6095.1	9733.8	17761.3	M	ALL CAUSES	001-999/A00-Y89
150.8	252.2	400.0	654.3	1125.3	1687.2	2709.7	3967.9	7000.0	14441.9	F		
46.2	48.5	73.7	51.9	46.6	59.0	28.1	14.8	3.8	12.9	M	Tuberculosis	010-018, 137/ A15-A19, B90
8.4	7.7	3.7	5.0	5.3	5.6	3.5	7.7	11.5	2.8	F		
-	1.2	-	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.6	-	-	-	-	-	-	-	-	-	F		
2.0	2.4	2.0	3.9	1.3	3.8	1.7	6.3	3.8	-	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.6	1.1	0.6	1.7	2.1	2.8	3.5	1.3	1.9	2.8	F		
39.6	70.3	135.1	272.0	470.0	576.6	698.0	682.9	669.2	400.0	M	ALL CANCER	140-208/C00-C97
39.0	64.0	117.1	156.4	215.8	293.2	338.7	356.9	375.5	215.3	F		
3.3	4.8	21.1	38.2	42.6	35.2	34.7	42.3	-	32.3	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.6	2.4	1.7	2.1	4.7	4.6	6.4	5.7	2.8	F		
-	1.2	2.0	8.8	8.0	10.1	14.9	8.5	11.4	12.9	M	Oesophagus cancer	150/C15
-	0.6	0.6	0.8	-	2.8	4.6	2.6	5.7	-	F		
5.9	11.5	14.3	40.1	79.9	74.1	74.3	107.8	83.7	51.6	M	Stomach cancer	151/C16
3.6	7.7	6.7	13.5	13.7	27.1	35.7	33.4	42.1	25.5	F		
1.3	4.8	14.3	22.5	49.3	59.0	102.3	105.7	98.9	58.1	M	Colorectal cancer	153, 154/C18-C21
2.4	6.1	10.4	12.6	24.2	37.3	61.1	74.5	72.8	53.8	F		
0.7	4.2	7.5	10.8	28.0	35.2	52.8	46.5	30.4	19.4	M	Liver cancer	155.0, 155.1/C22
-	-	2.4	5.9	10.5	14.0	12.7	16.7	19.2	8.5	F		
2.6	6.7	8.9	10.8	17.3	31.4	39.6	42.3	45.6	25.8	M	Pancreas cancer	157/C25
1.2	1.1	2.4	10.9	10.5	9.3	17.3	28.2	28.7	11.3	F		
1.3	3.6	8.9	13.7	26.6	22.6	36.3	21.1	30.4	-	M	Larynx cancer	161/C32
-	-	-	-	1.1	1.9	1.2	-	1.9	-	F		
5.3	13.3	24.6	71.4	122.5	178.4	171.6	131.1	148.3	38.7	M	Lung cancer	162/C33, C34
1.2	3.3	7.9	5.0	14.7	31.7	27.6	24.4	30.7	8.5	F		
0.7	0.6	1.4	2.9	2.7	2.5	1.7	-	7.6	6.5	M	Malignant melanoma	172/C43
0.6	0.6	2.4	0.8	2.1	3.7	-	2.6	1.9	2.8	F		
4.8	22.1	36.6	42.9	53.7	59.8	40.3	51.3	34.5	34.0	F	Female breast cancer	174/C50
9.6	7.7	7.3	12.6	9.5	16.8	23.0	23.1	26.8	5.7	F	Cervix cancer	180/C53
1.8	4.4	3.7	5.9	9.5	11.2	21.9	19.3	23.0	14.2	F	Other uterine cancer	179, 182/C54, C55
1.2	1.1	8.5	8.4	16.8	13.1	13.8	16.7	11.5	2.8	F	Ovarian cancer	183.0/C56
-	0.6	1.4	2.0	8.0	17.6	33.0	29.6	76.0	45.2	M	Prostate cancer	185/C61
1.3	1.2	2.7	7.8	17.3	25.1	41.3	55.0	45.6	32.3	M	Bladder cancer	188/C67
-	-	0.6	0.8	2.1	0.9	4.6	6.4	7.7	5.7	F		
13.2	10.9	23.2	32.3	49.3	61.6	80.9	74.0	68.4	64.5	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
7.8	6.6	18.3	26.9	31.6	43.9	47.2	39.8	49.8	36.8	F		
-	1.8	1.4	2.0	4.0	5.0	3.3	2.1	-	6.5	M	Hodgkin's disease	201/C81
1.2	0.6	0.6	0.8	3.2	1.9	3.5	1.3	-	-	F		
2.0	1.8	1.4	4.9	1.3	8.8	6.6	4.2	7.6	-	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.6	0.6	3.0	2.5	3.2	6.5	12.7	9.0	5.7	2.8	F		
2.0	3.0	2.0	3.9	13.3	10.1	5.0	12.7	15.2	6.5	M	Leukaemia	204-208/C91-C95
3.0	1.1	3.0	4.2	7.4	6.5	6.9	1.3	7.7	-	F		
2.6	3.6	10.2	7.8	30.6	26.4	36.3	50.7	19.0	12.9	M	Diabetes	250/E10-E14
0.6	2.8	7.3	14.3	21.1	46.7	47.2	50.1	38.3	11.3	F		
52.2	121.7	249.0	403.1	818.9	1412.1	2617.2	4052.9	7212.9	13612.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
22.2	57.9	102.4	228.8	485.3	893.6	1731.6	2844.7	5492.3	11325.8	F		
5.9	8.5	14.3	11.7	16.0	11.3	14.9	4.2	3.8	-	M	Rheumatic heart disease and fever	390-398/I00-I09
3.6	7.2	10.4	18.5	23.2	16.8	9.2	12.8	5.7	2.8	F		
0.7	0.6	3.4	7.8	20.0	30.2	39.6	67.7	95.1	45.2	M	Hypertensive disease	401-405/I10-I15
-	1.7	5.5	8.4	8.4	27.1	31.1	38.5	84.3	51.0	F		
22.5	56.9	130.3	208.4	426.1	870.6	1686.5	2856.2	5296.6	10645.2	M	Ischaemic heart disease	410-414/I20-I25
7.8	20.4	36.6	72.3	227.4	488.3	1024.2	1893.5	3888.9	8932.0	F		
0.7	1.8	2.7	2.9	4.0	3.8	6.6	12.7	11.4	6.5	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.8	1.1	1.2	1.7	-	-	4.6	-	1.9	5.7	F		
13.2	39.4	81.9	153.6	307.6	457.3	813.5	1035.9	1695.8	2645.2	M	Cerebrovascular disease	430-438/I60-I69
7.2	22.6	45.1	116.1	222.1	352.9	644.0	875.5	1434.9	2167.1	F		
9.2	14.5	16.4	18.6	45.3	38.9	56.1	76.1	110.3	271.0	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
1.8	5.0	3.7	11.8	4.2	8.4	18.4	24.4	76.6	167.1	F		
5.3	6.7	18.4	33.3	86.6	177.1	293.7	380.5	695.8	903.2	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.6	1.1	4.3	11.8	31.6	49.5	84.1	141.2	293.1	484.4	F		
22.5	31.5	58.0	71.4	94.5	75.4	69.3	105.7	72.2	83.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
3.6	8.8	12.2	18.5	17.9	21.5	39.2	28.2	47.9	51.0	F		
5.9	12.1	10.2	21.5	24.0	20.1	18.2	25.4	11.4	45.2	M	Peptic ulcer	531-533/K25-K27
1.8	1.1	1.8	2.5	4.2	0.9	4.6	11.6	9.6	8.5	F		
41.6	64.2	115.3	145.8	225.0	234.9	346.5	363.6	361.2	258.1	M	Liver cirrhosis	571/K70, K74
23.4	41.9	73.2	106.0	188.4	229.7	301.8	320.9	289.3	249.3	F		
5.3	6.1	5.5	12.7	14.6	21.4	24.8	38.1	60.8	45.2	M	Renal disease	580-590/N00-N19
3.6	5.0	7.3	6.7	13.7	12.1	23.0	20.5	30.7	36.8	F		
0.6	0.6	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-O99
0.7	0.6	0.7	-	2.7	-	1.7	-	3.8	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
-	1.1	0.6	-	-	-	-	-	-	-	F	III-defined causes	780-799/R00-R99
4.0	6.1	11.6	14.7	22.6	15.1	19.8	33.8	296.6	2038.7	M		
0.6	1.1	1.8	5.0	6.3	5.6	15.0	39.8	251.0	1886.7	F		
41.6	45.4	81.2	91.0	90.5	106.8	102.3	118.4	129.3	167.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
22.8	18.2	26.8	45.4	61.1	64.4	43.8	74.5	69.0	59.5	F		
157.2	182.9	223.7	251.5	277.0	209.8	206.3	222.0	193.9	180.6	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
22.2	39.7	40.9	52.1	72.6	61.6	73.7	70.6	90.0	107.6	F		
19.2	20.0	20.5	22.5	24.0	18.8	24.8	27.5	45.6	32.3	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
3.0	5.0	6.7	3.4	3.2	5.6	8.1	10.3	7.7	8.5	F		
2.6	3.6	4.1	9.8	2.7	6.3	8.3	10.6	7.6	-	M	Fire	E890-E899/X00-X09
-	-	1.8	1.7	-	-	4.6	2.6	9.6	17.0	F		
33.7	38.2	44.3	44.0	62.6	44.0	44.6	50.7	45.6	38.7	M	Suicide	E950-E959/X60-X84
1.8	3.9	3.0	7.6	8.4	13.1	9.2	5.1	5.7	8.5	F		
29.7	19.4	27.3	30.3	29.3	15.1	13.2	25.4	11.4	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
5.4	8.8	2.4	10.1	9.5	6.5	9.2	15.4	9.6	17.0	F		
151.4	165.1	146.6	102.2	75.1	79.6	60.6	47.3	26.3	15.5	M	POPULATION	
166.5	181.2	164.0	118.9	95.0	107.1	86.8	77.9	52.2	35.3	F	(1000s; UN, 2004 revision)	

<b>MOLDOVA, Republic of: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2848	155	6	6	143	9	298	153	66	888	1279
35-69	Sm.	4299	1176	663	278	235	522	249	1704	-	648	-
	Total	14808 (29%)	2459 (48%)	711 (93%)	403 (69%)	1345 (17%)	666 (78%)	652 (38%)	5577 (31%)	1491	1737 (37%)	2226
70+	Sm.	811	165	117	21	27	252	6	303	-	85	-
	Total	9362 (9%)	680 (24%)	146 (80%)	56 (38%)	478 (6%)	506 (50%)	82 (7%)	5370 (6%)	277	2272 (4%)	175
Any age	Sm.	5110	1341	780	299	262	774	255	2007	-	733	-
	Total	27018 (19%)	3294 (41%)	863 (90%)	465 (64%)	1966 (13%)	1181 (66%)	1032 (25%)	11100 (18%)	1834	4897 (15%)	3680
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1755	85	5	4	76	5	130	73	35	648	779
35-69	Sm.	2569	743	430	174	139	324	120	988	-	394	-
	Total	11211 (23%)	1887 (39%)	477 (90%)	296 (59%)	1114 (12%)	464 (70%)	417 (29%)	4382 (23%)	1053	1383 (28%)	1625
70+	Sm.	538	104	76	14	14	201	3	209	-	21	-
	Total	8196 (7%)	561 (19%)	107 (71%)	52 (27%)	402 (3%)	503 (40%)	82 (4%)	5924 (4%)	307	635 (3%)	184
Any age	Sm.	3107	847	506	188	153	525	123	1197	-	415	-
	Total	21162 (15%)	2533 (33%)	589 (86%)	352 (53%)	1592 (10%)	972 (54%)	629 (20%)	10379 (12%)	1395	2666 (16%)	2588

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2073.0	1228.9	764.7	173.9	157.1	111.9	85.0	94.3	76.7	65.8	42.0	19.7	17.7
2000	2043.1	1173.4	780.6	151.4	165.1	146.6	102.2	75.1	79.6	60.6	47.3	26.3	15.5
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	27018	2848	14808	1022	1465	1511	1757	2521	2982	3550	3203	2157	4002
2000	21162	1755	11211	646	996	1458	1411	1656	2339	2705	2883	2560	2753
<b>Lung cancer</b>													
1995	863	6	711	12	43	53	87	163	176	177	98	31	17
2000	589	5	477	8	22	36	73	92	142	104	62	39	6
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1943.4*	249.0*	2413.4*	587.7	932.5	1350.3	2067.1	2673.4	3887.9	5395.1	7626.2	10949.2	22610.2
2000	1514.7*	167.0*	1858.9*	426.7	603.3	994.5	1380.6	2205.1	2938.4	4463.7	6095.1	9733.8	17761.3
<b>All cancer</b>													
1995	222.1*	13.4*	416.8*	44.3	102.5	191.2	374.1	545.1	754.9	905.8	911.9	908.6	666.7
2000	166.9*	7.8*	323.1*	39.6	70.3	135.1	272.0	470.0	576.6	698.0	682.9	669.2	400.0
<b>Lung cancer</b>													
1995	57.8*	0.5*	122.2*	6.9	27.4	47.4	102.4	172.9	229.5	269.0	233.3	157.4	96.0
2000	39.0*	0.4*	83.9*	5.3	13.3	24.6	71.4	122.5	178.4	171.6	131.1	148.3	38.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	31.2*	0.6*	65.2*	4.0	24.8	44.7	100.0	87.0	100.4	95.7	83.3	76.1	33.9
2000	23.0*	0.4*	48.3*	4.6	9.7	32.1	60.7	77.2	67.8	85.8	71.9	41.8	45.2
<b>Other cancer</b>													
1995	133.1*	12.3*	229.4*	33.4	50.3	99.2	171.8	285.3	425.0	541.0	595.2	675.1	536.7
2000	104.8*	6.9*	190.9*	29.7	47.2	78.4	139.9	270.3	330.4	440.6	479.9	479.1	316.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	88.3*	0.8*	120.3*	9.8	15.9	25.9	82.4	119.8	226.9	361.7	588.1	619.3	774.0
2000	73.9*	0.5*	88.7*	5.3	6.7	18.4	33.3	86.6	177.1	293.7	380.5	695.8	903.2
<b>Other respiratory disease</b>													
1995	60.5*	25.7*	93.0*	44.3	70.7	92.9	120.0	120.9	99.1	103.3	88.1	121.8	118.6
2000	38.6*	13.5*	60.4*	22.5	31.5	58.0	71.4	94.5	75.4	69.3	105.7	72.2	83.9
<b>Vascular disease</b>													
1995	868.6*	13.7*	997.0*	84.5	157.9	329.8	608.2	972.4	1864.4	2962.0	4733.3	6634.5	11723.2
2000	823.8*	6.9*	810.6*	52.2	121.7	249.0	403.1	818.9	1412.1	2617.2	4052.9	7212.9	13612.9
<b>Liver cirrhosis</b>													
1995	119.6*	6.1*	237.9*	47.2	105.0	161.8	238.8	298.0	396.3	417.9	397.6	355.3	226.0
2000	89.7*	3.4*	167.6*	41.6	64.2	115.3	145.8	225.0	234.9	346.5	363.6	361.2	258.1
<b>Other medical causes</b>													
1995	383.5*	76.5*	251.3*	125.9	196.1	221.6	287.1	270.4	276.4	381.5	711.9	2096.4	8813.6
2000	180.7*	65.8*	193.0*	108.3	126.0	195.1	203.5	233.0	252.5	232.7	287.5	528.5	2322.6
<b>All non-medical causes</b>													
1995	200.8*	112.9*	297.1*	231.7	284.5	327.1	356.5	346.8	269.9	262.9	195.2	213.2	288.1
2000	141.1*	69.2*	215.5*	157.2	182.9	223.7	251.5	277.0	209.8	206.3	222.0	193.9	180.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994



## 1995, 2000: Republic of MOLDOVA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1382	124	3	1	120	4	197	65	37	617	338
35-69	Sm.	435	65	50	5	10	75	9	242	-	44	-
	Total	10148	1673	118	40	1515	242	226	4658	1646	995	708
		(4%)	(4%)	(42%)	(13%)	(1%)	(31%)	(4%)	(5%)		(4%)	
70+	Sm.	23	2	2	0	0	8	0	11	-	2	-
	Total	14324	694	46	18	630	371	60	8460	420	4111	208
		(0%)	(0%)	(4%)	(0%)	(0%)	(2%)	(0%)	(0%)		(0%)	
Any age	Sm.	458	67	52	5	10	83	9	253	-	46	-
	Total	25854	2491	167	59	2265	617	483	13183	2103	5723	1254
		(2%)	(3%)	(31%)	(8%)	(0%)	(13%)	(2%)	(2%)		(1%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	849	92	2	2	88	2	107	35	24	374	215
35-69	Sm.	214	37	30	3	4	37	3	117	-	20	-
	Total	7370	1372	99	32	1241	180	138	3503	1048	692	437
		(3%)	(3%)	(30%)	(9%)	(0%)	(21%)	(2%)	(3%)		(3%)	
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	11843	550	38	15	497	434	65	9081	489	1084	140
		(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)	(0%)		(0%)	
Any age	Sm.	214	37	30	3	4	37	3	117	-	20	-
	Total	20062	2014	139	49	1826	616	310	12619	1561	2150	792
		(1%)	(2%)	(22%)	(6%)	(0%)	(6%)	(1%)	(1%)		(1%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2266.6	1217.0	900.9	186.5	170.2	125.4	102.5	118.6	100.7	97.0	73.7	36.0	39.0
2000	2231.8	1146.9	919.5	166.5	181.2	164.0	118.9	95.0	107.1	86.8	77.9	52.2	35.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	25854	1382	10148	397	647	721	1018	1814	2265	3286	4046	3074	7204
2000	20062	849	7370	251	457	656	778	1069	1807	2352	3091	3654	5098
<b>Lung cancer</b>													
1995	167	3	118	2	3	12	9	20	31	41	22	10	14
2000	139	2	99	2	6	13	6	14	34	24	19	16	3
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1258.7*	119.7*	1332.5*	212.9	380.1	575.0	993.2	1529.5	2249.3	3387.6	5489.8	8538.9	18471.8
2000	954.9*	85.4*	997.1*	150.8	252.2	400.0	654.3	1125.3	1687.2	2709.7	3967.9	7000.0	14441.9
<b>All cancer</b>													
1995	119.3*	10.5*	213.9*	46.6	81.7	134.0	171.7	273.2	347.6	442.3	517.0	466.7	371.8
2000	94.4*	8.8*	174.9*	39.0	64.0	117.1	156.4	215.8	293.2	338.7	356.9	375.5	215.3
<b>Lung cancer</b>													
1995	8.0*	0.3*	15.9*	1.1	1.8	9.6	8.8	16.9	30.8	42.3	29.9	27.8	35.9
2000	6.4*	0.2*	13.1*	1.2	3.3	7.9	5.0	14.7	31.7	27.6	24.4	30.7	8.5
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.8*	0.1*	5.2*	1.1	1.2	2.4	3.9	6.7	7.9	13.4	10.9	11.1	15.4
2000	2.2*	0.2*	4.2*	-	1.1	3.0	2.5	3.2	9.3	10.4	9.0	13.4	2.8
<b>Other cancer</b>													
1995	108.5*	10.2*	192.8*	44.5	78.7	122.0	159.0	249.6	308.8	386.6	476.3	427.8	320.5
2000	85.7*	8.4*	157.6*	37.8	59.6	106.1	148.9	197.9	252.1	300.7	323.5	331.4	204.0
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	29.5*	0.3*	33.5*	2.7	1.8	4.0	21.5	28.7	69.5	106.2	200.8	230.6	359.0
2000	28.9*	0.2*	26.1*	0.6	1.1	4.3	11.8	31.6	49.5	84.1	141.2	293.1	484.4
<b>Other respiratory disease</b>													
1995	23.5*	17.0*	27.3*	8.0	20.6	27.9	31.2	32.9	39.7	30.9	31.2	55.6	43.6
2000	15.9*	11.7*	17.4*	3.6	8.8	12.2	18.5	17.9	21.5	39.2	28.2	47.9	51.0
<b>Vascular disease</b>													
1995	636.1*	5.6*	638.0*	36.5	80.5	138.8	310.2	620.6	1181.7	2097.9	3692.0	5494.4	9643.6
2000	595.3*	3.4*	503.1*	22.2	57.9	102.4	228.8	485.3	893.6	1731.6	2844.7	5492.3	11325.8
<b>Liver cirrhosis</b>													
1995	103.8*	3.2*	212.3*	31.6	67.0	112.4	243.9	319.6	349.6	361.9	346.0	286.1	159.0
2000	73.5*	2.2*	137.8*	23.4	41.9	73.2	106.0	188.4	229.7	301.8	320.9	289.3	249.3
<b>Other medical causes</b>													
1995	286.5*	53.8*	124.3*	46.1	58.8	75.8	121.0	148.4	166.8	253.6	591.6	1852.8	7712.8
2000	109.4*	39.0*	85.9*	39.6	38.6	50.0	80.7	113.7	138.2	140.6	205.4	411.9	2008.5
<b>All non-medical causes</b>													
1995	59.9*	29.2*	83.2*	41.3	69.9	82.1	93.7	106.2	94.3	94.8	111.3	152.8	182.1
2000	37.6*	20.1*	51.8*	22.2	39.7	40.9	52.1	72.6	61.6	73.7	70.6	90.0	107.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>MOLDOVA, Republic of: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.8	– / 0.8	–
35–69	2.6 / 11	0.2 / 7.4	20 years
70+	0.5 / 8.2	0.0 / 12	8 years
<b>All ages</b>	<b>3.1 / 21</b>	<b>0.2 / 20</b>	<b>18 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

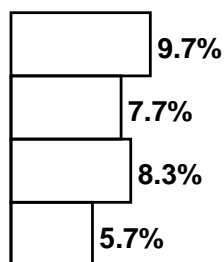
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.4/0.5	0.1/0.1	0.5/0.6	–/0.0	0.0/0.1	0.0/0.0	0.0/0.1
All Cancer	–/0.1	0.7/1.9 (39%)	0.1/0.6 (19%)	0.8/2.5	–/0.1	0.0/1.4 (3%)	0.0/0.6 (0%)	0.0/2.0
Vascular	–/0.1	1.0/4.4	0.2/5.9	1.2/10	–/0.0	0.1/3.5	0.0/9.1	0.1/13
Respiratory	–/0.1	0.4/0.9	0.2/0.6	0.6/1.6	–/0.1	0.0/0.3	0.0/0.5	0.0/0.9
All Other	–/1.5	0.4/4.1	0.0/1.1	0.4/6.6	–/0.6	0.0/2.2	0.0/1.7	0.0/4.5
<b>All Causes</b>	<b>–/1.8</b>	<b>2.6/11 (23%)</b>	<b>0.5/8.2 (7%)</b>	<b>3.1/21</b>	<b>–/0.8</b>	<b>0.2/7.4 (3%)</b>	<b>0.0/12 (0%)</b>	<b>0.2/20</b>

**Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	0.8 / 2.5 (33%)	0.0 / 2.0 (2%)	0.9 / 4.5 (19%)
All Causes	3.1 / 21 (15%)	0.2 / 20 (1%)	3.3 / 41 (8%)

1985-2000: Republic of MOLDOVA

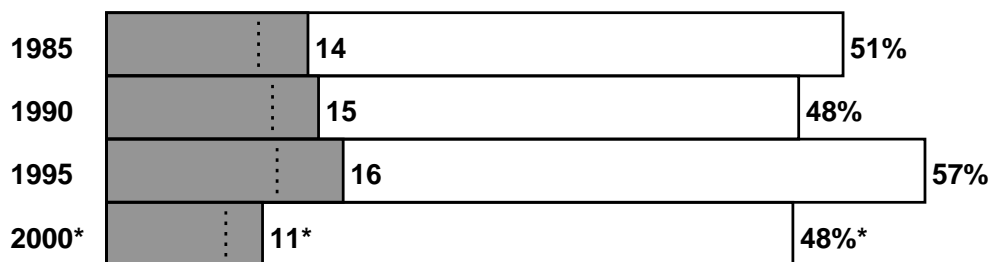
Population risk of dying at ages 0-34



Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)

\*eg, at year 2000 male death rates, out of 100 men aged 35, 48 would die before age 70 (with 11 of these deaths attributed to smoking)

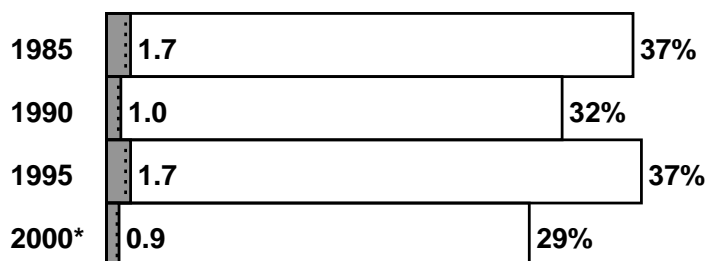
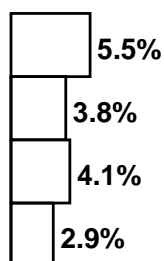
MALE



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

Note: If the substantial decrease during the 1990s in the mortality attributed to cancer in this country is partly artefactual, then the corresponding decrease in the mortality attributed to smoking (pages 328-335) will not be reliable.

FEMALE



<b>MOLDOVA, Republic of: 1980-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/3.9	3.2/11 <b>(29%)</b>	0.7/8.1 <b>( 9%)</b>	3.9/23	-/2.2	0.4/9.0 <b>( 5%)</b>	0.1/12	0.5/23
1990	-/3.0	3.5/11 <b>(31%)</b>	0.7/7.3 <b>(10%)</b>	4.2/21	-/1.5	0.3/8.4 <b>( 3%)</b>	0.3/11	0.5/21
1995	-/2.8	4.3/15 <b>(29%)</b>	0.8/9.4 <b>( 9%)</b>	5.1/27	-/1.4	0.4/10 <b>( 4%)</b>	0.0/14	0.5/26
2000	-/1.8	2.6/11 <b>(23%)</b>	0.5/8.2 <b>( 7%)</b>	3.1/21	-/0.8	0.2/7.4 <b>( 3%)</b>	0.0/12	0.2/20

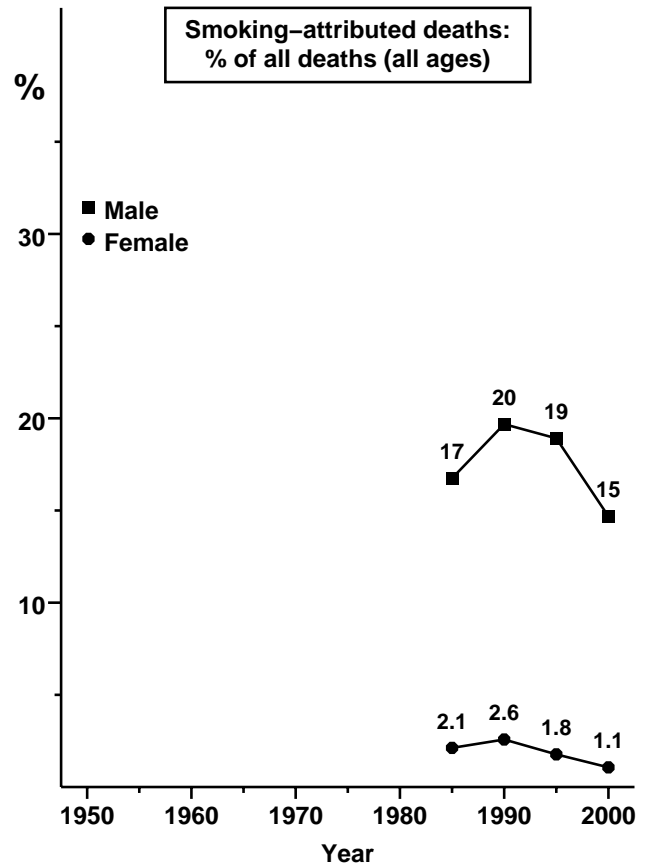
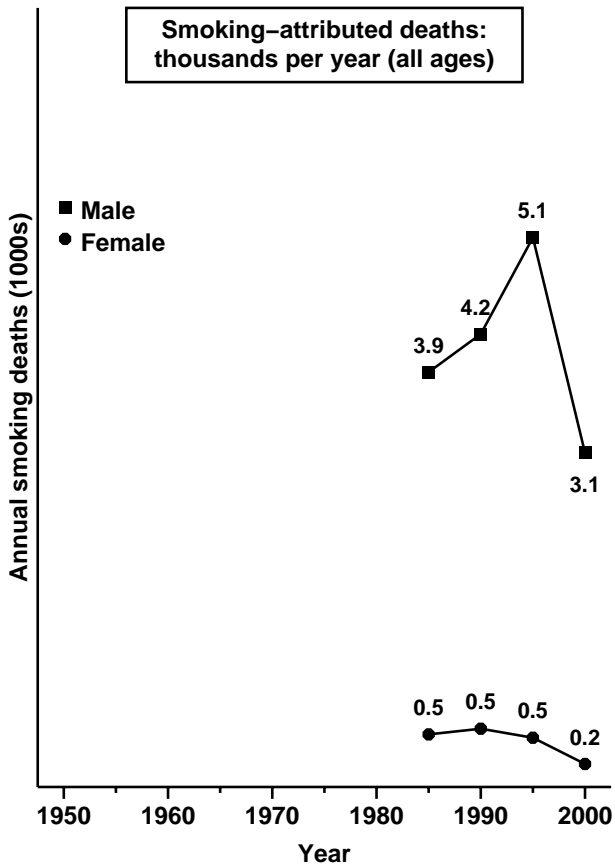
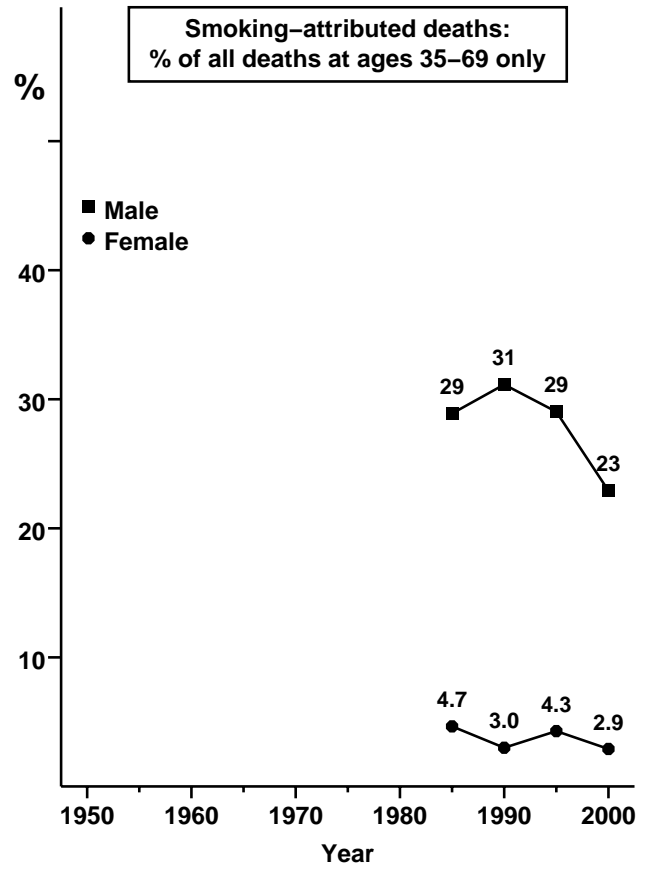
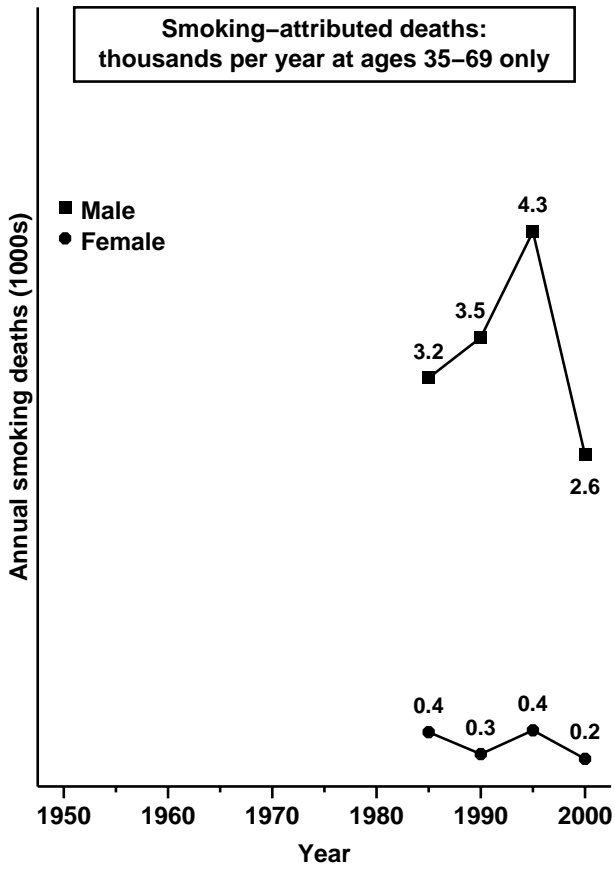
**20-year total\* (thousands), mid-1980 to mid-2000: 99 / 989**

**1980-2000 by age & sex:**

-/68	75/258 <b>(29%)</b>	15/175 <b>( 9%)</b>	90/501	-/36	8.6/192 <b>( 4%)</b>	0.9/261 <b>(0.3%)</b>	9.5/489
------	------------------------	------------------------	--------	------	-------------------------	--------------------------	---------

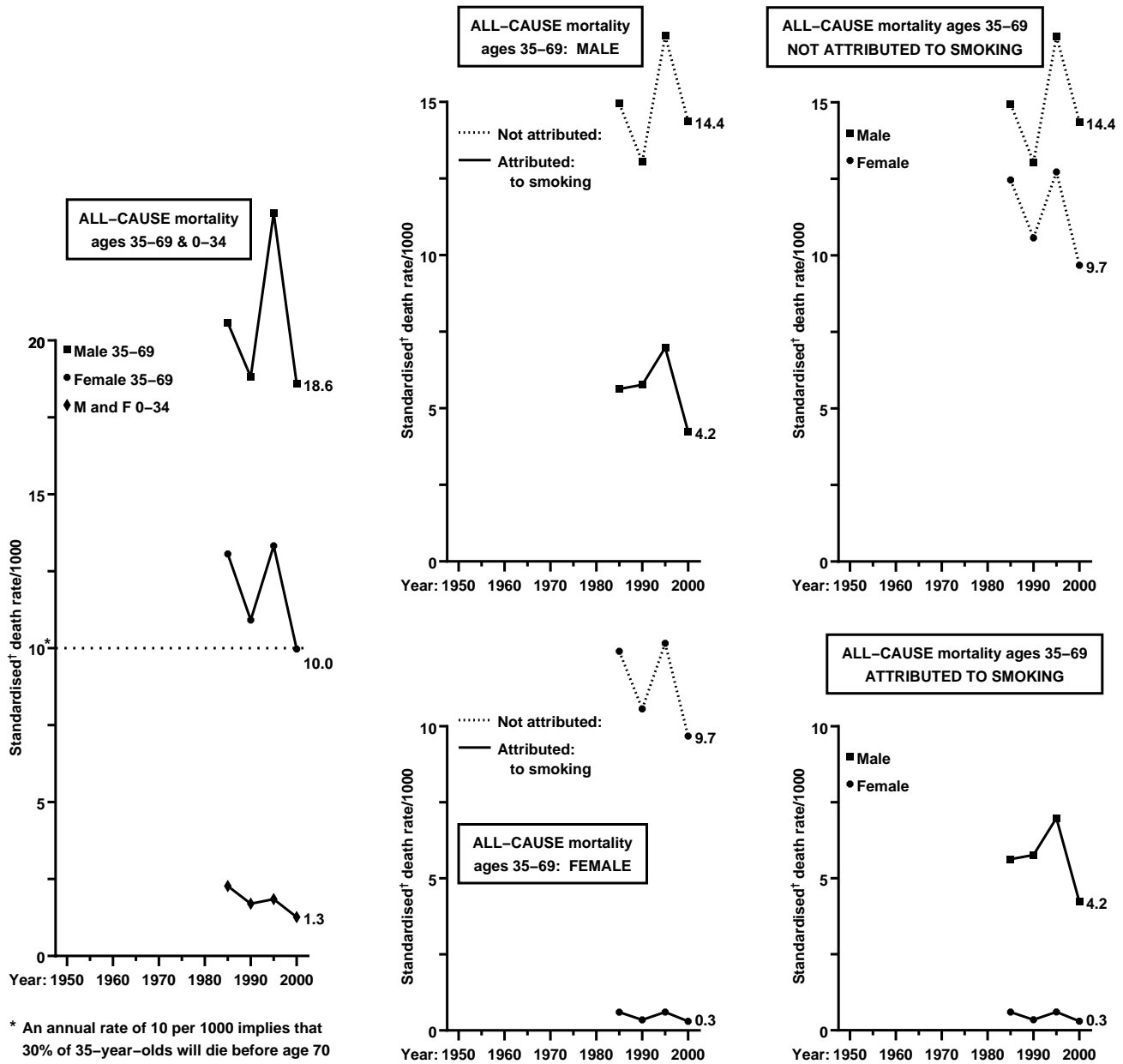
\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: Republic of MOLDOVA



**MOLDOVA, Republic of: 1985-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



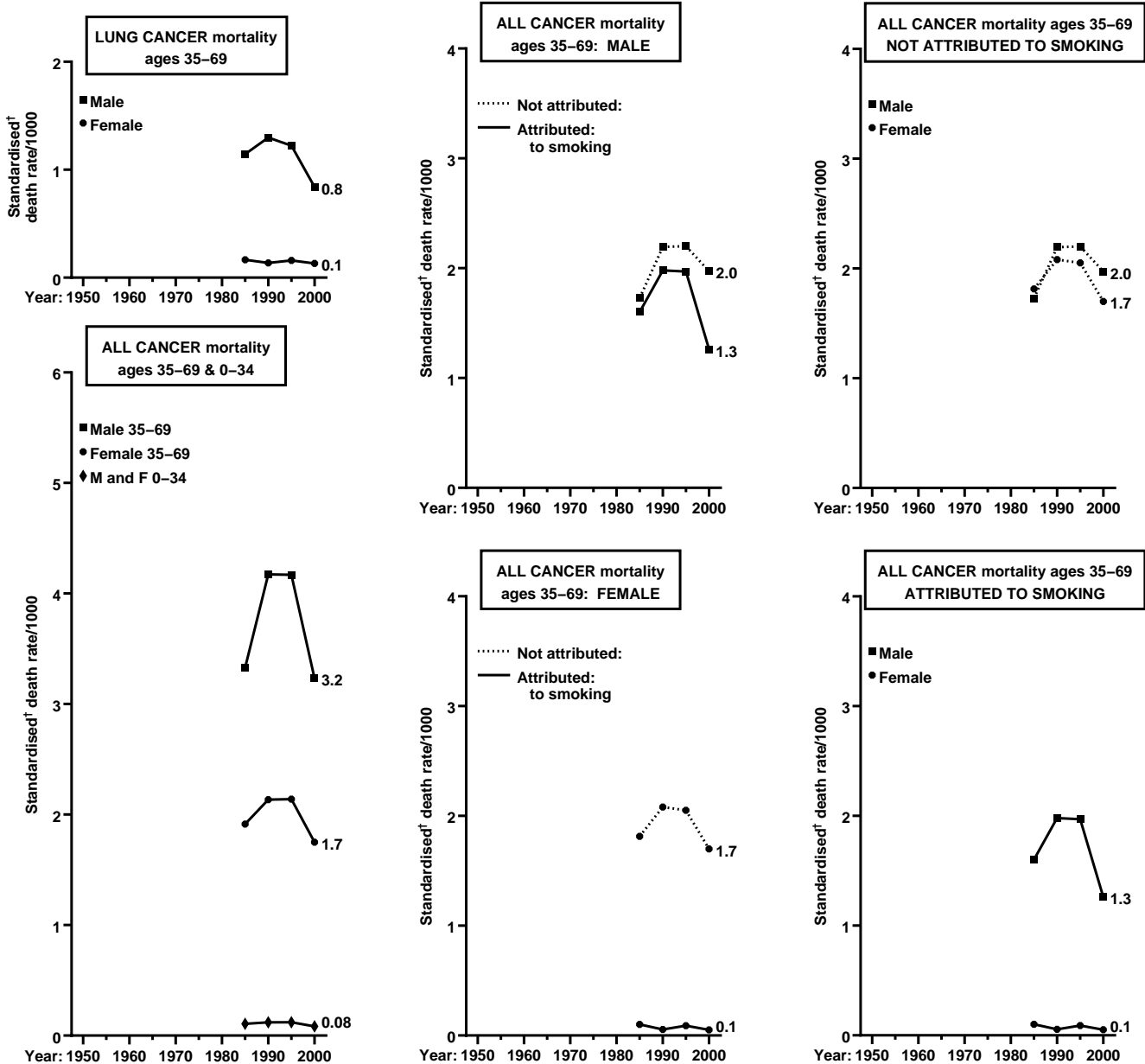
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	2.92	5.63	14.9	8.09	80.0	-	1.62	0.60	12.5	0.53	62.9	-	1.11	5.76	13.0
1990	-	2.28	5.76	13.0	9.00	67.4	-	1.11	0.34	10.6	2.07	53.3	-	1.20	6.98	17.2
1995	-	2.49	6.98	17.2	9.32	83.6	-	1.20	0.60	12.7	0.16	70.0	-	0.85	4.23	14.4
2000	-	1.67	4.23	14.4	5.71	73.4	-	0.85	0.30	9.67	0.00	54.8	-			

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: Republic of MOLDOVA

ALL CANCER mortality rates attributed and not attributed to smoking



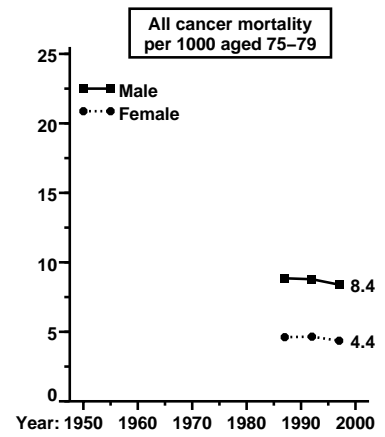
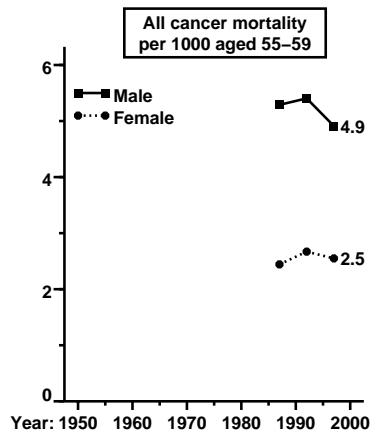
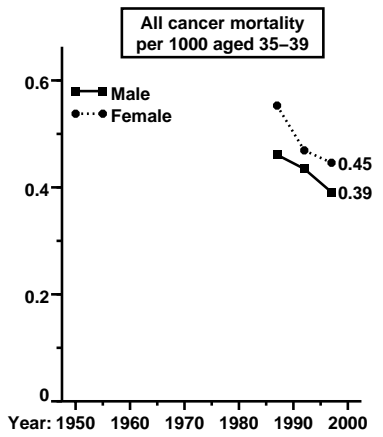
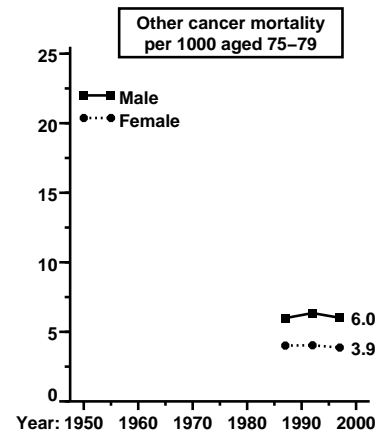
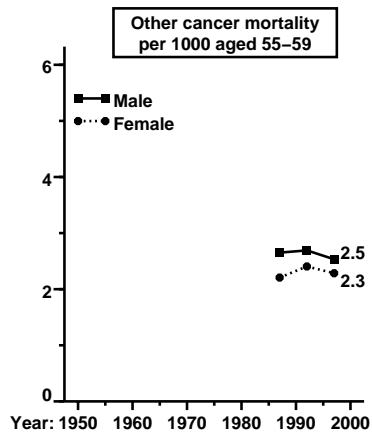
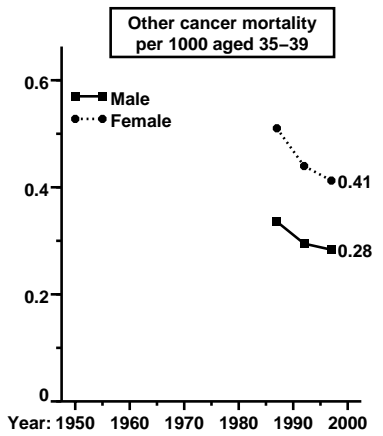
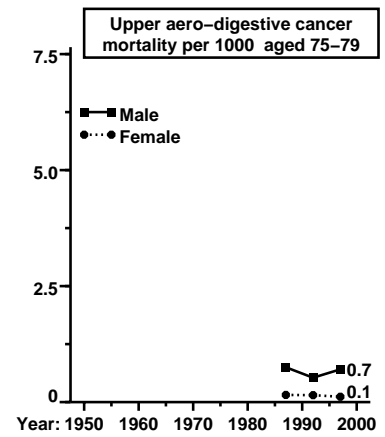
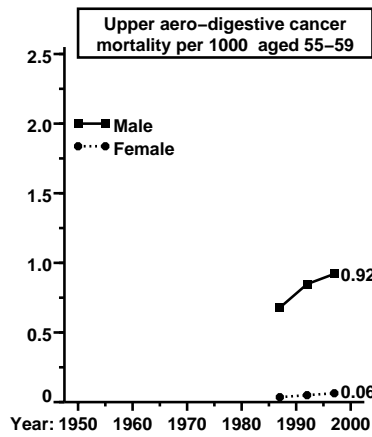
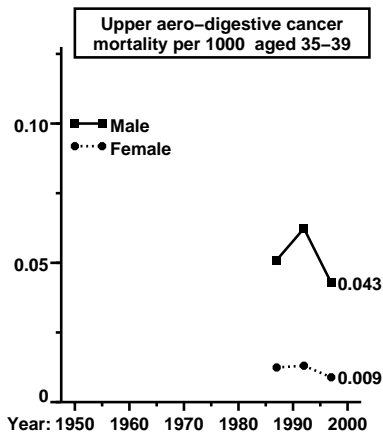
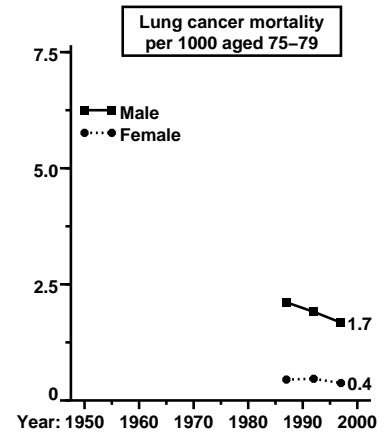
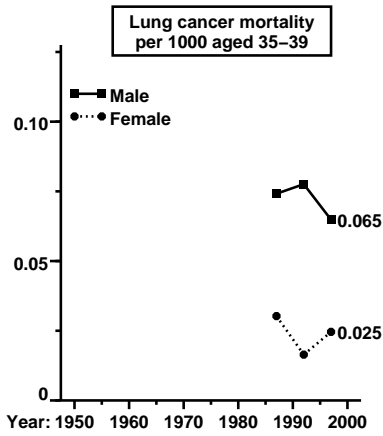
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	...	...	...	...	...	...	...	...	...	...	...	...		
1955	...	...	...	...	...	...	...	...	...	...	...	...		
1960	...	...	...	...	...	...	...	...	...	...	...	...		
1965	...	...	...	...	...	...	...	...	...	...	...	...		
1970	...	...	...	...	...	...	...	...	...	...	...	...		
1975	...	...	...	...	...	...	...	...	...	...	...	...		
1980	...	...	...	...	...	...	...	...	...	...	...	...		
1985	-	0.11	1.60	1.73	1.95	5.90	-	0.10	0.10	1.81	0.05	4.01		
1990	-	0.12	1.98	2.19	2.54	6.92	-	0.12	0.05	2.08	0.32	4.54		
1995	-	0.13	1.97	2.20	2.19	6.91	-	0.11	0.09	2.05	0.01	4.90		
2000	-	0.08	1.26	1.97	1.32	5.44	-	0.09	0.05	1.70	0.00	3.66		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**MOLDOVA, Republic of: 1985-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

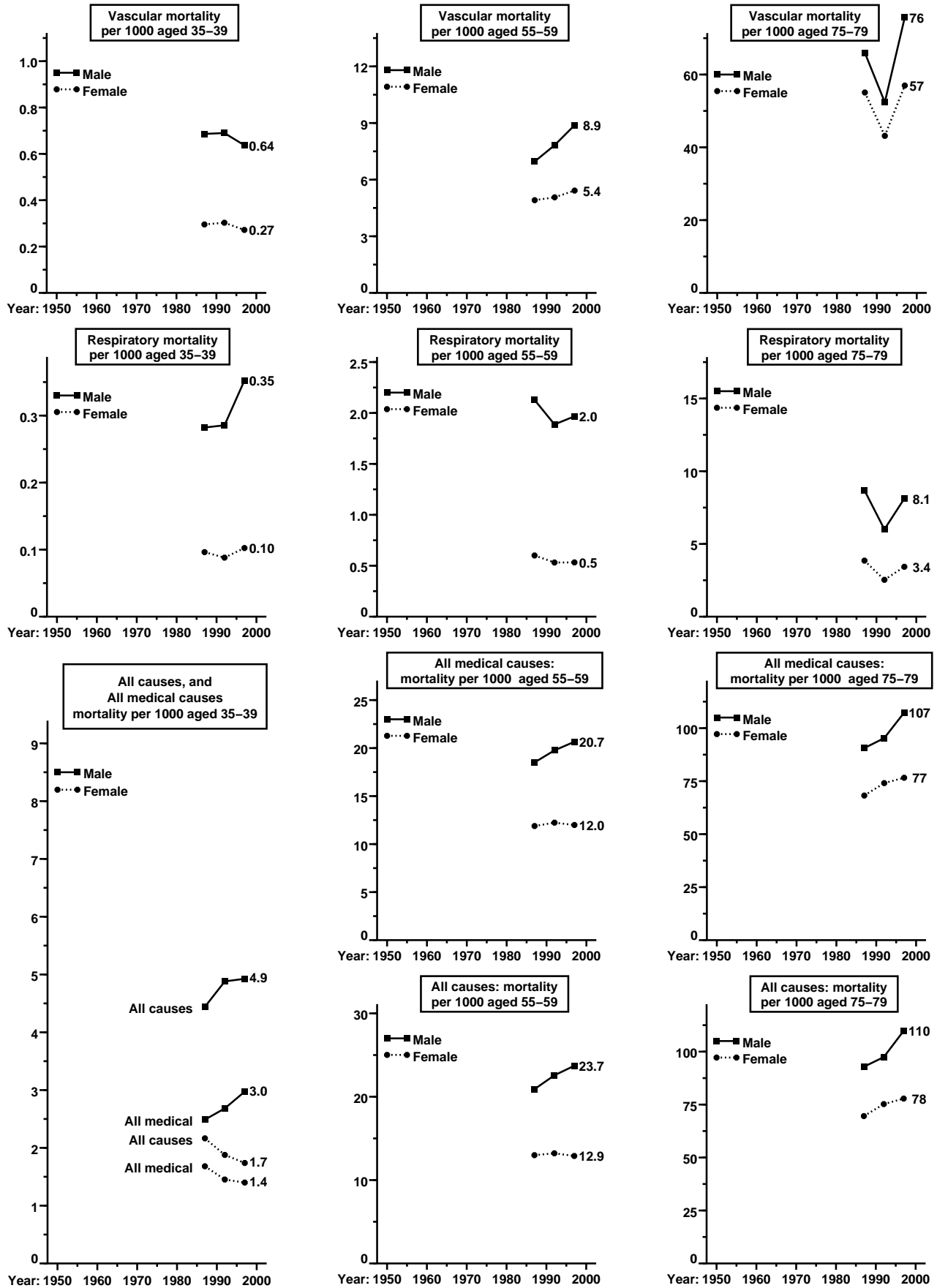


\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 326-327



1985-2000: Republic of MOLDOVA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; year 2000 on pages 326-327

## NETHERLANDS: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	68773	2299	21653	859.9	61.6	782.0	141.4	15.3	16.0	52.4	71.2	62.6	72.5
	F	71754	1416	13399	551.3	39.8	457.9	121.8	10.7	11.4	26.3	29.5	32.4	46.2
Tuberculosis	M	49	1	10	0.6	0.0	0.3	-	-	0.2	-	-	-	-
	F	42	1	11	0.4	0.0	0.4	-	-	-	-	-	0.2	-
HIV	M	106	11	93	1.2	0.2	2.3	-	-	-	-	-	0.3	1.3
	F	26	9	16	0.3	0.2	0.4	-	-	-	-	-	0.5	0.9
Other infective and parasitic	M	633	44	180	7.9	1.2	6.3	4.6	0.4	0.4	0.2	0.6	0.9	1.2
	F	774	43	121	6.1	1.3	4.3	4.9	0.2	0.8	1.3	0.4	0.5	0.6
ALL CANCER	M	20718	240	8396	259.0	6.1	311.9	4.0	3.3	2.4	4.9	7.3	9.4	11.6
	F	17028	226	6666	157.3	5.9	225.5	3.4	2.7	3.6	3.8	5.9	6.8	15.2
Mouth and pharynx cancer	M	364	4	238	4.6	0.1	8.0	-	-	-	-	0.2	0.5	-
	F	169	-	91	1.7	-	3.2	-	-	-	-	-	-	-
Oesophagus cancer	M	871	3	469	11.0	0.1	16.9	-	-	-	-	-	0.3	0.1
	F	354	2	121	3.1	0.1	4.2	-	-	-	-	0.4	-	-
Stomach cancer	M	1031	3	416	12.9	0.1	15.5	-	-	-	-	0.2	-	0.3
	F	688	3	200	5.8	0.1	6.9	-	-	-	-	0.2	0.2	0.2
Colorectal cancer	M	2140	7	874	26.8	0.2	32.8	-	-	-	-	-	0.5	0.6
	F	2160	9	591	18.1	0.2	20.7	-	-	-	-	0.2	0.2	1.1
Liver cancer	M	216	4	97	2.7	0.1	3.4	-	-	0.4	-	-	-	0.3
	F	129	3	54	1.2	0.1	1.9	-	-	-	-	-	0.2	0.3
Pancreas cancer	M	846	-	412	10.6	-	15.4	-	-	-	-	-	-	-
	F	921	4	270	8.0	0.1	9.7	-	-	-	-	0.2	-	0.5
Larynx cancer	M	202	-	102	2.5	-	3.6	-	-	-	-	-	-	-
	F	50	-	25	0.5	-	0.9	-	-	-	-	-	-	-
Lung cancer	M	6297	7	2675	78.7	0.1	102.6	-	-	-	-	-	-	1.0
	F	2262	4	1307	23.9	0.1	44.4	-	-	-	-	-	0.2	0.5
Malignant melanoma	M	279	20	179	3.4	0.5	5.8	-	-	-	0.2	0.4	1.7	1.0
	F	191	10	97	1.9	0.3	3.1	-	-	-	0.2	0.2	0.7	0.6
Female breast cancer	F	3425	33	1680	33.4	0.8	54.1	-	-	-	-	0.7	0.7	4.0
Cervix cancer	F	258	13	138	2.6	0.3	4.2	-	-	-	-	-	0.7	1.4
Other uterine cancer	F	400	1	121	3.4	0.0	4.3	-	-	-	-	-	-	0.2
Ovarian cancer	F	913	10	406	8.8	0.3	14.0	-	0.2	0.2	0.2	-	0.4	0.8
Prostate cancer	M	2367	-	397	29.5	-	16.6	-	-	-	-	-	-	-
Bladder cancer	M	798	-	214	9.9	-	7.9	-	-	-	-	-	-	-
	F	314	1	71	2.5	0.0	2.5	-	-	-	-	-	-	0.2
Other and ill-defined cancer sites	M	3710	120	1687	46.4	3.1	60.6	2.8	2.0	1.8	3.2	3.4	3.8	5.0
	F	3399	80	1090	30.0	2.2	37.4	3.0	1.8	2.5	2.5	1.1	1.3	3.4
Hodgkin's disease	M	48	10	18	0.6	0.3	0.6	-	-	-	-	1.0	0.3	0.4
	F	38	7	12	0.4	0.2	0.4	-	-	-	-	0.7	0.5	0.2
Myeloma and non-Hodgkin lymphomas	M	966	20	419	12.0	0.5	15.1	-	0.6	-	0.4	0.8	0.7	1.0
	F	842	16	250	7.4	0.4	8.9	0.2	-	0.2	0.4	0.9	0.5	0.8
Leukaemia	M	583	42	199	7.3	1.1	7.1	1.2	0.8	0.2	1.1	1.3	1.4	1.8
	F	515	30	142	4.5	0.8	4.8	0.2	0.6	0.6	0.4	1.3	1.3	1.2
Diabetes	M	1318	7	476	16.5	0.2	17.0	0.2	-	-	-	0.2	0.5	0.3
	F	2027	8	289	14.7	0.2	10.5	-	-	-	0.2	0.2	-	0.9
ALL VASCULAR DISEASE	M	23638	133	6806	294.5	3.4	251.3	2.8	0.4	1.0	4.5	2.5	5.9	6.6
	F	25553	103	2896	179.8	2.6	103.1	1.5	0.6	0.8	0.9	2.8	5.4	6.5
Rheumatic heart disease and fever	M	8	-	2	0.1	-	0.1	-	-	-	-	-	-	-
	F	7	-	2	0.1	-	0.1	-	-	-	-	-	-	-
Hypertensive disease	M	289	-	101	3.6	-	3.7	-	-	-	-	-	-	-
	F	508	1	65	3.7	0.0	2.4	-	-	-	-	-	-	0.2
Ischaemic heart disease	M	9921	29	3493	123.5	0.7	127.5	-	-	-	0.2	0.4	1.6	2.5
	F	7522	17	1051	55.4	0.4	38.1	-	-	-	-	0.2	0.9	1.7
Pulmonary embolism and other venous	M	267	7	70	3.3	0.2	2.5	-	-	-	0.2	-	0.3	0.6
	F	429	17	95	3.4	0.5	3.0	-	-	-	0.2	1.1	1.1	0.8
Cerebrovascular disease	M	4702	21	966	58.5	0.6	36.3	0.4	0.2	0.2	0.9	0.6	0.9	0.7
	F	7482	32	753	51.6	0.8	25.9	-	0.6	0.8	0.2	0.4	2.3	1.4
Other vascular disease	M	8451	76	2174	105.5	2.0	81.2	2.4	0.2	0.8	3.2	1.5	3.1	2.8
	F	9605	36	930	65.6	0.9	33.5	1.5	-	-	0.4	1.1	1.1	2.5
Chronic obstructive pulmonary disease	M	4208	12	603	52.1	0.3	24.4	0.8	0.4	0.4	-	-	0.2	0.4
	F	2550	7	449	19.7	0.2	16.6	0.2	-	-	0.7	-	0.2	0.3
Other respiratory disease	M	3500	31	444	43.8	0.9	17.3	2.0	0.8	0.6	1.1	0.2	0.9	0.4
	F	4419	25	275	28.6	0.7	9.9	1.1	0.4	0.2	0.9	0.9	0.4	1.1
Peptic ulcer	M	165	-	34	2.1	-	1.3	-	-	-	-	-	-	-
	F	227	1	23	1.6	0.0	0.8	-	0.2	-	-	-	-	-
Liver cirrhosis	M	507	3	387	6.3	0.1	12.3	-	-	-	-	-	-	0.4
	F	303	-	192	3.2	-	6.0	-	-	-	-	-	-	-
Renal disease	M	594	5	84	7.4	0.1	3.1	0.2	-	-	-	0.6	-	0.1
	F	745	5	82	5.2	0.1	3.0	0.4	-	-	-	0.2	0.2	0.2
Pregnancy, birth	F	18	13	5	0.2	0.3	0.1	-	-	-	0.2	0.2	0.7	1.1
Congenital and perinatal causes	M	601	531	56	9.3	15.2	1.7	99.5	1.2	1.0	0.6	1.5	0.7	1.6
	F	531	438	76	8.4	13.2	2.2	87.0	0.6	0.8	1.3	1.5	0.2	0.8
Ill-defined causes	M	3564	190	1333	44.8	5.0	46.2	8.4	1.2	0.6	3.4	8.2	5.6	7.6
	F	4180	109	630	30.5	3.1	20.8	7.8	0.8	0.6	2.5	3.5	2.7	3.6
Other medical causes	M	6149	219	1431	76.9	5.9	49.5	10.7	3.1	4.0	4.5	5.9	5.9	6.9
	F	11185	152	1034	76.0	4.2	35.3	9.3	2.7	1.7	2.5	3.7	4.1	5.6
ALL NON-MEDICAL CAUSES	M	3023	872	1320	37.5	23.1	37.1	8.0	4.5	5.3	33.1	44.2	32.3	33.9
	F	2146	276	634	19.4	7.7	19.1	6.3	2.5	2.7	12.1	10.1	10.6	9.6
Road traffic accidents	M	802	392	277	10.2	10.8	7.9	1.2	2.2	3.4	21.2	24.5	13.0	9.8
	F	288	104	109	3.4	3.0	3.3	1.1	1.4	1.7	7.1	4.4	3.6	1.9
Fire	M	37	11	13	0.5	0.3	0.4	0.4	0.6	-	-	0.4	0.2	0.4
	F	29	6	8	0.3	0.2	0.2	0.8	0.2	-	0.2	-	-	-
Suicide	M	999	257	608	12.1	6.5	16.7	-	-	1.0	7.5	11.5	10.9	14.5
	F	501	85	336	5.8	2.1	9.6	-	-	-	1.8	2.2	4.7	6.3
Homicide	M	120	49	67	1.4	1.3	1.6	0.8	-	-	1.5	2.1	2.3	2.2
	F	60	32	22	0.8	0.9	0.6	-	0.4	0.2	2.0	2.2	1.6	0.2
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				7879.1	3704.1	3594.6		497.3	510.4	494.3	467.7	477.2	575.5	681.7
				8018.5	3544.6	3533.7		473.6	487.0	473.0	448.1	457.6	558.5	646.8

## 2000: NETHERLANDS

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
99.8	179.7	287.2	462.3	806.4	1317.1	2321.6	3945.6	6742.7	14799.4	M	ALL CAUSES	001-999/A00-Y89
78.4	133.4	232.6	314.3	490.7	742.1	1213.8	2037.8	3611.3	11453.5	F		
0.1	0.2	0.5	0.2	0.7	0.3	-	4.1	7.2	9.6	M	Tuberculosis	010-018, 137/
-	-	0.4	0.2	0.2	1.1	0.9	1.0	4.0	4.5	F		A15-A19, B90
2.3	5.1	3.1	2.7	0.7	1.4	1.0	-	0.6	0.6	M	HIV	279.5, 279.6/B20-B24
0.6	0.8	0.5	0.2	0.5	0.3	-	-	-	0.3	F		
1.0	2.2	4.0	3.9	6.1	6.3	20.6	38.8	56.6	136.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.9	0.7	1.8	1.9	4.4	9.5	10.6	20.7	45.0	118.8	F		
19.3	44.4	89.5	172.6	332.4	548.7	976.4	1412.9	2077.6	3138.3	M	ALL CANCER	140-208/C00-C97
30.1	65.3	121.2	174.2	273.2	385.9	528.4	707.9	944.8	1503.9	F		
0.4	2.1	4.6	7.9	11.6	13.0	16.4	18.8	21.1	24.4	M	Mouth and pharynx cancer	140-149/C00-C14
0.2	0.7	0.7	1.9	4.7	6.8	7.7	5.8	6.5	11.8	F		
0.9	1.9	5.2	12.6	22.5	29.8	45.5	56.8	68.8	87.5	M	Oesophagus cancer	150/C15
-	0.7	1.9	3.3	5.8	6.5	11.2	14.5	21.1	36.0	F		
0.7	2.4	5.9	8.7	12.9	26.5	51.4	68.7	98.2	171.7	M	Stomach cancer	151/C16
1.1	3.0	1.8	4.7	7.2	12.7	17.7	28.8	39.2	81.1	F		
0.9	2.2	9.3	18.0	35.4	64.0	99.8	134.5	212.4	351.8	M	Colorectal cancer	153, 154/C18-C21
0.8	3.3	9.0	14.6	24.7	39.4	52.9	85.9	135.0	259.6	F		
0.3	0.8	1.5	2.9	4.1	5.2	8.8	13.9	21.1	27.7	M	Liver cancer	155.0/C22 excl C221
0.5	0.3	0.7	0.5	1.9	4.1	5.6	4.5	9.4	9.0	F		
0.6	2.9	3.4	7.6	17.7	26.7	49.1	53.6	86.5	94.5	M	Pancreas cancer	157/C25
0.8	1.3	2.3	6.4	9.8	19.2	27.8	47.8	71.1	85.3	F		
-	0.3	1.7	3.0	4.1	8.0	8.2	9.8	23.8	21.2	M	Larynx cancer	161/C32
-	-	0.7	0.7	0.9	2.2	1.5	3.2	1.8	2.8	F		
2.6	8.8	21.5	47.3	108.5	173.1	356.6	494.7	680.0	758.2	M	Lung cancer	162/C33, C34
3.1	11.0	27.5	34.0	53.8	78.3	103.1	113.7	108.2	84.7	F		
1.3	3.7	3.4	5.4	7.3	7.2	12.1	13.5	14.4	13.5	M	Malignant melanoma	172/C43
0.8	1.3	1.9	2.6	5.6	4.1	5.6	5.5	8.3	12.4	F		
12.4	22.9	36.1	52.3	75.5	79.7	99.5	120.5	160.1	252.8	F	Female breast cancer	174/C50
1.7	3.5	5.0	4.0	3.5	3.2	8.3	8.1	10.2	15.2	F	Cervix cancer	180/C53
-	0.7	1.9	2.8	4.9	7.0	12.7	18.1	24.7	43.4	F	Other uterine cancer	179, 182/C54, C55
1.5	2.6	5.7	11.0	16.8	28.1	32.2	40.1	50.5	65.9	F	Ovarian cancer	183/C56, C570-C574
-	0.2	0.3	2.5	11.3	31.7	70.0	159.9	271.8	700.3	M	Prostate cancer	185/C61
0.4	0.5	2.6	4.7	9.1	14.1	24.2	51.5	96.0	183.3	M	Bladder cancer	188/C67
0.2	0.3	1.6	0.9	2.6	5.1	7.1	11.6	20.0	42.5	F		
7.8	13.4	20.3	40.0	61.9	109.5	171.4	233.4	333.3	470.1	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
5.4	10.7	19.3	25.1	37.3	65.1	99.2	139.9	193.1	355.9	F	Hodgkin's disease	201/C81
0.3	-	0.3	0.2	1.4	1.4	0.7	2.9	2.8	5.1	M		
0.2	-	0.2	0.5	0.2	0.3	1.5	0.6	2.5	2.8	F		
1.9	3.0	5.9	9.4	16.8	24.0	44.5	62.6	90.4	135.7	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C90, C96
0.6	1.2	2.8	5.1	13.1	15.9	23.3	40.7	55.2	83.9	F	Leukaemia	204-208/C91-C95
1.2	2.2	3.4	2.4	7.9	14.6	18.0	38.4	57.1	93.2	M		
1.1	1.8	1.9	3.8	4.9	8.4	11.5	18.4	27.9	58.8	F		
0.9	4.0	4.8	12.8	21.8	30.3	44.2	77.7	123.1	272.0	M	Diabetes	250/E10-E14
1.2	1.0	3.5	4.2	12.1	18.4	32.8	58.5	116.9	345.4	F		
20.0	42.6	80.5	141.8	249.8	433.7	790.6	1433.0	2544.1	5535.0	M	ALL VASCULAR DISEASE	390-459/I00-I99
15.8	22.9	41.3	51.7	83.9	163.1	342.6	724.1	1393.5	4638.0	F		
-	-	-	-	0.2	-	0.3	0.4	1.7	1.3	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	-	0.5	-	-	0.6	-	0.8	F		
-	0.5	0.5	3.0	4.5	5.5	12.1	14.7	26.6	66.9	M	Hypertensive disease	401-405/I10-I15
-	0.3	0.5	0.9	3.5	3.2	8.3	15.5	30.9	87.0	F		
11.0	23.0	43.4	78.7	132.5	215.9	388.3	644.7	1066.6	1864.3	M	Ischaemic heart disease	410-414/I20-I25
4.0	5.9	15.2	16.4	28.4	65.4	131.4	284.0	475.5	1200.7	F		
0.6	0.8	1.5	0.8	2.0	4.7	6.9	15.9	29.4	63.0	M	Pulmonary embolism and other venous	415.1, 451-453/I26, I80-I82
2.3	2.3	1.2	1.6	2.6	4.1	7.1	11.3	28.7	57.2	F		
2.6	5.6	10.2	17.2	35.6	62.0	121.0	267.8	549.6	1330.5	M	Cerebrovascular disease	430-438/I60-I69
6.0	6.9	12.2	17.6	22.1	37.3	79.4	187.1	398.9	1413.0	F		
5.9	12.8	25.0	42.1	74.9	145.6	262.0	489.4	870.2	2209.0	M	Other vascular disease	Rest of 390-459/rest of I00-I99
3.5	7.4	12.0	15.3	26.8	53.2	116.4	225.5	459.5	1879.2	F		
0.9	1.3	2.4	5.6	18.6	44.4	97.8	277.2	559.1	1226.4	M	Chronic obstructive pulmonary disease	490-496/J40-J47, J67
0.5	1.5	3.4	8.5	15.2	26.5	60.8	112.8	160.1	367.1	F		
1.6	2.2	4.6	5.7	10.7	30.3	65.8	145.1	349.4	1311.9	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
1.7	1.8	4.4	3.8	7.0	16.7	33.7	65.9	181.9	961.1	F		
-	0.2	0.3	0.7	0.9	3.6	3.3	9.0	19.4	47.6	M	Peptic ulcer	531-533/K25-K27
0.2	0.5	0.2	0.9	0.7	-	3.0	5.8	13.1	41.9	F		
2.2	7.0	9.5	12.8	14.7	18.2	21.6	19.6	22.2	18.6	M	Liver cirrhosis	571/K70, K74
1.1	3.3	3.5	9.1	6.8	8.1	10.0	12.6	9.8	12.7	F		
0.6	0.3	0.7	1.5	3.2	5.2	10.5	25.3	65.4	209.0	M	Renal disease	580-590/N00-N19
-	0.5	0.9	1.0	2.6	5.1	11.2	17.8	31.2	145.6	F		
0.6	0.2	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.9	1.3	1.4	1.3	2.5	1.7	2.9	2.9	2.2	1.9	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.5	1.8	1.4	2.4	3.7	2.4	2.4	2.6	1.5	1.4	F	Ill-defined causes	780-799/R00-R99
8.8	16.4	20.0	30.3	53.8	76.9	117.1	173.3	249.0	751.1	M		
5.2	7.4	14.4	16.4	23.5	29.2	49.3	77.5	154.3	781.5	F		
10.2	16.0	25.0	32.8	53.8	79.7	129.2	268.6	564.1	1816.7	M	Other medical causes	Rest of 001-799/rest of A00-R99
6.9	12.7	17.0	22.5	36.8	52.4	98.9	193.9	481.7	2272.5	F		
30.9	36.5	41.0	37.7	36.8	36.4	40.6	58.1	102.6	324.1	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
12.0	13.0	18.8	17.2	20.0	23.5	29.2	36.8	73.7	258.7	F		
7.3	6.4	7.7	7.4	9.1	6.9	10.8	15.9	22.2	34.7	M	Road traffic accidents	E810-E819, E826-E829/part of V01-V99, Y850
2.5	2.3	2.1	3.1	3.5	3.8	5.9	8.4	9.8	6.2	F		
0.1	0.5	0.5	0.3	0.5	0.3	0.3	0.8	0.6	6.4	M	Fire	E890-E899/X00-X09
0.3	0.2	0.2	0.2	-	0.3	0.6	0.6	2.5	1.7	F		
13.8	19.3	20.7	17.5	15.7	16.0	13.7	15.9	19.4	38.6	M	Suicide	E950-E959/X60-X84
7.4	8.1	13.5	8.4	10.7	11.1	8.3	10.0	6.9	8.4	F		
3.1	2.9	2.1	1.7	0.9	0.6	-	-	1.7	0.6	M	Homicide	E960-E969/
0.8	0.5	0.7	0.9	0.7	-	0.6	0.6	1.1	0.3	F		X85-X99, Y00-Y09
683.4	626.6	581.1	594.4	440.7	362.7	305.7	244.6	180.3	155.5	M	POPULATION	
650.8	606.6	564.4	574.0	429.0	370.3	338.6	309.5	275.5	355.2	F	(1000s; UN, 2004 revision)	

<b>NETHERLANDS: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2609	254	11	6	237	12	37	136	13	1187	970
35-69	Sm.	7883	4016	2834	412	770	499	92	2254	-	1022	-
	Total	22018	8333	3047	634	4652	625	321	7729	322	3442	1246
		(36%)	(48%)	(93%)	(65%)	(17%)	(80%)	(29%)	(29%)		(30%)	
70+	Sm.	12813	5346	3620	372	1354	2878	385	3014	-	1190	-
	Total	43609	11848	3862	541	7445	3576	2399	17654	122	7193	817
		(29%)	(45%)	(94%)	(69%)	(18%)	(80%)	(16%)	(17%)		(17%)	
Any age	Sm.	20696	9362	6454	784	2124	3377	477	5268	-	2212	-
	Total	68236	20435	6920	1181	12334	4213	2757	25519	457	11822	3033
		(30%)	(46%)	(93%)	(66%)	(17%)	(80%)	(17%)	(21%)		(19%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2299	240	7	7	226	12	31	133	3	1008	872
35-69	Sm.	6740	3577	2439	479	659	455	107	1677	-	924	-
	Total	21653	8396	2675	809	4912	603	444	6806	387	3697	1320
		(31%)	(43%)	(91%)	(59%)	(13%)	(75%)	(24%)	(25%)		(25%)	
70+	Sm.	12019	5036	3356	408	1272	2812	431	2498	-	1242	-
	Total	44821	12082	3615	621	7846	3593	3025	16699	117	8474	831
		(27%)	(42%)	(93%)	(66%)	(16%)	(78%)	(14%)	(15%)		(15%)	
Any age	Sm.	18759	8613	5795	887	1931	3267	538	4175	-	2166	-
	Total	68773	20718	6297	1437	12984	4208	3500	23638	507	13179	3023
		(27%)	(42%)	(92%)	(62%)	(15%)	(78%)	(15%)	(18%)		(16%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	7645.3	3829.6	3282.5	625.1	584.6	605.3	455.6	385.2	338.0	288.7	237.7	151.1	144.4
2000	7879.1	3704.1	3594.6	683.4	626.6	581.1	594.4	440.7	362.7	305.7	244.6	180.3	155.5
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	68236	2609	22018	775	1134	1794	2243	3281	5203	7588	10376	11069	22164
2000	68773	2299	21653	682	1126	1669	2748	3554	4777	7097	9651	12157	23013
<b>Lung cancer</b>													
1995	6920	11	3047	24	53	169	284	482	852	1183	1401	1156	1305
2000	6297	7	2675	18	55	125	281	478	628	1090	1210	1226	1179
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	929.2*	66.4*	875.2*	124.0	194.0	296.4	492.3	851.8	1539.3	2628.3	4365.2	7325.6	15349.0
2000	859.9*	61.6*	782.0*	99.8	179.7	287.2	462.3	806.4	1317.1	2321.6	3945.6	6742.7	14799.4
<b>All cancer</b>													
1995	279.6*	6.2*	339.4*	20.8	43.1	96.3	186.6	347.9	659.5	1021.5	1535.5	2197.9	3377.4
2000	259.0*	6.1*	311.9*	19.3	44.4	89.5	172.6	332.4	548.7	976.4	1412.9	2077.6	3138.3
<b>Lung cancer</b>													
1995	94.9*	0.2*	127.2*	3.8	9.1	27.9	62.3	125.1	252.1	409.8	589.4	765.1	903.7
2000	78.7*	0.1*	102.6*	2.6	8.8	21.5	47.3	108.5	173.1	356.6	494.7	680.0	758.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	16.2*	0.1*	24.6*	1.6	4.4	11.2	21.3	28.8	39.9	64.8	82.0	117.1	117.0
2000	18.1*	0.2*	28.5*	1.3	4.3	11.5	23.6	38.1	50.7	70.0	85.4	113.7	133.1
<b>Other cancer</b>													
1995	168.5*	5.9*	187.6*	15.4	29.6	57.2	102.9	193.9	367.5	546.9	864.1	1315.7	2356.6
2000	162.2*	5.8*	180.8*	15.4	31.3	56.4	101.8	185.8	324.8	549.9	832.8	1284.0	2246.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	57.1*	0.3*	28.3*	0.5	0.5	1.2	5.9	17.1	41.4	131.3	319.7	604.2	1317.9
2000	52.1*	0.3*	24.4*	0.9	1.3	2.4	5.6	18.6	44.4	97.8	277.2	559.1	1226.4
<b>Other respiratory disease</b>													
1995	37.6*	0.9*	13.4*	1.1	2.7	3.1	5.3	10.9	20.1	50.2	127.9	285.2	1152.4
2000	43.8*	0.9*	17.3*	1.6	2.2	4.6	5.7	10.7	30.3	65.8	145.1	349.4	1311.9
<b>Vascular disease</b>													
1995	347.8*	3.1*	316.4*	22.4	53.4	88.6	159.8	287.4	562.4	1040.9	1748.4	3021.8	6185.6
2000	294.5*	3.4*	251.3*	20.0	42.6	80.5	141.8	249.8	433.7	790.6	1433.0	2544.1	5535.0
<b>Liver cirrhosis</b>													
1995	6.2*	0.3*	11.4*	3.0	3.9	8.4	11.9	16.6	16.6	19.1	24.8	18.5	24.2
2000	6.3*	0.1*	12.3*	2.2	7.0	9.5	12.8	14.7	18.2	21.6	19.6	22.2	18.6
<b>Other medical causes</b>													
1995	161.6*	31.6*	127.6*	39.2	51.0	63.9	90.9	133.7	197.0	317.6	543.5	1088.0	2948.1
2000	166.7*	27.8*	127.7*	24.9	45.6	59.7	86.1	143.4	205.4	328.8	599.8	1087.6	3245.0
<b>All non-medical causes</b>													
1995	39.1*	23.8*	38.8*	37.0	39.3	34.9	32.0	38.2	42.3	47.8	65.2	109.9	343.5
2000	37.5*	23.1*	37.1*	30.9	36.5	41.0	37.7	36.8	36.4	40.6	58.1	102.6	324.1

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

## 1995, 2000: NETHERLANDS

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1523	236	7	1	228	5	32	104	6	804	336
35-69	Sm.	2231	997	780	83	134	240	31	576	-	387	-
	Total	12971	6301	1029	185	5087	378	176	3240	187	2129	560
		(17%)	(16%)	(76%)	(45%)	(3%)	(63%)	(18%)	(18%)		(18%)	
70+	Sm.	2893	650	437	92	121	844	110	817	-	472	-
	Total	52945	9517	695	304	8518	1727	3356	23235	132	13734	1244
		(5%)	(7%)	(63%)	(30%)	(1%)	(49%)	(3%)	(4%)		(3%)	
Any age	Sm.	5124	1647	1217	175	255	1084	141	1393	-	859	-
	Total	67439	16054	1731	490	13833	2110	3564	26579	325	16667	2140
		(8%)	(10%)	(70%)	(36%)	(2%)	(51%)	(4%)	(5%)		(5%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1416	226	4	2	220	7	25	103	0	779	276
35-69	Sm.	2808	1330	1041	120	169	306	58	616	-	498	-
	Total	13399	6666	1307	237	5122	449	275	2896	192	2287	634
		(21%)	(20%)	(80%)	(51%)	(3%)	(68%)	(21%)	(21%)		(22%)	
70+	Sm.	4158	974	674	126	174	1183	179	1070	-	752	-
	Total	56939	10136	951	334	8851	2094	4119	22554	111	16689	1236
		(7%)	(10%)	(71%)	(38%)	(2%)	(56%)	(4%)	(5%)		(5%)	
Any age	Sm.	6966	2304	1715	246	343	1489	237	1686	-	1250	-
	Total	71754	17028	2262	573	14193	2550	4419	25553	303	19755	2146
		(10%)	(14%)	(76%)	(43%)	(2%)	(58%)	(5%)	(7%)		(6%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	7814.7	3667.0	3257.6	604.2	565.3	579.6	436.4	381.2	355.4	335.5	316.6	239.2	334.3
2000	8018.5	3544.6	3533.7	650.8	606.6	564.4	574.0	429.0	370.3	338.6	309.5	275.5	355.2
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	67439	1523	12971	525	765	1216	1397	1863	2833	4372	6502	8973	37470
2000	71754	1416	13399	510	809	1313	1804	2105	2748	4110	6307	9949	40683
<b>Lung cancer</b>													
1995	1731	7	1029	32	59	107	123	166	240	302	244	219	232
2000	2262	4	1307	20	67	155	195	231	290	349	352	298	301
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	555.9*	40.8*	477.3*	86.9	135.3	209.8	320.1	488.7	797.1	1303.1	2053.7	3751.3	11208.5
2000	551.3*	39.8*	457.9*	78.4	133.4	232.6	314.3	490.7	742.1	1213.8	2037.8	3611.3	11453.5
<b>All cancer</b>													
1995	158.2*	6.0*	229.7*	38.4	63.2	112.1	181.7	272.0	390.3	549.9	672.5	926.4	1547.1
2000	157.3*	5.9*	225.5*	30.1	65.3	121.2	174.2	273.2	385.9	528.4	707.9	944.8	1503.9
<b>Lung cancer</b>													
1995	19.6*	0.2*	37.6*	5.3	10.4	18.5	28.2	43.5	67.5	90.0	77.1	91.6	69.4
2000	23.9*	0.1*	44.4*	3.1	11.0	27.5	34.0	53.8	78.3	103.1	113.7	108.2	84.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	4.8*	0.0*	6.8*	0.3	1.8	3.5	7.1	7.1	13.2	14.3	20.5	28.0	51.5
2000	5.4*	0.1*	8.3*	0.2	1.3	3.4	5.9	11.4	15.4	20.4	23.6	29.4	50.7
<b>Other cancer</b>													
1995	133.8*	5.8*	185.3*	32.8	50.9	90.2	146.4	221.4	309.5	445.6	574.9	806.9	1426.3
2000	128.1*	5.7*	172.8*	26.9	52.9	90.4	134.3	207.9	292.2	404.9	570.6	807.3	1368.5
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	17.2*	0.1*	14.8*	0.2	2.1	3.5	4.8	13.6	22.8	56.9	94.4	139.2	327.6
2000	19.7*	0.2*	16.6*	0.5	1.5	3.4	8.5	15.2	26.5	60.8	112.8	160.1	367.1
<b>Other respiratory disease</b>													
1995	24.2*	0.9*	6.8*	1.0	0.5	2.2	2.3	3.7	12.1	25.9	53.7	143.8	850.1
2000	28.6*	0.7*	9.9*	1.7	1.8	4.4	3.8	7.0	16.7	33.7	65.9	181.9	961.1
<b>Vascular disease</b>													
1995	201.2*	2.5*	123.7*	14.2	24.6	39.9	57.1	95.8	213.3	420.9	790.6	1667.2	5008.7
2000	179.8*	2.6*	103.1*	15.8	22.9	41.3	51.7	83.9	163.1	342.6	724.1	1393.5	4638.0
<b>Liver cirrhosis</b>													
1995	3.6*	0.1*	6.4*	2.3	3.5	4.5	7.6	6.6	8.2	11.9	15.2	11.3	17.1
2000	3.2*	-	6.0*	1.1	3.3	3.5	9.1	6.8	8.1	10.0	12.6	9.8	12.7
<b>Other medical causes</b>													
1995	131.4*	22.5*	77.8*	17.4	26.2	35.4	45.8	80.3	129.2	210.4	387.2	796.8	3171.4
2000	143.3*	22.6*	77.8*	17.2	25.6	40.0	49.7	84.6	118.3	209.1	377.7	847.5	3712.0
<b>All non-medical causes</b>													
1995	20.0*	8.7*	18.1*	13.4	15.2	12.2	20.9	16.8	21.4	27.1	40.1	66.5	286.6
2000	19.4*	7.7*	19.1*	12.0	13.0	18.8	17.2	20.0	23.5	29.2	36.8	73.7	258.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## NETHERLANDS: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	- / 2.3	- / 1.4	-
35–69	6.7 / 22	2.8 / 13	23 years
70+	12 / 45	4.2 / 57	8 years
All ages	19 / 69	7.0 / 72	13 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

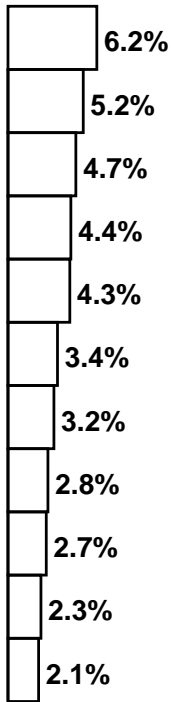
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	-/0.0	2.4/2.7	3.4/3.6	5.8/6.3	-/0.0	1.0/1.3	0.7/1.0	1.7/2.3
All Cancer	-/0.2	3.6/8.4 (43%)	5.0/12 (42%)	8.6/21	-/0.2	1.3/6.7 (20%)	1.0/10 (10%)	2.3/17
Vascular	-/0.1	1.7/6.8	2.5/17	4.2/24	-/0.1	0.6/2.9	1.1/23	1.7/26
Respiratory	-/0.0	0.6/1.0	3.2/6.6	3.8/7.7	-/0.0	0.4/0.7	1.4/6.2	1.7/7.0
All Other	-/1.9	0.9/5.4	1.2/9.4	2.2/17	-/1.1	0.5/3.1	0.8/18	1.3/22
All Causes	-/2.3	6.7/22 (31%)	12/45 (27%)	19/69	-/1.4	2.8/13 (21%)	4.2/57 (7%)	7.0/72

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	8.6 / 21 (42%)	2.3 / 17 (14%)	11 / 38 (29%)
All Causes	19 / 69 (27%)	7.0 / 72 (10%)	26 / 141 (18%)

1950-2000: NETHERLANDS

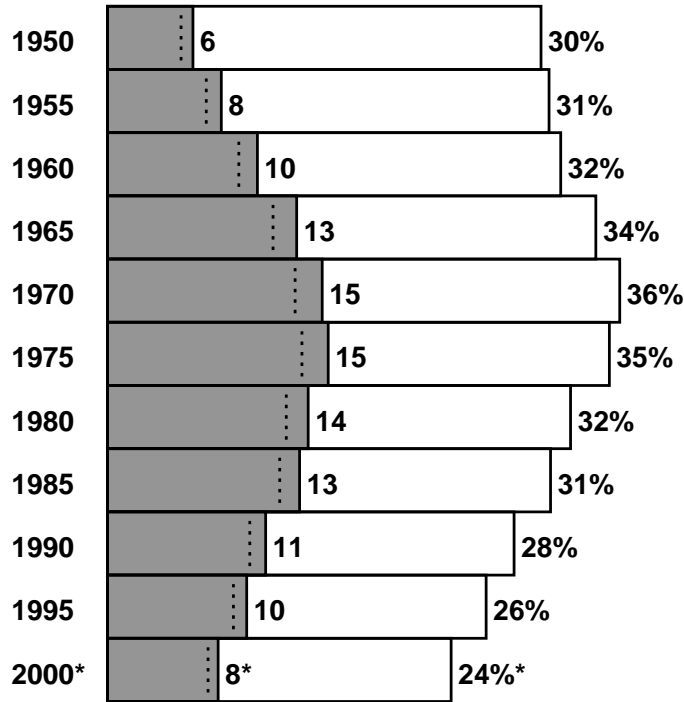
Population risk of dying at ages 0-34



Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)

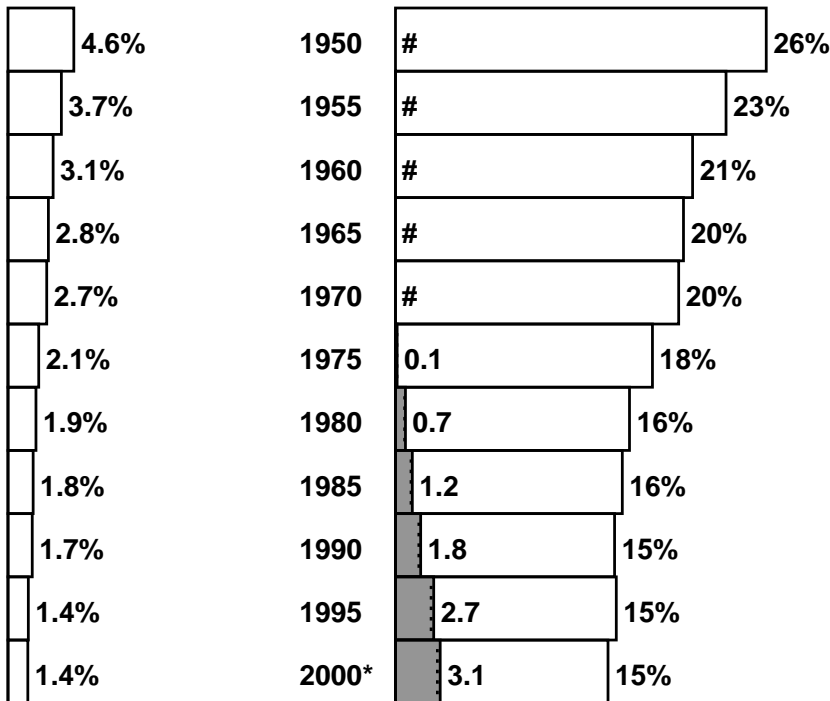
\*eg, at year 2000 male death rates, out of 100 men aged 35, 24 would die before age 70 (with 8 of these deaths attributed to smoking)

MALE



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

FEMALE



# Real risk too low to estimate reliably

## NETHERLANDS: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/6.6	3.0/14 <b>(22%)</b>	0.9/18 <b>(5%)</b>	3.9/39	-/4.7	0.0/12	0.0/20	0.0/37
1955	-/5.4	4.3/16 <b>(27%)</b>	1.5/22 <b>(7%)</b>	5.8/43	-/3.7	0.0/12	0.0/22	0.0/38
1960	-/5.0	6.0/18 <b>(34%)</b>	2.6/25 <b>(10%)</b>	8.6/47	-/3.3	0.0/12	0.0/25	0.0/40
1965	-/4.9	8.2/21 <b>(39%)</b>	4.3/29 <b>(15%)</b>	12/54	-/3.1	0.0/13	0.0/28	0.0/44
1970	-/5.0	9.9/24 <b>(42%)</b>	6.7/32 <b>(21%)</b>	17/61	-/3.0	0.0/13	0.0/32	0.0/49
1975	-/3.9	10/24 <b>(44%)</b>	9.2/36 <b>(26%)</b>	20/64	-/2.3	0.1/13 <b>(0.7%)</b>	0.0/35	0.1/50
1980	-/3.6	9.8/23 <b>(43%)</b>	11/37 <b>(31%)</b>	21/63	-/2.0	0.5/12 <b>(4%)</b>	0.2/37 <b>(0.7%)</b>	0.8/51
1985	-/3.1	9.8/23 <b>(43%)</b>	13/40 <b>(32%)</b>	23/66	-/1.8	0.9/12 <b>(8%)</b>	0.7/43 <b>(2%)</b>	1.6/57
1990	-/3.0	8.6/22 <b>(38%)</b>	13/41 <b>(32%)</b>	22/67	-/1.8	1.4/12 <b>(11%)</b>	1.3/48 <b>(3%)</b>	2.7/62
1995	-/2.6	7.9/22 <b>(36%)</b>	13/44 <b>(29%)</b>	21/68	-/1.5	2.2/13 <b>(17%)</b>	2.9/53 <b>(5%)</b>	5.1/67
2000	-/2.3	6.7/22 <b>(31%)</b>	12/45 <b>(27%)</b>	19/69	-/1.4	2.8/13 <b>(21%)</b>	4.2/57 <b>(7%)</b>	7.0/72

50-year total\* (thousands), mid-1950 to mid-2000: **880 / 5515**

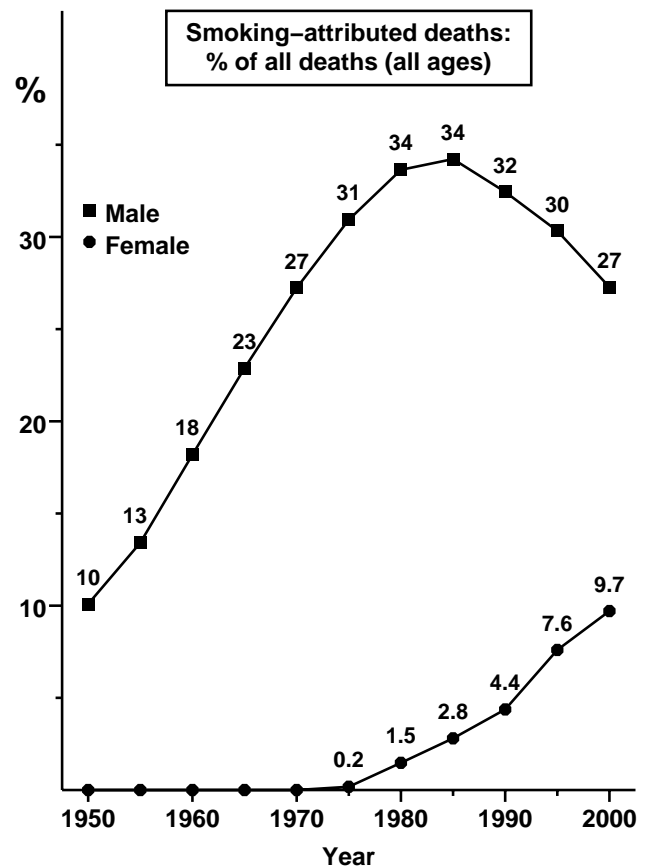
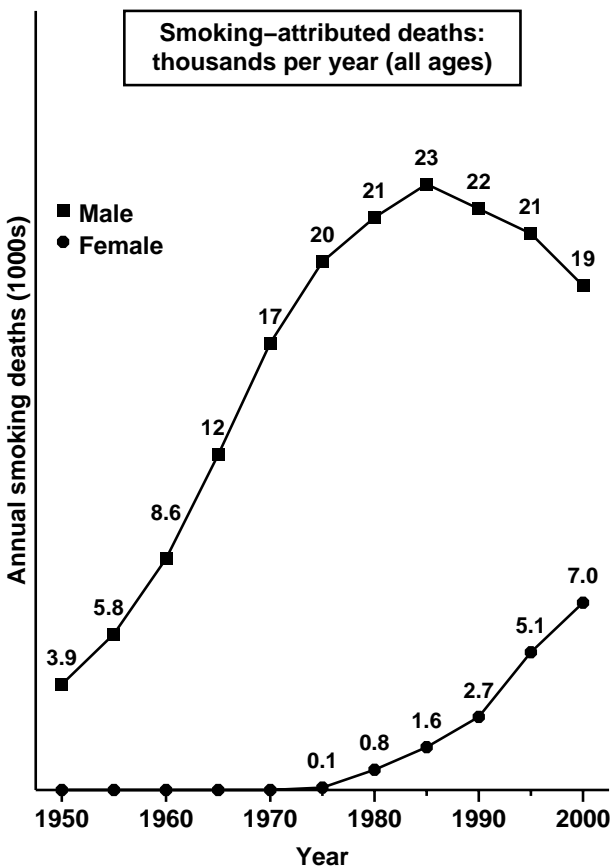
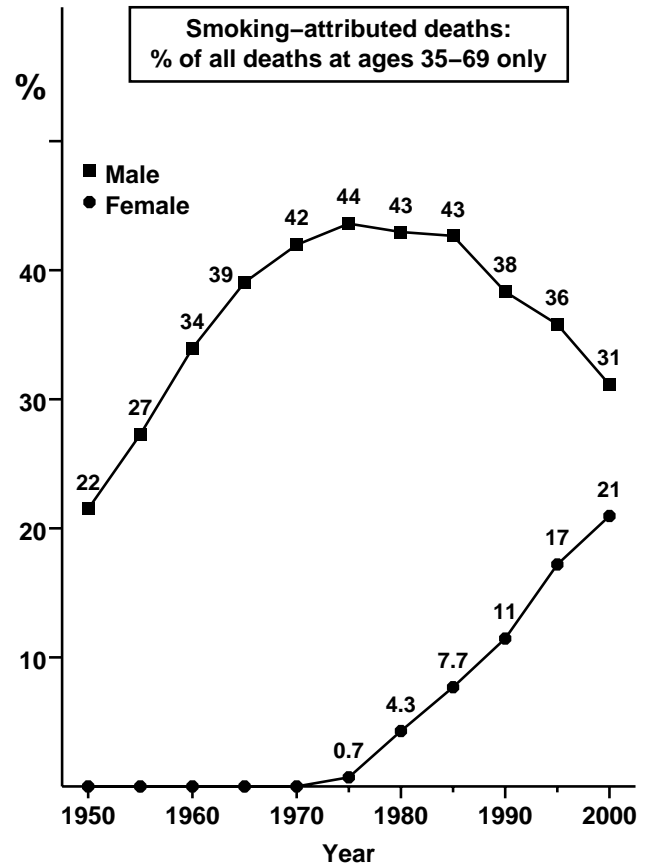
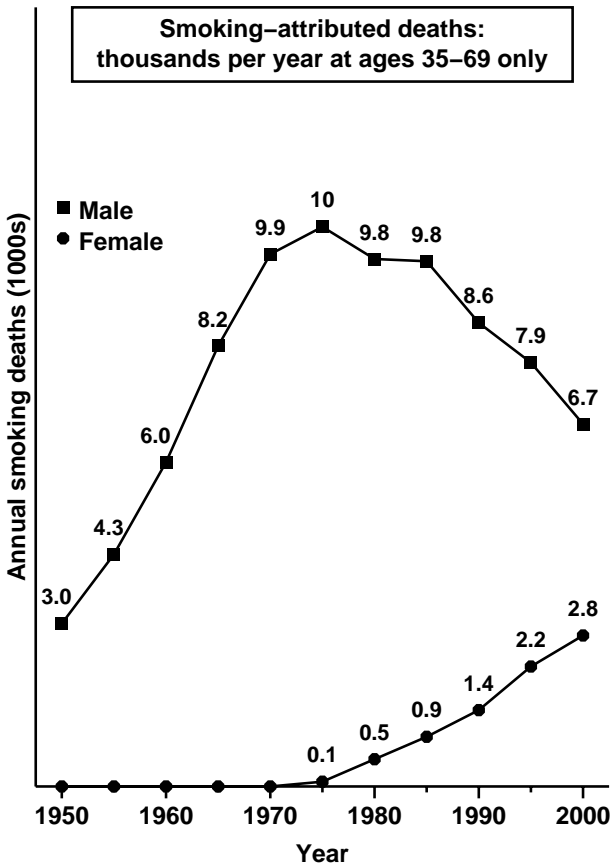
1950-2000 by age & sex:

-/199	406/1056 <b>(38%)</b>	406/1698 <b>(24%)</b>	812/2954	-/123	32/621 <b>(5%)</b>	36/1817 <b>(2%)</b>	68/2562
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

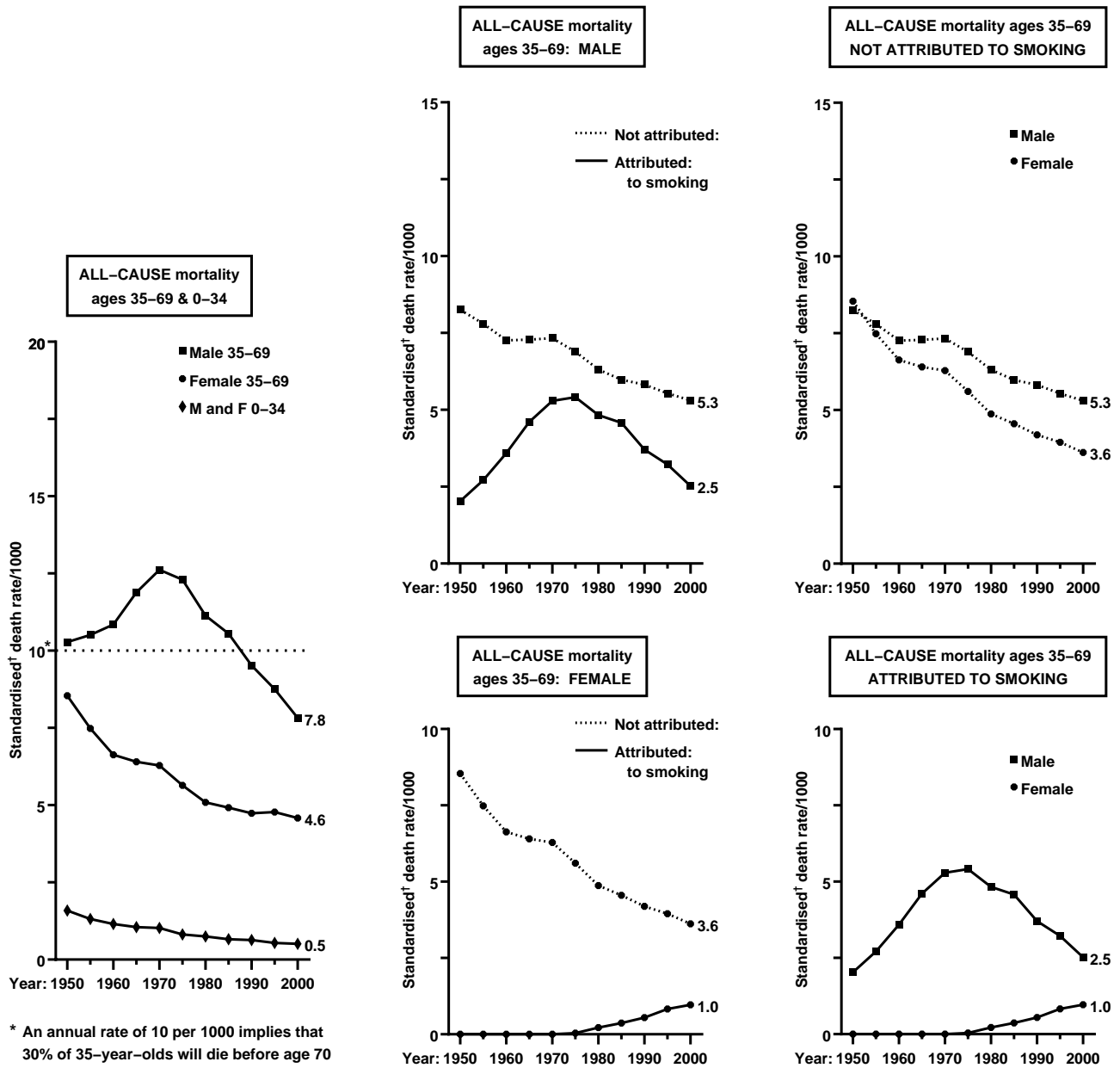


1950-2000: NETHERLANDS



**NETHERLANDS: 1950-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

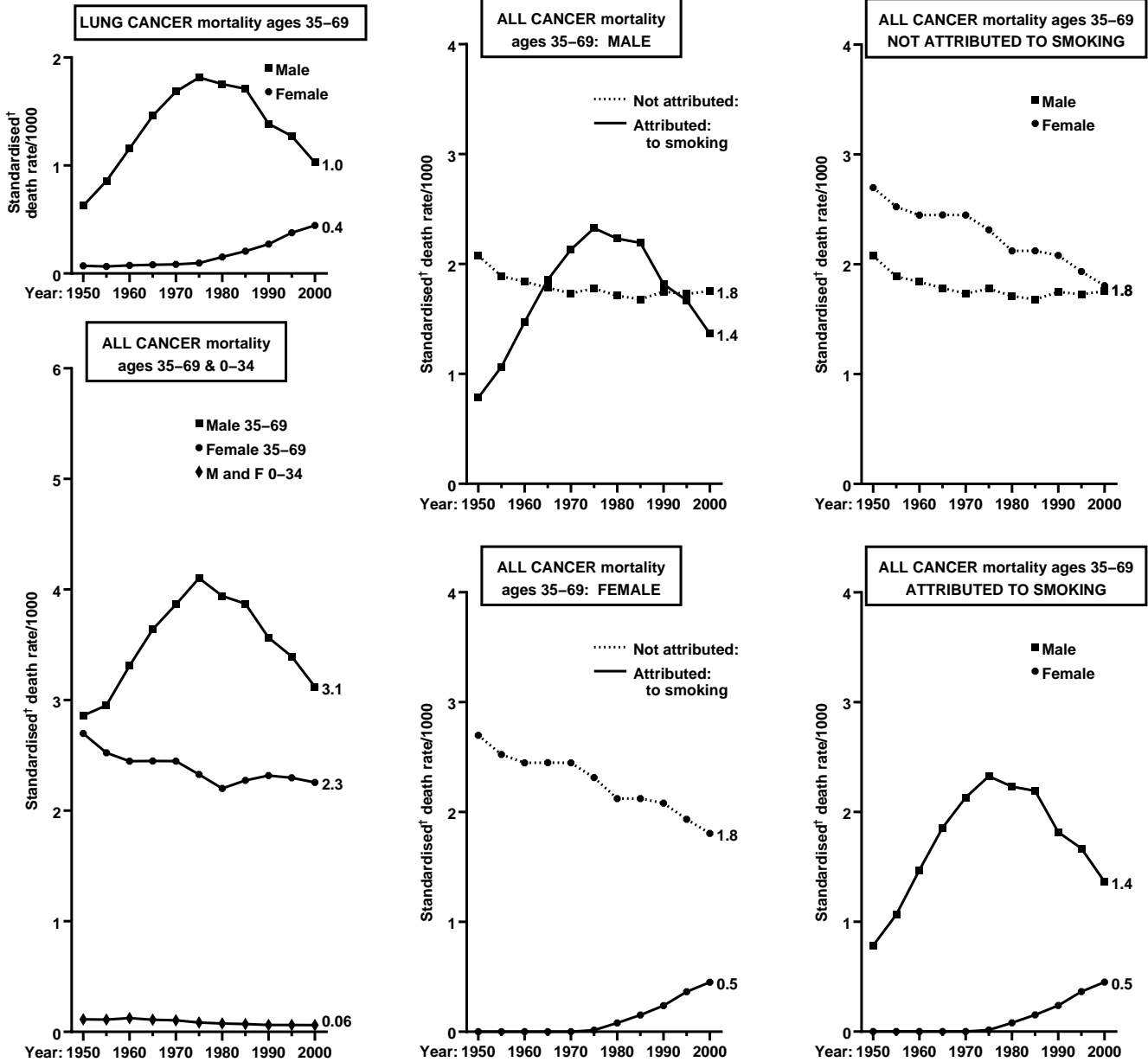
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	-	1.83	2.03	8.25	3.55	59.4	-	1.34	0.00	8.54	0.00	59.9	-	1.08	0.00	7.48	0.00	55.1
1955	-	1.54	2.71	7.80	4.94	58.7	-	0.91	0.00	6.63	0.00	50.9	-	0.82	0.00	6.40	0.00	47.5
1960	-	1.38	3.59	7.26	7.62	52.9	-	0.78	0.00	6.28	0.00	44.5	-	0.62	0.04	5.60	0.00	40.7
1965	-	1.28	4.60	7.28	11.2	52.5	-	0.56	0.22	4.87	0.23	33.8	-	0.51	0.36	4.55	0.70	31.2
1970	-	1.26	5.29	7.33	16.5	50.9	-	0.49	0.54	4.19	1.21	28.6	-	0.41	0.83	3.95	2.14	26.9
1975	-	1.00	5.41	6.89	20.0	46.8	-	0.41	0.83	3.95	2.14	26.9	-	0.41	0.83	3.95	2.14	26.9
1980	-	0.93	4.82	6.31	23.2	42.7	-	0.41	0.83	3.95	2.14	26.9	-	0.41	0.83	3.95	2.14	26.9
1985	-	0.81	4.57	5.98	23.1	41.9	-	0.41	0.83	3.95	2.14	26.9	-	0.41	0.83	3.95	2.14	26.9
1990	-	0.77	3.70	5.81	21.6	39.8	-	0.41	0.83	3.95	2.14	26.9	-	0.41	0.83	3.95	2.14	26.9
1995	-	0.66	3.22	5.53	18.9	39.5	-	0.41	0.83	3.95	2.14	26.9	-	0.41	0.83	3.95	2.14	26.9
2000	-	0.62	2.52	5.30	16.0	37.4	-	0.40	0.96	3.62	3.05	25.2	-	0.40	0.96	3.62	3.05	25.2

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: NETHERLANDS

ALL CANCER mortality rates attributed and not attributed to smoking



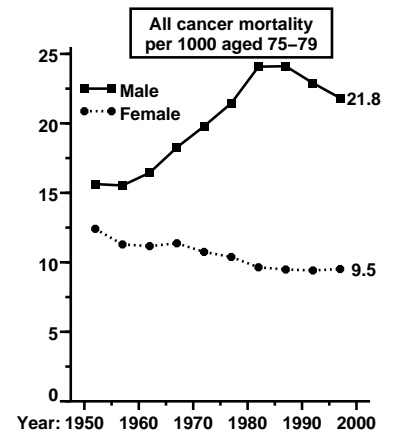
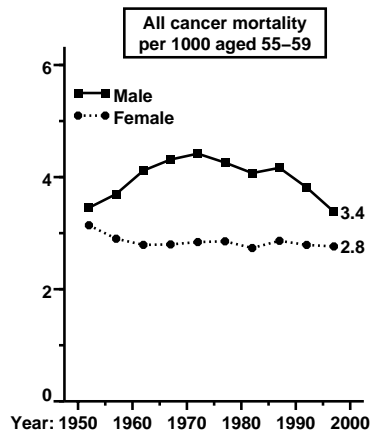
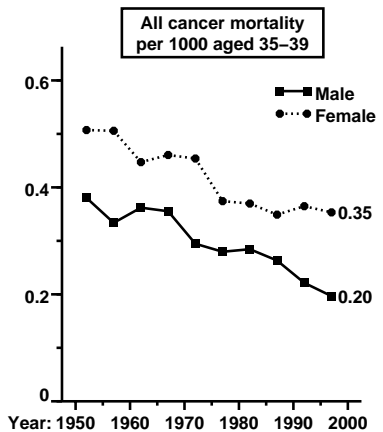
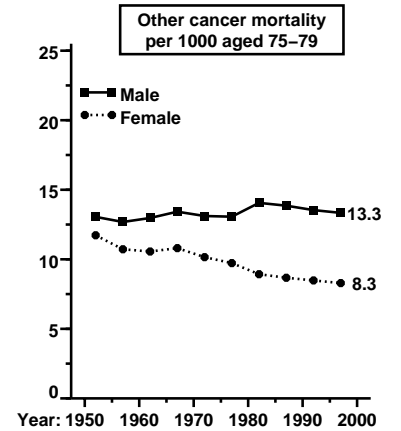
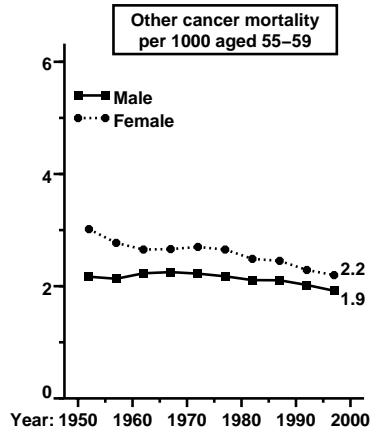
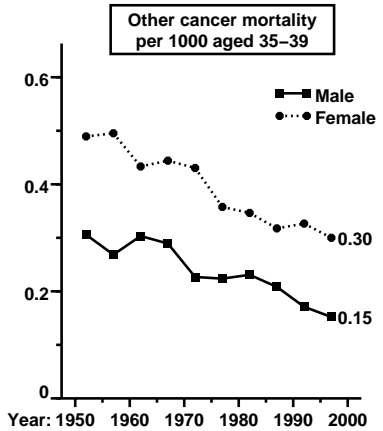
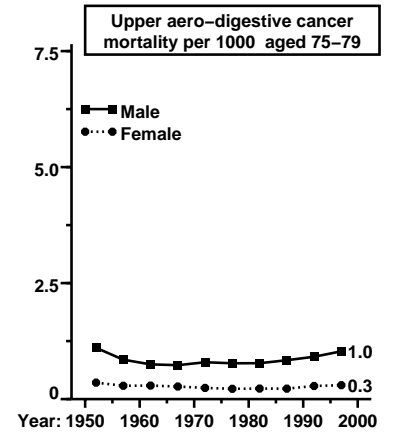
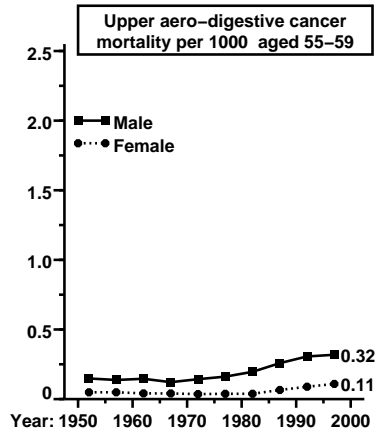
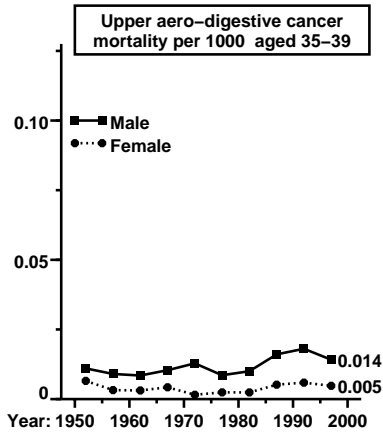
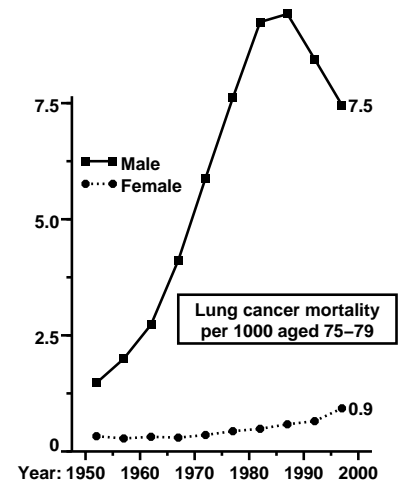
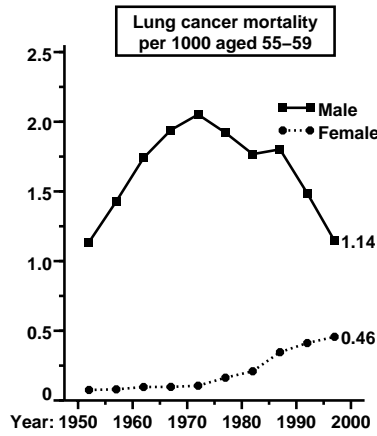
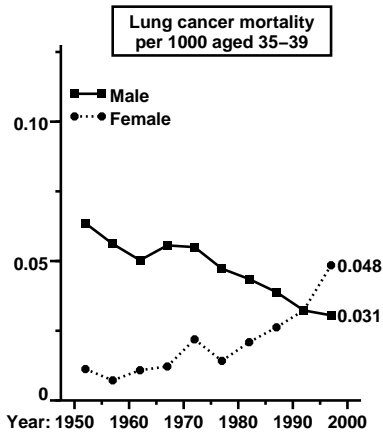
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No				
1950	-	0.12	0.78	2.08	1.46	12.1	-	0.11	0.00	2.70	0.00	11.0				
1955	-	0.12	1.06	1.89	2.03	11.4	-	0.10	0.00	2.52	0.00	10.0				
1960	-	0.14	1.47	1.84	3.19	10.6	-	0.11	0.00	2.45	0.00	9.54				
1965	-	0.11	1.86	1.78	4.78	10.7	-	0.11	0.00	2.45	0.00	9.65				
1970	-	0.11	2.13	1.73	6.91	9.82	-	0.10	0.00	2.45	0.00	9.12				
1975	-	0.09	2.33	1.78	8.69	9.83	-	0.08	0.01	2.31	0.00	9.27				
1980	-	0.08	2.23	1.71	11.1	9.74	-	0.07	0.08	2.12	0.07	8.25				
1985	-	0.08	2.19	1.68	10.9	9.38	-	0.06	0.15	2.12	0.22	8.08				
1990	-	0.06	1.82	1.75	10.2	9.73	-	0.06	0.24	2.08	0.38	7.76				
1995	-	0.06	1.67	1.73	9.01	9.65	-	0.06	0.36	1.93	0.71	7.28				
2000	-	0.06	1.36	1.75	7.81	9.65	-	0.06	0.45	1.80	1.05	7.21				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**NETHERLANDS: 1950-2000**

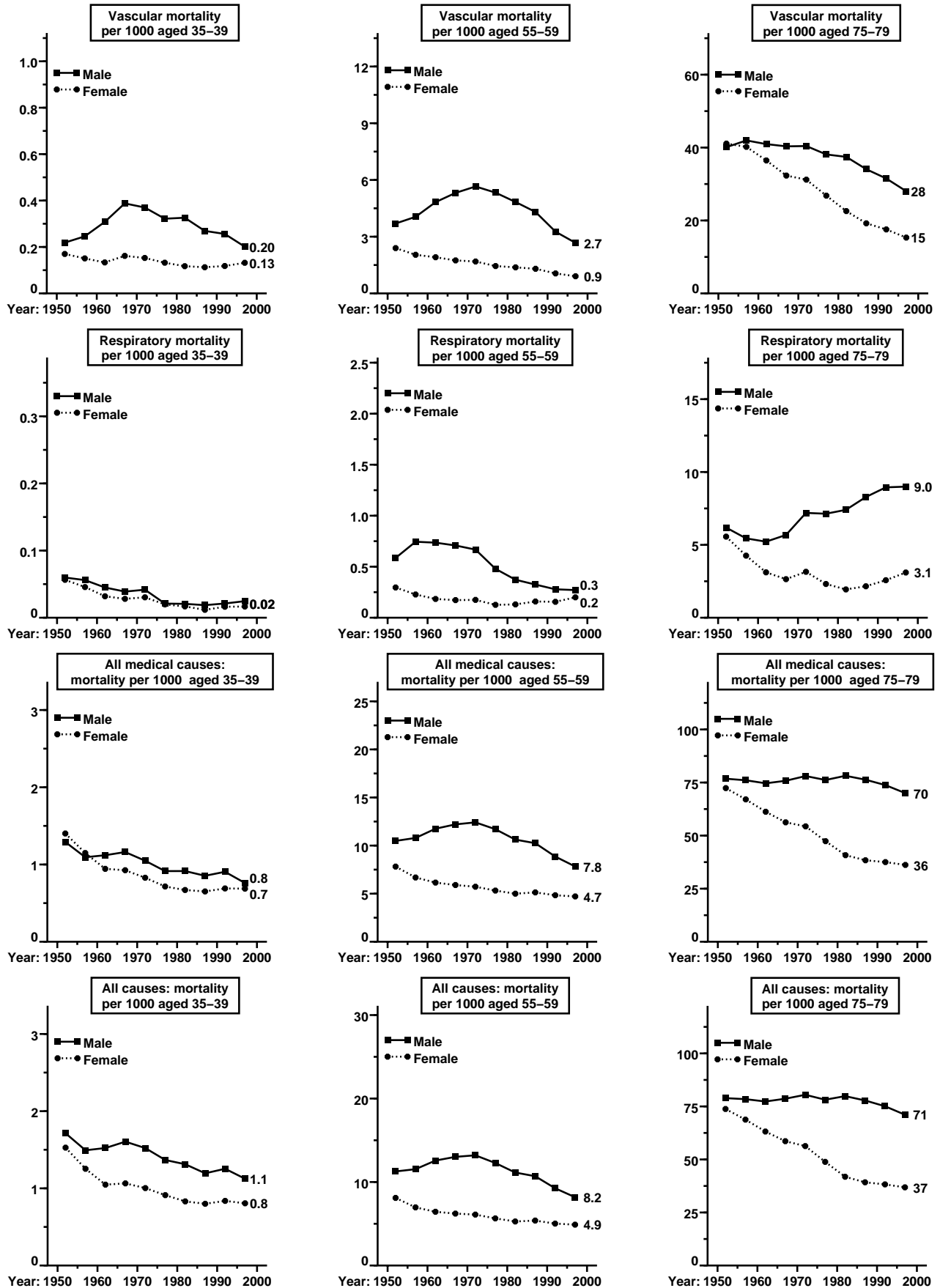
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 338-339

1950-2000: NETHERLANDS

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 338-339

## NEW ZEALAND: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	13813	960	4198	753.0	101.9	717.3	177.2	16.6	28.6	87.8	125.5	139.3	138.3
	F	12905	483	2834	501.2	50.2	467.6	139.5	19.9	11.6	37.6	34.8	54.5	53.4
Tuberculosis	M	13	1	3	0.7	0.1	0.5	-	-	-	-	-	-	0.7
	F	12	-	1	0.4	-	0.1	-	-	-	-	-	-	-
HIV	M	19	7	12	1.0	0.7	1.3	-	-	-	-	-	0.8	4.3
	F	3	-	3	0.2	-	0.4	-	-	-	-	-	-	-
Other infective and parasitic	M	67	10	22	3.7	1.0	3.5	4.2	0.7	-	0.7	0.8	-	0.7
	F	59	10	19	2.7	1.0	3.1	4.4	-	0.7	0.8	-	-	1.3
ALL CANCER	M	4120	66	1574	228.1	6.9	278.6	6.2	4.0	4.6	5.9	7.4	6.5	13.7
	F	3500	69	1425	158.6	7.0	232.1	2.2	5.0	2.7	6.1	5.7	8.8	18.5
Mouth and pharynx cancer	M	98	-	56	5.6	-	10.1	-	-	-	-	-	-	-
	F	35	2	8	1.5	0.2	1.4	-	-	0.7	-	-	-	0.7
Oesophagus cancer	M	127	-	52	7.1	-	9.4	-	-	-	-	-	-	-
	F	60	-	10	2.2	-	1.8	-	-	-	-	-	-	-
Stomach cancer	M	186	1	71	10.3	0.1	12.2	-	-	-	-	-	-	0.7
	F	123	3	39	5.2	0.3	6.1	-	-	-	-	-	0.7	1.3
Colorectal cancer	M	571	3	223	31.8	0.3	41.5	-	-	-	-	-	0.8	1.4
	F	563	2	197	24.8	0.2	34.7	-	-	-	-	-	-	1.3
Liver cancer	M	80	3	47	4.6	0.3	7.9	-	-	-	0.7	-	0.8	0.7
	F	23	1	11	1.1	0.1	1.9	-	-	-	-	0.8	-	-
Pancreas cancer	M	168	-	74	9.4	-	12.8	-	-	-	-	-	-	-
	F	144	-	51	6.2	-	9.2	-	-	-	-	-	-	-
Larynx cancer	M	29	-	16	1.7	-	2.8	-	-	-	-	-	-	-
	F	2	-	2	0.1	-	0.3	-	-	-	-	-	-	-
Lung cancer	M	860	-	363	48.0	-	65.4	-	-	-	-	-	-	-
	F	546	2	239	25.8	0.2	41.8	-	-	-	-	0.8	-	0.7
Malignant melanoma	M	155	7	78	8.8	0.8	12.7	-	-	-	-	1.7	0.8	2.9
	F	98	4	50	4.7	0.4	7.8	-	-	-	0.8	0.8	-	1.3
Female breast cancer	F	622	14	338	29.8	1.4	49.1	-	-	-	-	0.8	2.9	6.6
Cervix cancer	F	66	4	44	3.4	0.4	6.3	-	-	-	-	-	-	2.0
Other uterine cancer	F	91	1	43	4.4	0.1	7.2	-	-	-	-	-	-	0.7
Ovarian cancer	F	183	1	88	8.9	0.1	13.8	-	-	-	-	-	-	0.7
Prostate cancer	M	594	-	107	31.8	-	21.7	-	-	-	-	-	-	-
Bladder cancer	M	103	-	26	5.6	-	5.3	-	-	-	-	-	-	-
	F	56	-	8	2.0	-	1.6	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	732	34	313	40.6	3.5	51.6	4.8	2.7	2.6	2.9	3.3	1.6	6.5
	F	630	28	211	27.2	2.9	34.5	2.2	4.3	2.1	4.6	2.4	2.9	2.0
Hodgkin's disease	M	5	1	2	0.3	0.1	0.3	-	-	-	-	-	0.8	-
	F	3	-	-	0.1	-	-	-	-	-	-	-	-	-
Myeloma and non- Hodgkin lymphomas	M	247	3	86	13.5	0.3	14.4	-	-	-	-	0.8	-	1.4
	F	160	3	52	6.9	0.3	9.1	-	-	-	-	-	1.5	0.7
Leukaemia	M	165	14	60	9.0	1.4	10.5	1.4	1.3	2.0	2.2	1.7	1.6	-
	F	95	4	34	4.2	0.4	5.4	-	0.7	-	0.8	-	0.7	0.7
Diabetes	M	408	3	142	22.6	0.3	24.9	-	-	-	-	-	-	2.4
	F	394	4	103	16.0	0.4	17.8	-	-	-	-	-	-	0.7
ALL VASCULAR DISEASE	M	5349	49	1470	290.3	5.3	256.8	2.1	0.7	-	3.7	2.5	11.4	16.6
	F	5571	29	677	192.5	2.9	116.5	2.9	-	-	1.5	0.8	7.4	7.9
Rheumatic heart disease and fever	M	67	4	23	3.6	0.5	3.2	-	-	-	-	0.8	2.4	-
	F	105	4	38	4.6	0.4	6.2	-	-	-	0.8	-	1.5	0.7
Hypertensive disease	M	84	1	18	4.5	0.1	3.2	-	-	-	-	-	-	0.7
	F	134	-	23	4.9	-	3.9	-	-	-	-	-	-	-
Ischaemic heart disease	M	3269	8	1021	178.6	0.9	178.2	-	-	-	-	0.8	1.6	3.6
	F	2704	3	339	94.4	0.3	60.6	-	-	-	-	-	-	2.0
Pulmonary embolism and other venous	M	29	1	8	1.6	0.1	1.4	-	-	-	-	-	-	0.7
	F	36	3	16	1.6	0.3	2.1	-	-	-	-	0.8	0.7	0.7
Cerebrovascular disease	M	1048	12	187	55.9	1.3	33.7	0.7	-	-	-	0.8	3.3	4.3
	F	1620	9	165	54.5	0.9	27.7	-	-	-	-	-	2.9	3.3
Other vascular disease	M	852	23	213	46.0	2.4	37.0	1.4	0.7	-	3.7	-	4.1	7.2
	F	972	10	96	32.6	1.0	16.0	2.9	-	-	0.8	-	2.2	1.3
Chronic obstructive pulmonary disease	M	867	7	174	46.5	0.7	33.2	0.7	-	0.7	0.7	-	1.6	1.4
	F	693	4	167	28.1	0.4	31.0	-	-	-	-	1.6	0.7	0.7
Other respiratory disease	M	225	10	33	11.9	1.0	6.1	6.2	-	-	-	-	-	0.7
	F	268	7	23	8.6	0.7	3.8	3.7	0.7	-	-	-	-	-
Peptic ulcer	M	50	1	6	2.7	0.1	1.3	-	-	-	-	-	-	0.7
	F	58	-	6	1.9	-	1.3	-	-	-	-	-	-	-
Liver cirrhosis	M	67	-	43	3.9	-	7.3	-	-	-	-	-	-	-
	F	47	-	27	2.4	-	4.2	-	-	-	-	-	-	-
Renal disease	M	140	-	24	7.5	-	4.2	-	-	-	-	-	-	-
	F	129	1	15	4.4	0.1	2.4	-	-	-	-	-	0.7	-
Pregnancy, birth Congenital and perinatal causes	F	5	4	1	0.2	0.4	0.1	-	-	-	-	0.8	1.5	0.7
	M	187	162	19	10.3	16.1	2.9	95.5	1.3	4.6	2.2	2.5	4.1	2.9
Ill-defined causes	F	156	126	21	8.8	13.2	3.1	79.6	1.4	1.4	1.5	4.0	2.2	2.0
	M	64	47	5	3.5	4.7	0.8	31.1	-	-	0.7	-	0.8	-
	F	54	33	-	2.5	3.4	-	23.4	0.7	-	-	-	-	-
Other medical causes	M	1112	66	240	59.4	6.8	39.6	9.0	4.6	3.9	6.6	5.8	3.3	14.4
	F	1467	30	206	51.7	3.1	33.2	8.0	1.4	1.4	3.1	1.6	3.7	2.6
ALL NON- MEDICAL CAUSES	M	1125	531	431	61.1	58.1	56.3	22.1	5.3	15.0	67.3	106.5	108.3	82.1
	F	489	166	140	22.1	17.4	18.5	15.3	10.6	5.5	24.6	20.2	28.0	17.8
Road traffic accidents	M	302	167	113	16.4	18.1	15.0	6.2	2.7	4.6	27.1	32.2	26.1	28.1
	F	148	71	49	7.3	7.5	6.2	2.2	5.0	4.1	13.0	10.5	9.6	7.9
Fire	M	13	5	3	0.7	0.5	0.4	2.1	-	-	-	-	1.6	-
	F	6	2	2	0.3	0.2	0.3	-	-	-	-	0.8	0.7	-
Suicide	M	375	189	157	20.5	21.0	20.0	-	-	2.0	22.7	41.3	47.2	33.9
	F	83	37	42	4.3	3.9	5.2	-	-	0.7	8.4	3.2	9.6	5.3
Homicide	M	33	21	11	1.8	2.3	1.2	2.8	0.7	-	0.7	5.0	4.9	2.2
	F	22	13	7	1.1	1.4	0.8	1.5	2.1	-	-	2.4	1.5	2.0
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		1871.8	968.4	766.3	144.5	150.8	153.8	136.6	121.1	122.8	138.8
			<b>F=female</b>		1946.4	965.3	791.6	136.9	140.9	146.3	130.3	123.6	135.7	151.6

## 2000: NEW ZEALAND

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
134.8	192.1	285.8	419.2	720.2	1131.8	2136.9	3278.7	5521.6	11748.0	M	ALL CAUSES	001-999/A00-Y89
70.4	124.9	196.1	308.5	517.8	787.9	1267.4	1955.3	3204.8	9115.5	F		
0.6	-	-	-	1.1	-	1.6	5.2	7.2	7.9	M	Tuberculosis	010-018, 137/ A15-A19, B90
3.3	2.1	-	2.5	1.1	-	-	1.6	5.5	9.6	F		
0.6	-	-	0.8	-	1.3	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.7	-	3.2	4.2	5.4	1.3	9.6	8.7	19.2	57.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	0.7	-	4.1	3.2	7.7	6.2	9.6	12.9	23.4	F		
19.4	42.1	93.2	162.5	304.8	448.0	880.6	1290.9	1867.8	2524.9	M	ALL CANCER	140-208/C00-C97
30.8	66.5	96.5	174.1	268.1	424.2	564.1	757.2	911.4	1427.8	F		
0.7	2.1	-	5.8	14.1	15.8	31.8	24.4	38.5	31.5	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.7	-	0.8	2.2	1.3	4.6	9.6	12.9	16.5	F		
0.7	1.4	0.8	7.5	6.5	18.4	30.3	47.0	50.5	70.9	M	Oesophagus cancer	150/C15
-	-	-	1.7	1.1	3.9	6.2	8.0	25.8	42.6	F		
0.7	2.1	4.8	6.7	18.4	21.1	31.8	59.2	103.4	97.1	M	Stomach cancer	151/C16
3.1	0.7	1.5	6.6	5.4	11.6	13.9	22.4	40.6	61.9	F		
0.7	2.1	6.4	20.0	39.0	87.0	135.4	181.2	300.5	304.5	M	Colorectal cancer	153, 154/C18-C21
1.9	2.0	10.0	15.8	37.8	79.7	95.8	140.6	151.3	266.9	F		
-	1.4	6.4	5.0	7.6	14.5	20.7	19.2	21.6	26.2	M	Liver cancer	155.0/C22 excl C221
-	-	1.5	-	3.2	3.9	4.6	6.4	3.7	6.9	F		
0.7	3.6	5.6	5.8	15.2	22.4	36.6	50.5	76.9	86.6	M	Pancreas cancer	157/C25
0.6	1.4	1.5	4.1	7.6	15.4	34.0	27.2	36.9	77.0	F		
-	-	1.6	2.5	3.3	2.6	9.6	12.2	4.8	10.5	M	Larynx cancer	161/C32
-	-	-	0.8	-	-	1.5	-	-	-	F		
2.0	8.6	19.1	41.7	61.8	98.8	226.1	318.8	382.2	406.8	M	Lung cancer	162/C33, C34
0.6	4.8	8.5	28.2	49.7	78.4	122.1	134.2	177.1	171.9	F		
2.7	2.9	8.8	7.5	18.4	19.8	28.7	40.1	31.3	89.2	M	Malignant melanoma	172/C43
1.9	2.0	2.3	7.5	13.0	15.4	12.4	11.2	29.5	28.9	F		
13.8	26.5	38.6	53.1	63.8	63.0	85.0	113.4	118.1	185.7	F	Female breast cancer	174/C50
1.3	4.1	6.2	6.6	9.7	5.1	10.8	6.4	9.2	12.4	F	Cervix cancer	180/C53
1.3	1.4	0.8	5.0	8.6	16.7	17.0	25.6	22.1	26.1	F	Other uterine cancer	179, 182/C54, C55
1.3	4.1	6.9	13.3	19.5	27.0	24.7	62.3	36.9	48.1	F	Ovarian cancer	183/C56, C570-C574
-	0.7	-	3.3	20.6	23.7	103.5	188.2	317.3	648.3	M	Prostate cancer	185/C61
-	-	-	0.8	4.3	7.9	23.9	38.3	55.3	84.0	M	Bladder cancer	188/C67
-	-	-	-	1.1	2.6	7.7	8.0	22.1	42.6	F		
6.7	13.6	30.3	35.0	74.8	68.5	132.2	191.6	293.3	401.6	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
3.1	15.6	12.4	21.6	34.6	70.7	83.5	113.4	167.9	315.0	F	Hodgkin's disease	201/C81
-	-	-	0.8	-	-	1.6	-	2.4	2.6	M		
-	-	-	-	-	-	-	-	1.8	2.8	F		
2.0	2.1	8.0	10.0	17.4	27.7	33.4	81.9	113.0	168.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.3	1.4	3.1	2.5	7.6	23.1	24.7	41.5	38.7	79.8	F	Leukaemia	204-208/C91-C95
2.7	1.4	1.6	10.0	3.3	19.8	35.0	38.3	76.9	97.1	M		
0.6	2.0	3.1	6.6	3.2	6.4	15.5	27.2	16.6	42.6	F		
0.7	4.3	7.2	16.7	24.9	54.0	66.9	120.2	161.1	333.3	M	Diabetes	250/E10-E14
1.9	3.4	8.5	7.5	14.1	30.8	58.7	91.1	105.2	238.0	F		
24.0	56.4	102.7	147.5	245.1	426.9	794.6	1217.8	2288.5	5719.2	M	ALL VASCULAR DISEASE	390-459/I00-199
11.3	22.4	42.5	58.9	135.1	169.7	375.6	702.9	1402.2	5041.3	F		
2.0	2.1	1.6	4.2	4.3	5.3	3.2	8.7	16.8	73.5	M	Rheumatic heart disease and fever	390-398/I00-I09
1.3	2.0	3.1	1.7	10.8	7.7	17.0	16.0	27.7	52.3	F		
0.7	0.7	-	1.7	3.3	6.6	9.6	20.9	48.1	86.6	M	Hypertensive disease	401-405/I10-I15
-	0.7	0.8	4.1	5.4	3.9	12.4	19.2	35.1	110.0	F		
12.0	38.6	73.2	104.2	176.8	305.7	536.6	790.9	1423.1	3133.9	M	Ischaemic heart disease	410-414/I20-I25
3.1	6.8	18.5	21.6	68.1	100.3	205.6	377.0	708.5	2396.1	F		
-	-	1.6	0.8	1.1	-	6.4	12.2	9.6	23.6	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
-	2.7	3.1	3.3	2.2	-	3.1	3.2	5.5	16.5	F		
2.7	6.4	11.9	15.8	26.0	55.3	117.8	212.5	483.2	1380.6	M	Cerebrovascular disease	430-438/I60-I69
4.4	6.1	10.0	18.2	31.4	36.0	88.1	174.1	411.4	1532.3	F		
6.7	8.6	14.3	20.8	33.6	54.0	121.0	172.5	307.7	1021.0	M	Other vascular disease	Rest of 390-459/ rest of I00-199
2.5	4.1	6.9	10.0	17.3	21.9	49.5	113.4	214.0	934.0	F		
2.0	5.7	4.8	8.3	22.8	56.7	132.2	254.4	442.3	934.4	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	2.0	5.4	13.3	22.7	57.8	115.9	148.6	256.5	398.9	F		
0.7	2.1	-	3.3	4.3	6.6	25.5	31.4	103.4	317.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.3	2.7	0.8	0.8	2.2	5.1	13.9	14.4	36.9	287.5	F		
-	-	-	-	-	2.6	6.4	12.2	21.6	70.9	M	Peptic ulcer	531-533/K25-K27
-	-	-	-	1.1	-	7.7	1.6	16.6	57.8	F		
1.3	1.4	5.6	2.5	6.5	14.5	19.1	20.9	14.4	15.7	M	Liver cirrhosis	571/K70, K74
0.6	0.7	3.9	2.5	6.5	10.3	4.6	12.8	14.8	5.5	F		
-	1.4	0.8	3.3	2.2	9.2	12.7	20.9	55.3	212.6	M	Renal disease	580-590/N00-N19
0.6	0.7	1.5	2.5	1.1	3.9	6.2	11.2	38.7	116.9	F		
0.6	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
0.7	1.4	2.4	1.7	5.4	4.0	4.8	5.2	4.8	2.6	M	Ill-defined causes	780-799/R00-R99
-	1.4	1.5	3.3	7.6	5.1	3.1	3.2	5.5	5.5	F		
-	0.7	0.8	0.8	-	1.3	1.6	1.7	4.8	23.6	M		
-	-	-	-	-	-	-	1.6	1.8	26.1	F		
15.4	17.1	15.9	16.7	39.0	63.2	109.9	219.5	435.1	1309.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.5	8.8	14.7	25.7	34.6	59.1	81.9	166.1	348.7	1290.2	F		
66.8	56.4	49.4	49.2	57.5	43.5	71.7	69.7	96.2	217.8	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
14.4	15.6	20.8	14.9	21.6	12.9	29.4	33.5	48.0	187.1	F		
15.4	16.4	14.3	10.0	15.2	14.5	19.1	17.4	12.0	18.4	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
5.7	7.5	7.7	5.0	5.4	1.3	10.8	16.0	11.1	16.5	F		
0.7	-	0.8	-	-	-	1.6	3.5	2.4	5.2	M	Fire	E890-E899/X00-X09
-	-	0.8	-	-	-	1.5	-	3.7	-	F		
26.7	17.9	18.3	20.8	22.8	14.5	19.1	22.6	12.0	28.9	M	Suicide	E950-E959/X60-X84
6.9	4.1	5.4	5.0	5.4	6.4	3.1	-	-	5.5	F		
2.0	2.9	1.6	0.8	1.1	-	-	1.7	-	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.6	0.7	2.3	0.8	1.1	-	-	-	-	2.8	F		
149.8	140.0	125.6	120.0	92.2	75.9	62.8	57.4	41.6	38.1	M	POPULATION (1000s; UN, 2004 revision)	
159.2	147.3	129.5	120.6	92.5	77.8	64.7	62.6	54.2	72.7	F		

<b>NEW ZEALAND: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	1143	80	1	2	77	8	16	51	3	308	677
35-69 Sm.	1225	564	378	66	120	162	10	390	-	99	-
35-69 Total	4795 (26%)	1625 (35%)	424 (89%)	119 (55%)	1082 (11%)	226 (72%)	52 (19%)	1932 (20%)	43	493 (20%)	424
70+ Sm.	1658	653	416	66	171	466	45	397	-	97	-
70+ Total	8590 (19%)	2211 (30%)	467 (89%)	121 (55%)	1623 (11%)	683 (68%)	522 (9%)	4008 (10%)	23	998 (10%)	145
Any age Sm.	2883	1217	794	132	291	628	55	787	-	196	-
Any age Total	14528 (20%)	3916 (31%)	892 (89%)	242 (55%)	2782 (10%)	917 (68%)	590 (9%)	5991 (13%)	69	1799 (11%)	1246
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	960	66	0	0	66	7	10	49	0	297	531
35-69 Sm.	915	466	313	59	94	114	7	248	-	80	-
35-69 Total	4198 (22%)	1574 (30%)	363 (86%)	124 (48%)	1087 (9%)	174 (66%)	33 (21%)	1470 (17%)	43	473 (17%)	431
70+ Sm.	1606	685	437	68	180	456	15	338	-	112	-
70+ Total	8655 (19%)	2480 (28%)	497 (88%)	130 (52%)	1853 (10%)	686 (66%)	182 (8%)	3830 (9%)	24	1290 (9%)	163
Any age Sm.	2521	1151	750	127	274	570	22	586	-	192	-
Any age Total	13813 (18%)	4120 (28%)	860 (87%)	254 (50%)	3006 (9%)	867 (66%)	225 (10%)	5349 (11%)	67	2060 (9%)	1125

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	1802.2	984.3	699.4	141.2	127.2	121.9	94.7	79.9	68.4	66.1	52.5	34.0	32.0
2000	1871.8	968.4	766.3	149.8	140.0	125.6	120.0	92.2	75.9	62.8	57.4	41.6	38.1
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	14528	1143	4795	186	250	387	526	708	1048	1690	2091	2219	4280
2000	13813	960	4198	202	269	359	503	664	859	1342	1882	2297	4476
<b>Lung cancer</b>													
1995	892	1	424	1	7	14	37	65	121	179	193	137	137
2000	860	-	363	3	12	24	50	57	75	142	183	159	155
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	892.6*	116.9*	882.3*	131.7	196.5	317.5	555.4	886.1	1532.2	2556.7	3982.9	6526.5	13375.0
2000	753.0*	101.9*	717.3*	134.8	192.1	285.8	419.2	720.2	1131.8	2136.9	3278.7	5521.6	11748.0
<b>All cancer</b>													
1995	244.5*	8.2*	308.7*	25.5	36.2	77.1	195.4	312.9	576.0	938.0	1386.7	1832.4	2687.5
2000	228.1*	6.9*	278.6*	19.4	42.1	93.2	162.5	304.8	448.0	880.6	1290.9	1867.8	2524.9
<b>Lung cancer</b>													
1995	56.2*	0.1*	83.7*	0.7	5.5	11.5	39.1	81.4	176.9	270.8	367.6	402.9	428.1
2000	48.0*	-	65.4*	2.0	8.6	19.1	41.7	61.8	98.8	226.1	318.8	382.2	406.8
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	15.2*	0.2*	22.9*	0.7	3.9	5.7	8.4	23.8	42.4	75.6	81.9	97.1	140.6
2000	14.4*	-	22.2*	1.3	3.6	2.4	15.8	23.9	36.9	71.7	83.6	93.8	112.9
<b>Other cancer</b>													
1995	173.1*	7.9*	202.1*	24.1	26.7	59.9	147.8	207.8	356.7	591.5	937.1	1332.4	2118.8
2000	165.7*	6.9*	191.0*	16.0	30.0	71.7	105.0	219.1	312.3	582.8	888.5	1391.8	2005.2
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	56.2*	0.8*	45.7*	-	6.3	4.9	11.6	21.3	80.4	195.2	302.9	623.5	975.0
2000	46.5*	0.7*	33.2*	2.0	5.7	4.8	8.3	22.8	56.7	132.2	254.4	442.3	934.4
<b>Other respiratory disease</b>													
1995	36.4*	1.6*	9.9*	1.4	0.8	2.5	7.4	6.3	13.2	37.8	83.8	226.5	1253.1
2000	11.9*	1.0*	6.1*	0.7	2.1	-	3.3	4.3	6.6	25.5	31.4	103.4	317.6
<b>Vascular disease</b>													
1995	372.7*	5.2*	361.9*	21.2	72.3	123.1	211.2	389.2	638.9	1077.2	1731.4	3070.6	6421.9
2000	290.3*	5.3*	256.8*	24.0	56.4	102.7	147.5	245.1	426.9	794.6	1217.8	2288.5	5719.2
<b>Liver cirrhosis</b>													
1995	4.3*	0.3*	7.6*	1.4	1.6	4.9	5.3	8.8	13.2	18.2	17.1	29.4	12.5
2000	3.9*	-	7.3*	1.3	1.4	5.6	2.5	6.5	14.5	19.1	20.9	14.4	15.7
<b>Other medical causes</b>													
1995	109.2*	30.7*	88.3*	19.1	24.4	38.6	66.5	80.1	159.4	230.0	384.8	650.0	1796.9
2000	111.2*	29.9*	79.0*	20.7	27.9	30.3	45.8	79.2	135.7	213.4	393.7	709.1	2018.4
<b>All non-medical causes</b>													
1995	69.3*	70.1*	60.3*	63.0	55.0	66.4	58.1	67.6	51.2	60.5	76.2	94.1	228.1
2000	61.1*	58.1*	56.3*	66.8	56.4	49.4	49.2	57.5	43.5	71.7	69.7	96.2	217.8

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994



## 1995, 2000: NEW ZEALAND

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	613	77	0	0	77	4	14	29	0	275	214
35-69	Sm.	627	253	192	20	41	125	6	166	-	77	-
	Total	3078	1554	242	37	1275	182	29	771	26	360	156
		(20%)	(16%)	(79%)	(54%)	(3%)	(69%)	(21%)	(22%)		(21%)	
70+	Sm.	1178	304	217	37	50	331	52	383	-	108	-
	Total	9737	1869	270	79	1520	486	801	4964	18	1407	192
		(12%)	(16%)	(80%)	(47%)	(3%)	(68%)	(6%)	(8%)		(8%)	
Any age	Sm.	1805	557	409	57	91	456	58	549	-	185	-
	Total	13428	3500	512	116	2872	672	844	5764	44	2042	562
		(13%)	(16%)	(80%)	(49%)	(3%)	(68%)	(7%)	(10%)		(9%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	483	69	2	2	65	4	7	29	0	208	166
35-69	Sm.	547	227	185	9	33	113	4	131	-	72	-
	Total	2834	1425	239	20	1166	167	23	677	27	375	140
		(19%)	(16%)	(77%)	(45%)	(3%)	(68%)	(17%)	(19%)		(19%)	
70+	Sm.	1255	339	245	39	55	367	17	391	-	141	-
	Total	9588	2006	305	75	1626	522	238	4865	20	1754	183
		(13%)	(17%)	(80%)	(52%)	(3%)	(70%)	(7%)	(8%)		(8%)	
Any age	Sm.	1802	566	430	48	88	480	21	522	-	213	-
	Total	12905	3500	546	97	2857	693	268	5571	47	2337	489
		(14%)	(16%)	(79%)	(49%)	(3%)	(69%)	(8%)	(9%)		(9%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	1855.4	970.4	710.9	147.1	130.6	121.9	94.1	80.5	68.4	68.3	62.4	49.1	62.6
2000	1946.4	965.3	791.6	159.2	147.3	129.5	120.6	92.5	77.8	64.7	62.6	54.2	72.7
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	13428	613	3078	139	178	284	388	461	644	984	1464	1857	6416
2000	12905	483	2834	112	184	254	372	479	613	820	1224	1737	6627
<b>Lung cancer</b>													
1995	512	-	242	2	9	13	21	48	67	82	115	73	82
2000	546	2	239	1	7	11	34	46	61	79	84	96	125
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	583.9*	63.0*	547.3*	94.5	136.3	233.0	412.3	572.7	941.5	1440.7	2346.2	3782.1	10249.2
2000	501.2*	50.2*	467.6*	70.4	124.9	196.1	308.5	517.8	787.9	1267.4	1955.3	3204.8	9115.5
<b>All cancer</b>													
1995	178.3*	7.6*	271.3*	43.5	70.4	137.8	254.0	318.0	467.8	607.6	849.4	957.2	1388.2
2000	158.6*	7.0*	232.1*	30.8	66.5	96.5	174.1	268.1	424.2	564.1	757.2	911.4	1427.8
<b>Lung cancer</b>													
1995	27.3*	-	45.6*	1.4	6.9	10.7	22.3	59.6	98.0	120.1	184.3	148.7	131.0
2000	25.8*	0.2*	41.8*	0.6	4.8	8.5	28.2	49.7	78.4	122.1	134.2	177.1	171.9
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	5.3*	-	7.2*	1.4	-	0.8	2.1	5.0	19.0	22.0	14.4	40.7	79.9
2000	3.8*	0.2*	3.5*	-	0.7	-	3.3	3.2	5.1	12.4	17.6	38.7	59.1
<b>Other cancer</b>													
1995	145.8*	7.6*	218.6*	40.8	63.6	126.3	229.5	253.4	350.9	465.6	650.6	767.8	1177.3
2000	128.9*	6.6*	186.8*	30.2	61.1	88.0	142.6	215.1	340.6	429.7	605.4	695.6	1196.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	30.6*	0.4*	35.0*	1.4	4.6	4.9	10.6	43.5	68.7	111.3	177.9	242.4	408.9
2000	28.1*	0.4*	31.0*	-	2.0	5.4	13.3	22.7	57.8	115.9	148.6	256.5	398.9
<b>Other respiratory disease</b>													
1995	29.3*	1.4*	5.1*	2.0	1.5	1.6	2.1	5.0	11.7	11.7	56.1	110.0	1137.4
2000	8.6*	0.7*	3.8*	1.3	2.7	0.8	0.8	2.2	5.1	13.9	14.4	36.9	287.5
<b>Vascular disease</b>													
1995	227.6*	2.9*	144.4*	18.4	20.7	37.7	68.0	125.5	250.0	490.5	961.5	1879.8	5496.8
2000	192.5*	2.9*	116.5*	11.3	22.4	42.5	58.9	135.1	169.7	375.6	702.9	1402.2	5041.3
<b>Liver cirrhosis</b>													
1995	2.5*	-	4.6*	0.7	0.8	-	9.6	5.0	2.9	13.2	8.0	16.3	8.0
2000	2.4*	-	4.2*	0.6	0.7	3.9	2.5	6.5	10.3	4.6	12.8	14.8	5.5
<b>Other medical causes</b>													
1995	88.7*	28.5*	65.1*	6.1	16.1	27.1	44.6	62.1	119.9	180.1	269.2	511.2	1578.3
2000	88.8*	21.7*	61.5*	11.9	14.9	26.3	43.9	61.6	108.0	163.8	285.9	535.1	1767.5
<b>All non-medical causes</b>													
1995	27.0*	22.0*	21.8*	22.4	22.2	23.8	23.4	13.7	20.5	26.4	24.0	65.2	231.6
2000	22.1*	17.4*	18.5*	14.4	15.6	20.8	14.9	21.6	12.9	29.4	33.5	48.0	187.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## NEW ZEALAND: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.0	– / 0.5	–
35–69	0.9 / 4.2	0.5 / 2.8	23 years
70+	1.6 / 8.7	1.3 / 9.6	8 years
All ages	2.5 / 14	1.8 / 13	13 years

## Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

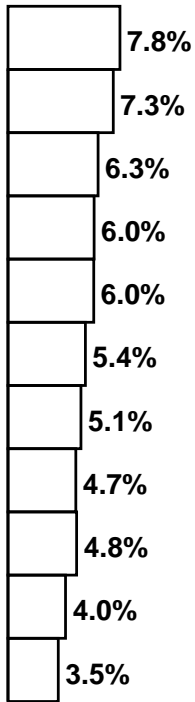
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	313/363	437/497	750/860	– / 2	185/239	245/305	430/546
All Cancer	– / 66	466/1574 (30%)	685/2480 (28%)	1151/4120	– / 69	227/1425 (16%)	339/2006 (17%)	566/3500
Vascular	– / 49	248/1470	338/3830	586/5349	– / 29	131/677	391/4865	522/5571
Respiratory	– / 17	121/207	471/868	592/1092	– / 11	117/190	384/760	501/961
All Other	– / 828	80/947	112/1477	192/3252	– / 374	72/542	141/1957	213/2873
All Causes	– / 960	915/4198 (22%)	1606/8655 (19%)	2521/13813	– / 483	547/2834 (19%)	1255/9588 (13%)	1802/12905

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.2 / 4.1 (28%)	0.6 / 3.5 (16%)	1.7 / 7.6 (23%)
All Causes	2.5 / 14 (18%)	1.8 / 13 (14%)	4.3 / 27 (16%)

1950-2000: NEW ZEALAND

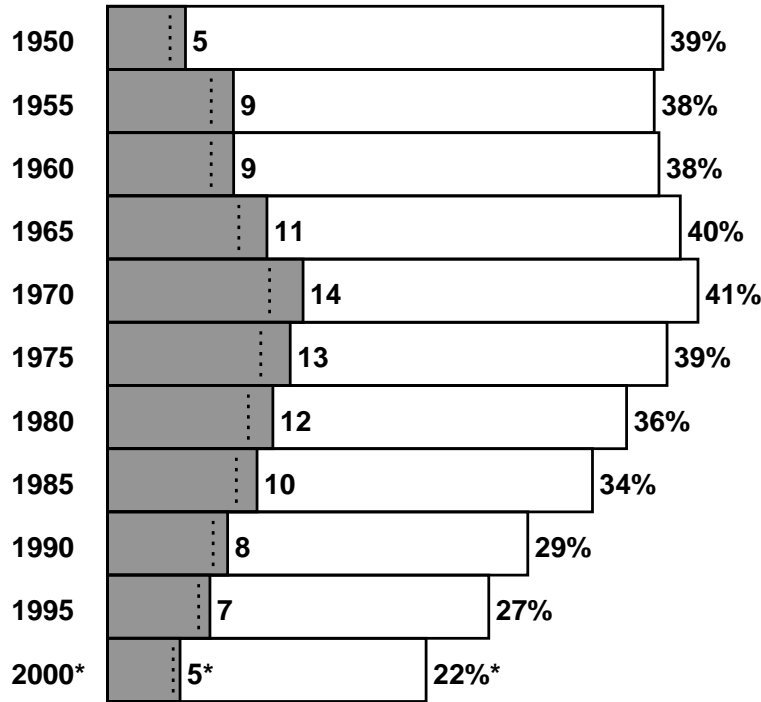
Population risk of dying at ages 0-34



Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)

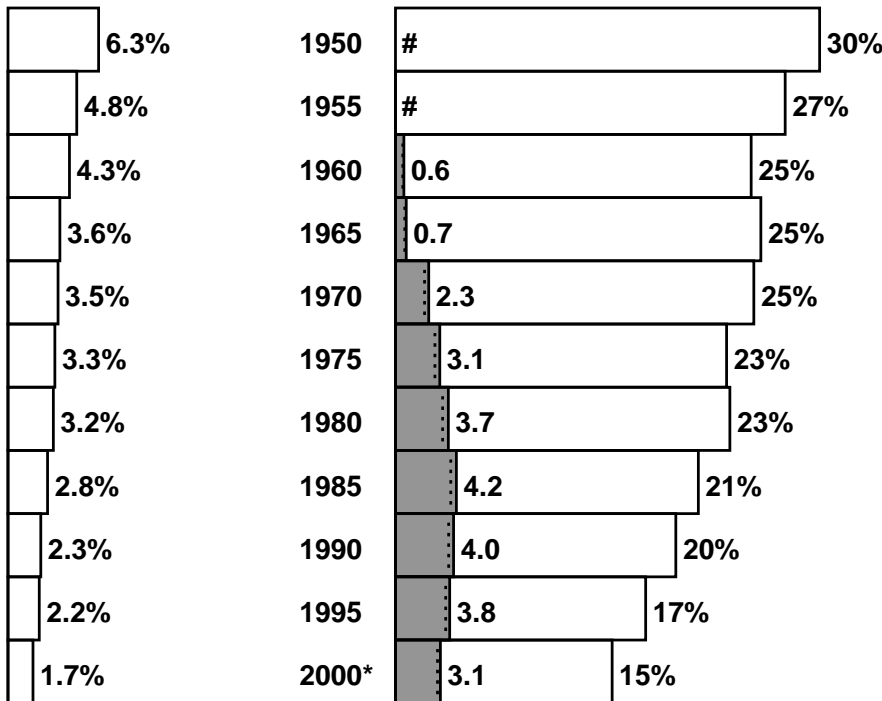
\*eg, at year 2000 male death rates, out of 100 men aged 35, 22 would die before age 70 (with 5 of these deaths attributed to smoking)

MALE



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

FEMALE



# Real risk too low to estimate reliably

## NEW ZEALAND: 1950-2000

## Numbers of deaths attributed to smoking / total deaths

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/1542	569/3968 (14%)	145/4431 (3%)	714/9941	-/1204	0/2941	0/3998	0/8143
1955	-/1609	932/3998 (23%)	370/5020 (7%)	1302/10627	-/1022	0/2831	0/4745	0/8598
1960	-/1539	970/4294 (23%)	578/5713 (10%)	1548/11546	-/1042	58/2734 (2%)	17/5570	75/9346
1965	-/1529	1408/5125 (27%)	911/6005 (15%)	2319/12659	-/915	95/3121 (3%)	0/6281	95/10317
1970	-/1576	1909/5822 (33%)	1114/6217 (18%)	3023/13615	-/916	321/3366 (10%)	199/6943 (3%)	520/11225
1975	-/1560	1924/5902 (33%)	1422/6336 (22%)	3346/13798	-/902	454/3370 (13%)	309/7045 (4%)	763/11317
1980	-/1367	1776/5617 (32%)	1755/7354 (24%)	3531/14338	-/811	566/3593 (16%)	502/7946 (6%)	1068/12350
1985	-/1303	1663/5416 (31%)	1671/7815 (21%)	3334/14534	-/718	666/3341 (20%)	612/8891 (7%)	1278/12950
1990	-/1369	1386/4936 (28%)	1621/7662 (21%)	3007/13967	-/636	658/3242 (20%)	742/8679 (9%)	1400/12557
1995	-/1143	1225/4795 (26%)	1658/8590 (19%)	2883/14528	-/613	627/3078 (20%)	1178/9737 (12%)	1805/13428
2000	-/960	915/4198 (22%)	1606/8655 (19%)	2521/13813	-/483	547/2834 (19%)	1255/9588 (13%)	1802/12905

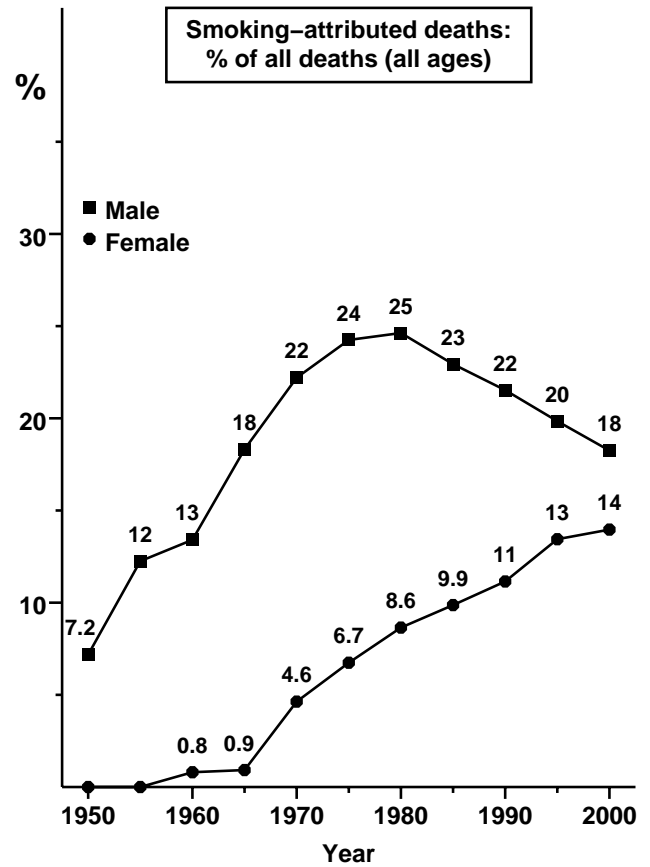
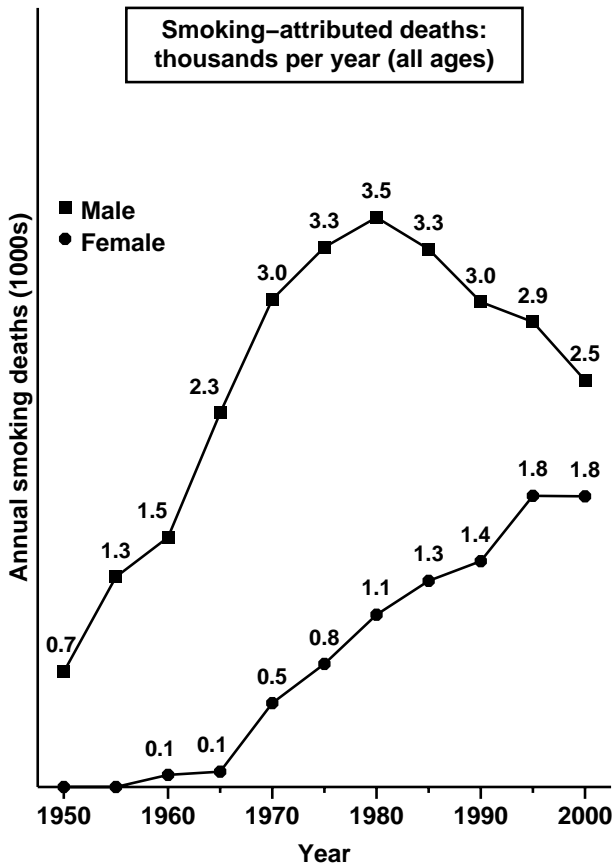
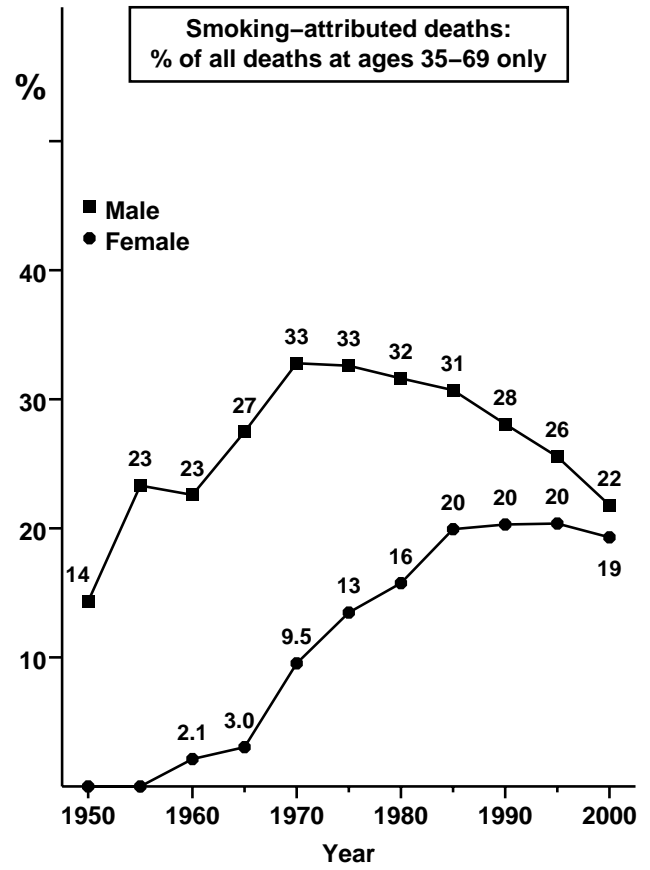
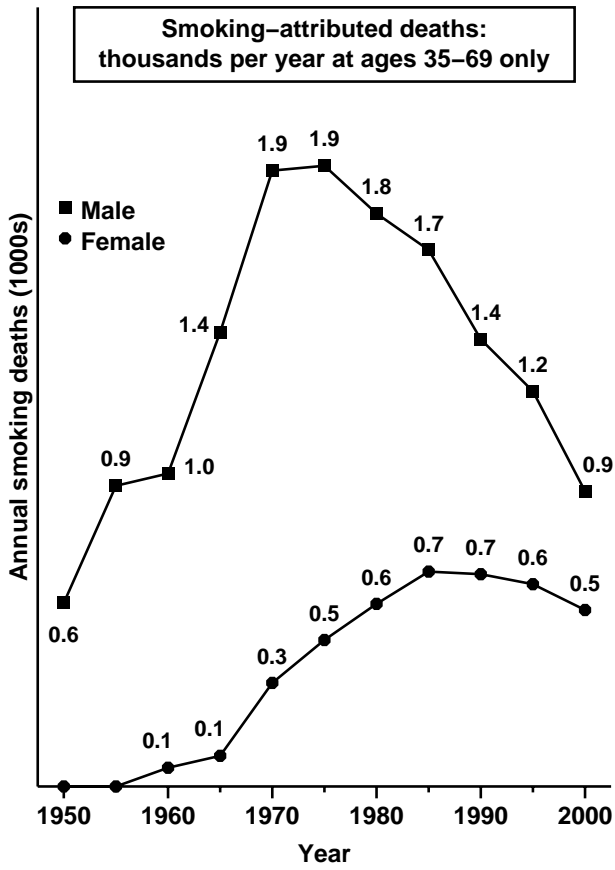
50-year total\* (thousands), mid-1950 to mid-2000: 171 / 1228

1950-2000 by age & sex:

-/71	72/252 (28%)	60/338 (18%)	132/661	-/42	18/157 (12%)	21/367 (6%)	39/566
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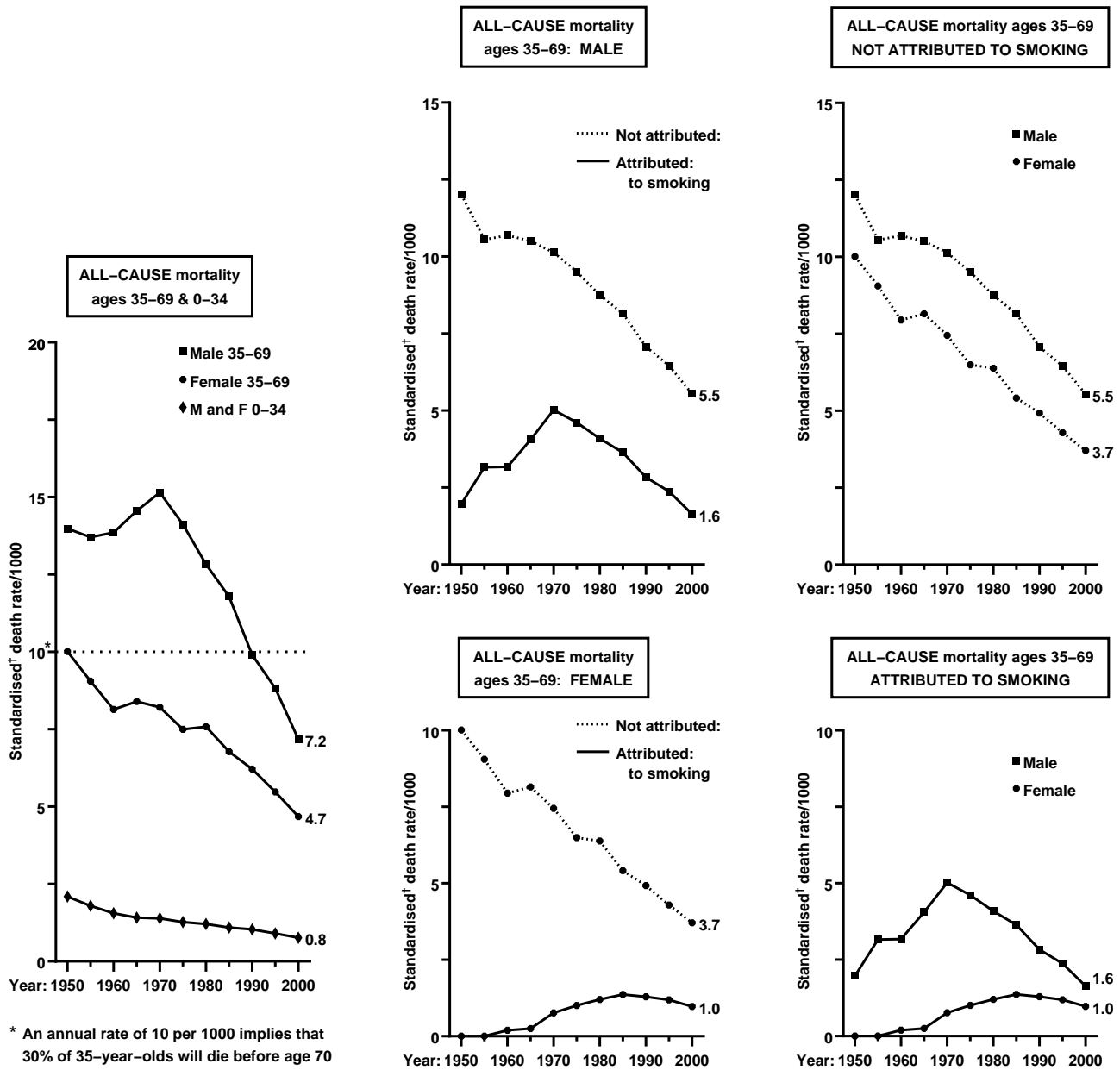
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: NEW ZEALAND



**NEW ZEALAND: 1950-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

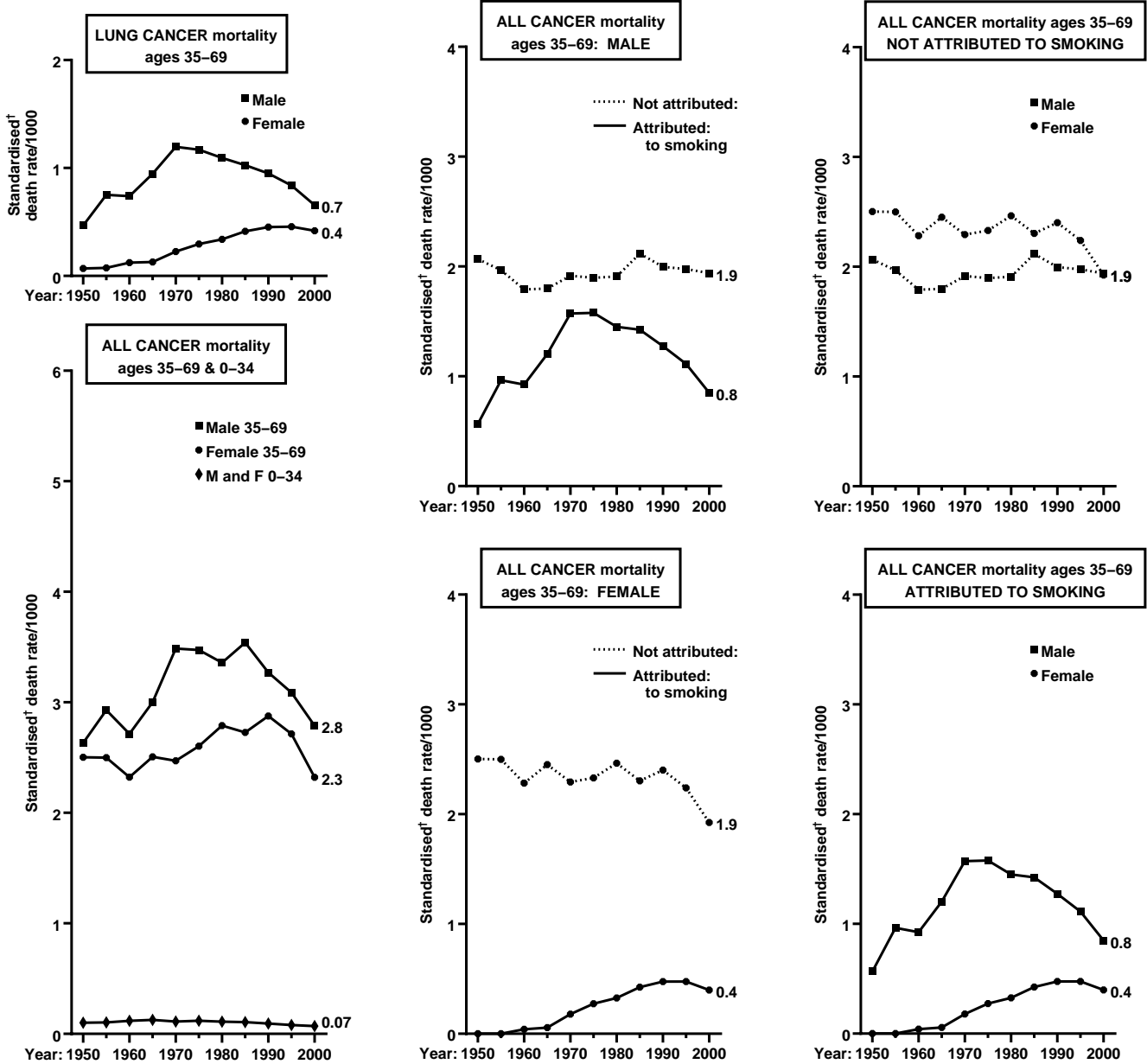
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	2.32	1.96	12.0	2.70	74.6	-	1.86	0.00	10.0	0.00	55.3	-	1.86	0.00	10.0	0.00	55.3
1955	-	2.18	3.16	10.5	6.00	68.0	-	1.40	0.00	9.05	0.00	54.6	-	1.40	0.00	9.05	0.00	54.6
1960	-	1.85	3.17	10.7	8.62	66.1	-	1.25	0.19	7.94	0.27	50.6	-	1.25	0.19	7.94	0.27	50.6
1965	-	1.77	4.05	10.5	14.9	72.0	-	1.05	0.25	8.15	0.00	49.6	-	1.05	0.25	8.15	0.00	49.6
1970	-	1.76	5.02	10.1	15.7	64.9	-	1.01	0.76	7.45	1.64	47.1	-	1.01	0.76	7.45	1.64	47.1
1975	-	1.58	4.61	9.51	18.3	55.3	-	0.95	1.00	6.49	2.23	40.8	-	0.95	1.00	6.49	2.23	40.8
1980	-	1.49	4.09	8.74	19.4	55.3	-	0.92	1.20	6.38	3.40	39.5	-	0.92	1.20	6.38	3.40	39.5
1985	-	1.38	3.63	8.15	15.5	53.1	-	0.80	1.36	5.41	3.69	35.6	-	0.80	1.36	5.41	3.69	35.6
1990	-	1.40	2.83	7.07	13.5	45.4	-	0.66	1.29	4.92	4.39	29.0	-	0.66	1.29	4.92	4.39	29.0
1995	-	1.17	2.37	6.45	11.7	40.9	-	0.63	1.19	4.29	5.26	25.4	-	0.63	1.19	4.29	5.26	25.4
2000	-	1.02	1.63	5.54	9.34	34.7	-	0.50	0.97	3.71	4.48	21.3	-	0.50	0.97	3.71	4.48	21.3

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: NEW ZEALAND

ALL CANCER mortality rates attributed and not attributed to smoking



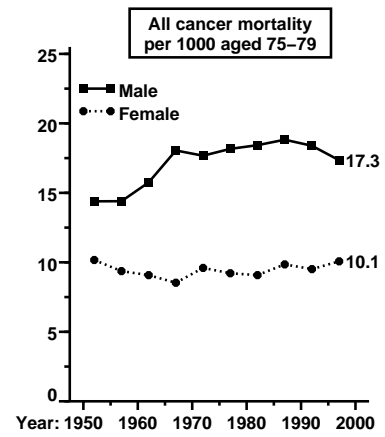
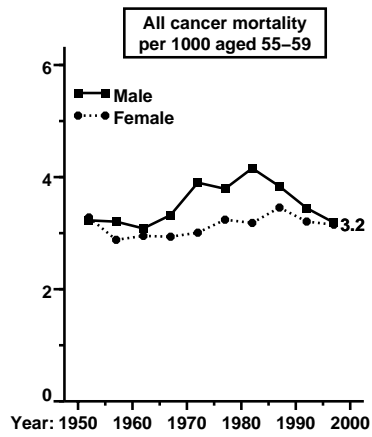
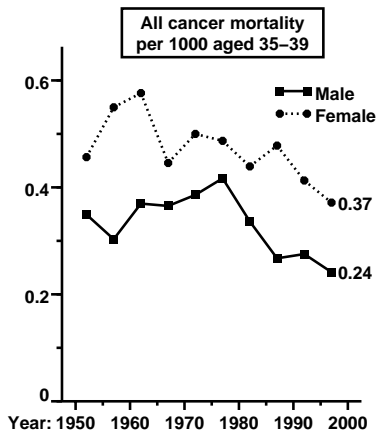
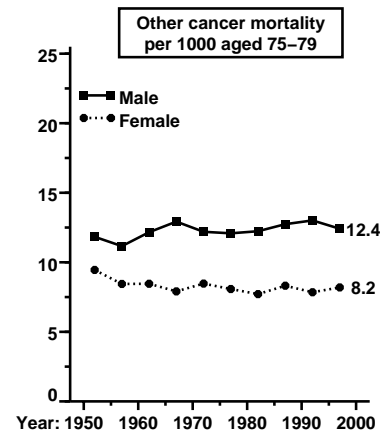
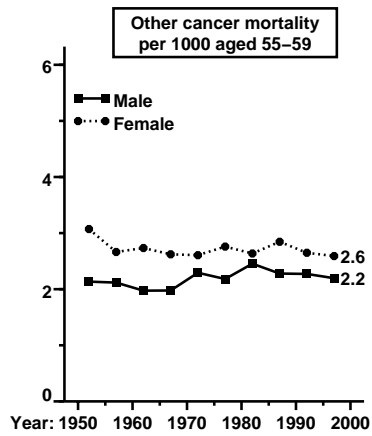
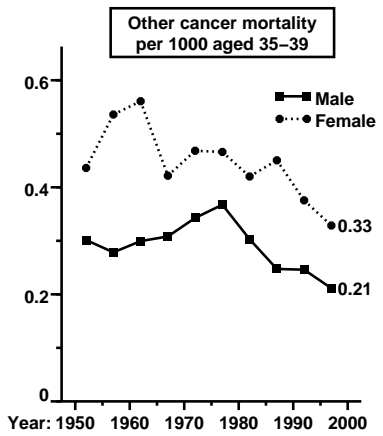
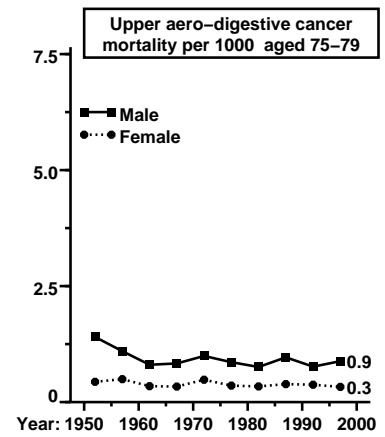
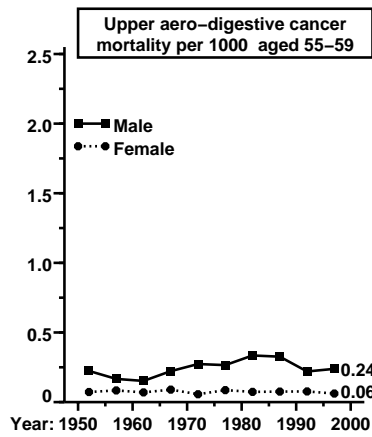
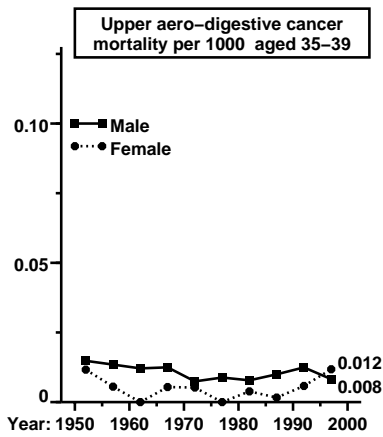
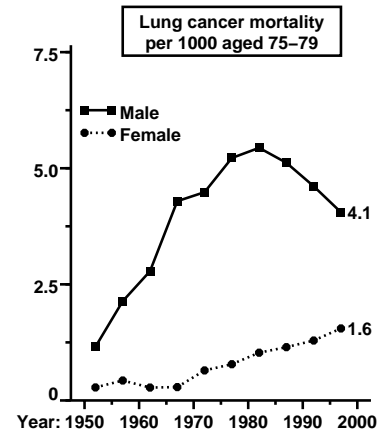
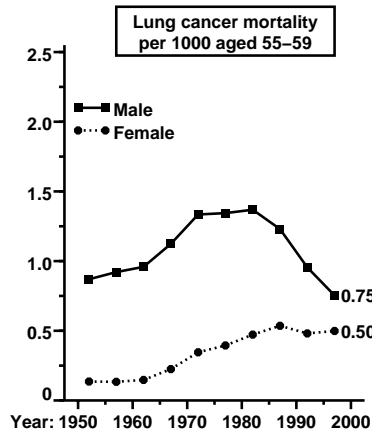
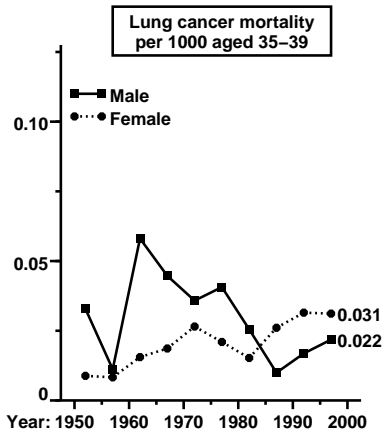
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	0.10	0.57	2.07	0.97	11.8	-	0.10	0.00	2.50	0.00	8.44	-	0.09
1955	-	0.11	0.96	1.97	1.83	10.2	-	0.11	0.00	2.50	0.00	9.02	-	0.11
1960	-	0.12	0.92	1.79	2.60	10.0	-	0.12	0.04	2.28	0.05	7.86	-	0.13
1965	-	0.12	1.20	1.80	4.50	10.8	-	0.13	0.06	2.45	0.00	7.14	-	0.13
1970	-	0.13	1.57	1.91	5.04	10.0	-	0.09	0.18	2.29	0.00	7.85	-	0.11
1975	-	0.13	1.58	1.90	6.46	9.56	-	0.11	0.27	2.33	0.54	7.73	-	0.10
1980	-	0.12	1.45	1.91	6.73	9.97	-	0.10	0.33	2.46	0.87	7.63	-	0.11
1985	-	0.10	1.42	2.12	5.59	10.4	-	0.11	0.42	2.30	0.96	7.92	-	0.08
1990	-	0.10	1.27	2.00	5.53	10.5	-	0.08	0.47	2.40	1.34	7.57	-	0.08
1995	-	0.08	1.11	1.98	5.14	11.0	-	0.08	0.47	2.24	1.74	7.29	-	0.07
2000	-	0.07	0.85	1.94	4.67	11.1	-	0.07	0.40	1.92	1.61	6.73	-	0.07

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**NEW ZEALAND: 1950-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

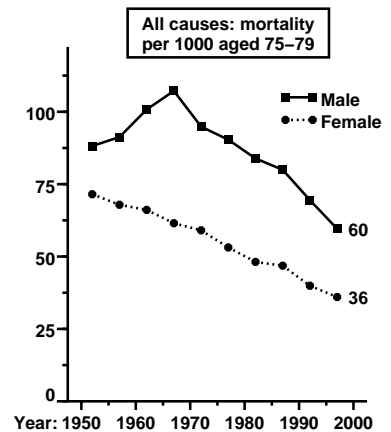
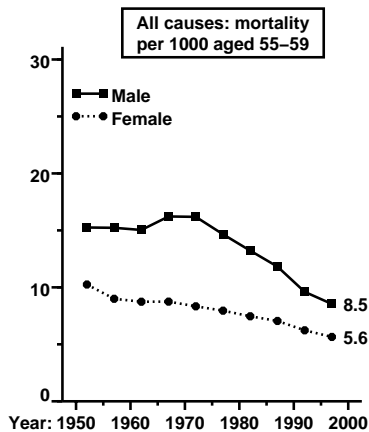
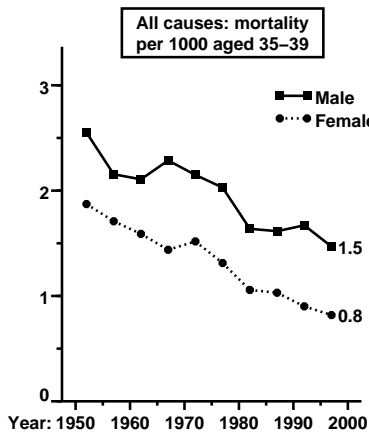
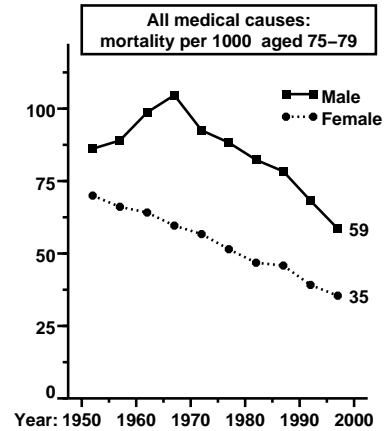
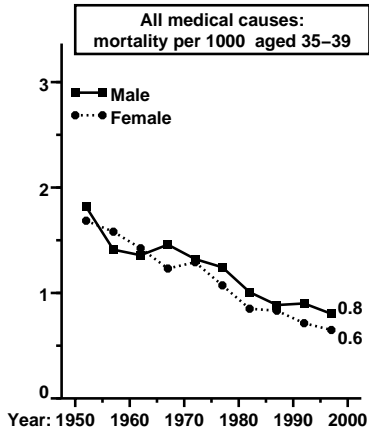
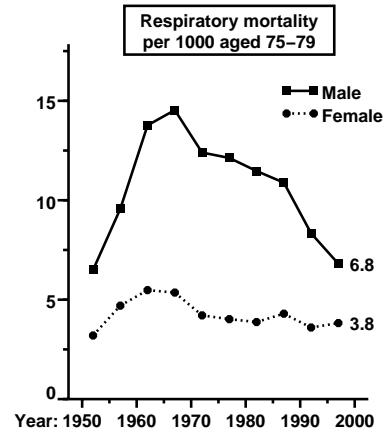
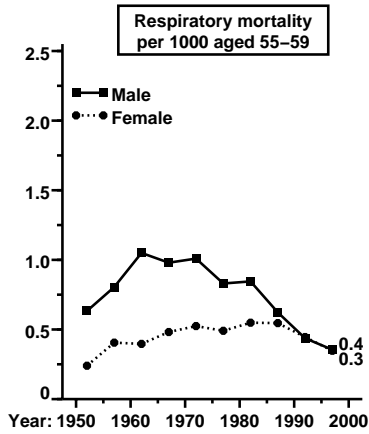
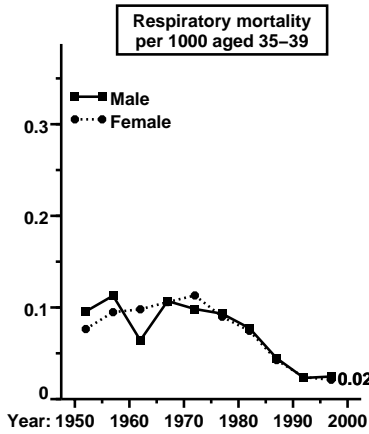
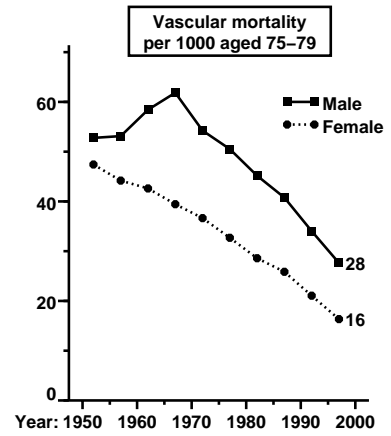
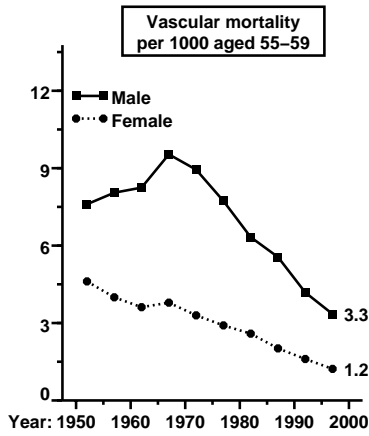
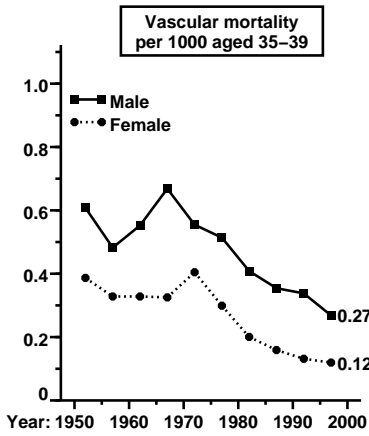


\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 350-351



1950-2000: NEW ZEALAND

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 350-351

## NORWAY: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	21676	885	5292	791.0	80.7	710.4	109.3	15.0	10.8	77.4	111.5	120.6	120.3
	F	22342	389	3121	507.8	37.2	408.4	82.9	11.9	12.8	34.0	33.3	38.2	47.0
Tuberculosis	M	29	-	3	1.0	-	0.4	-	-	-	-	-	-	-
	F	24	-	2	0.5	-	0.3	-	-	-	-	-	-	-
HIV	M	8	2	6	0.3	0.2	0.5	-	-	-	-	-	-	1.1
	F	7	2	5	0.3	0.2	0.5	-	-	0.7	-	-	0.6	-
Other infective and parasitic	M	204	6	31	7.1	0.6	4.3	2.6	-	-	1.5	-	-	-
	F	266	9	29	6.0	0.9	3.8	2.7	0.7	-	0.8	1.5	0.6	-
ALL CANCER	M	5532	59	1848	210.9	5.3	255.7	2.6	5.0	2.0	6.6	5.0	4.8	11.1
	F	4915	55	1594	146.4	5.0	207.2	5.5	4.0	2.1	3.9	-	4.3	15.1
Mouth and pharynx cancer	M	88	3	52	3.8	0.2	6.8	-	-	-	-	-	0.6	1.1
	F	52	1	23	1.7	0.1	2.9	-	-	0.7	-	-	-	-
Oesophagus cancer	M	105	-	45	4.2	-	6.0	-	-	-	-	-	-	-
	F	40	-	11	1.1	-	1.5	-	-	-	-	-	-	-
Stomach cancer	M	266	3	79	10.1	0.2	11.3	-	-	-	-	-	-	1.7
	F	197	-	41	5.0	-	5.4	-	-	-	-	-	-	-
Colorectal cancer	M	777	2	233	29.2	0.2	33.7	-	-	-	-	-	0.6	0.6
	F	817	2	201	21.7	0.2	26.8	-	-	-	-	-	-	1.2
Liver cancer	M	51	-	13	1.9	-	2.0	-	-	-	-	-	-	-
	F	32	1	5	0.9	0.1	0.7	0.7	-	-	-	-	-	-
Pancreas cancer	M	262	1	97	10.0	0.1	12.5	-	-	-	-	-	-	0.6
	F	309	1	62	8.2	0.1	8.5	-	-	-	-	-	-	0.6
Larynx cancer	M	33	-	17	1.4	-	2.5	-	-	-	-	-	-	-
	F	8	-	2	0.2	-	0.3	-	-	-	-	-	-	-
Lung cancer	M	1121	-	478	44.9	-	66.5	-	-	-	-	-	-	-
	F	652	1	295	23.0	0.1	39.3	-	-	-	-	-	-	0.6
Malignant melanoma	M	147	2	90	6.2	0.2	11.1	-	-	-	-	-	-	1.1
	F	66	2	27	2.2	0.2	3.1	-	-	-	-	-	-	1.2
Female breast cancer	F	761	7	320	24.5	0.6	39.6	-	-	-	-	-	-	4.1
Cervix cancer	F	99	4	54	3.6	0.3	6.2	-	-	-	-	-	1.2	1.2
Other uterine cancer	F	124	-	35	3.5	-	4.4	-	-	-	-	-	-	-
Ovarian cancer	F	295	-	124	9.7	-	16.1	-	-	-	-	-	-	-
Prostate cancer	M	1094	-	172	38.0	-	27.2	-	-	-	-	-	-	-
Bladder cancer	M	265	1	46	9.2	0.1	7.0	-	-	-	-	-	-	0.6
	F	123	-	16	2.8	-	2.4	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	863	31	359	34.2	2.8	46.8	2.0	2.5	1.4	2.2	2.9	3.0	5.6
	F	922	22	270	26.7	2.1	35.4	2.7	3.3	0.7	2.3	-	1.2	4.1
Hodgkin's disease	M	9	1	5	0.4	0.1	0.5	-	-	-	0.7	-	-	-
	F	9	2	1	0.2	0.2	0.1	-	-	-	-	-	0.6	0.6
Myeloma and non- Hodgkin lymphomas	M	297	4	111	11.5	0.4	14.9	0.7	-	-	0.7	1.4	-	-
	F	270	2	70	7.4	0.2	9.7	-	-	-	0.8	-	-	0.6
Leukaemia	M	154	11	51	6.0	1.1	7.0	-	2.5	0.7	2.9	0.7	0.6	-
	F	139	10	37	4.1	0.9	4.8	2.1	0.7	0.7	0.8	-	1.2	1.2
Diabetes	M	316	9	73	11.5	0.8	9.5	-	-	-	0.7	-	2.4	2.2
	F	339	3	37	7.3	0.3	5.2	-	-	-	-	-	1.2	0.6
ALL VASCULAR DISEASE	M	8659	30	1574	302.2	2.5	225.0	0.7	-	0.7	0.7	1.4	3.6	10.6
	F	9532	19	597	184.8	1.8	82.2	0.7	-	0.7	3.1	3.0	-	5.2
Rheumatic heart disease and fever	M	34	-	7	1.2	-	1.0	-	-	-	-	-	-	-
	F	64	-	5	1.3	-	0.8	-	-	-	-	-	-	-
Hypertensive disease	M	155	-	46	5.8	-	6.7	-	-	-	-	-	-	-
	F	191	1	13	3.9	0.1	1.7	-	-	-	0.8	-	-	-
Ischaemic heart disease	M	4398	10	990	157.3	0.8	140.5	-	-	-	-	0.7	0.6	4.5
	F	3784	1	302	77.1	0.1	41.9	-	-	-	-	-	-	0.6
Pulmonary embolism and other venous	M	76	4	15	2.7	0.3	2.2	-	-	-	-	-	1.2	1.1
	F	107	3	15	2.6	0.2	2.0	-	-	-	-	-	-	1.7
Cerebrovascular disease	M	1851	8	252	62.7	0.7	36.0	-	-	0.7	0.7	-	0.6	2.8
	F	2630	4	139	49.5	0.4	18.7	-	-	-	-	1.5	-	1.2
Other vascular disease	M	2145	8	264	72.5	0.7	38.5	0.7	-	-	-	0.7	1.2	2.2
	F	2756	10	123	50.4	1.0	17.2	0.7	-	0.7	2.3	1.5	-	1.7
Chronic obstructive pulmonary disease	M	945	2	156	33.2	0.2	24.8	0.7	-	-	-	0.7	-	-
	F	781	1	166	20.6	0.1	23.3	-	0.7	-	-	-	-	-
Other respiratory disease	M	1107	6	73	35.8	0.5	10.5	2.6	-	-	-	-	1.2	-
	F	1551	2	37	26.7	0.2	5.0	0.7	0.7	-	-	-	-	-
Peptic ulcer	M	113	-	26	4.0	-	3.8	-	-	-	-	-	-	-
	F	148	-	12	3.0	-	1.7	-	-	-	-	-	-	-
Liver cirrhosis	M	139	1	110	6.2	0.1	12.8	-	-	-	-	-	0.6	-
	F	85	1	57	3.4	0.1	6.9	-	-	-	-	-	-	0.6
Renal disease	M	210	2	15	6.8	0.2	2.4	-	-	-	0.7	-	-	0.6
	F	182	-	9	3.4	-	1.1	-	-	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	2	2	-	0.1	0.2	-	-	-	-	-	0.7	-	0.6
	M	135	120	13	6.8	11.1	1.3	73.5	1.3	-	-	0.7	1.2	1.1
	F	106	90	12	5.5	8.7	1.3	53.4	0.7	1.4	-	1.5	3.1	1.2
Ill-defined causes	M	913	52	268	34.3	4.9	34.0	14.3	0.6	-	3.7	8.6	2.4	4.5
	F	1083	16	83	21.2	1.5	11.1	8.2	0.7	-	-	0.7	0.6	0.6
Other medical causes	M	1940	195	552	72.1	17.3	66.0	6.5	0.6	2.0	12.5	21.4	42.8	35.1
	F	2379	58	310	53.2	5.5	39.4	5.5	-	0.7	4.6	10.4	7.4	9.9
ALL NON- MEDICAL CAUSES	M	1426	401	544	58.6	37.1	59.4	5.9	7.5	6.1	50.8	73.6	61.5	54.0
	F	942	131	171	25.4	12.7	19.3	6.2	4.6	7.1	21.7	15.6	20.3	13.3
Road traffic accidents	M	256	140	81	11.4	13.2	8.5	4.6	2.5	-	22.1	30.0	19.9	13.4
	F	94	38	27	3.7	3.7	2.7	1.4	1.3	2.1	8.5	4.4	5.5	2.9
Fire	M	40	10	18	1.7	0.9	1.9	-	-	0.7	0.7	2.9	1.2	1.1
	F	16	6	2	0.5	0.6	0.3	-	0.7	0.7	0.8	-	0.6	1.2
Suicide	M	409	154	207	18.0	14.3	21.5	-	-	2.7	20.6	30.0	24.7	21.7
	F	131	40	74	5.7	3.7	8.1	-	-	-	6.2	4.4	8.6	7.0
Homicide	M	29	11	16	1.3	1.0	1.7	0.7	1.3	-	1.5	0.7	1.2	1.7
	F	24	15	7	1.1	1.5	0.7	1.4	0.7	0.7	1.5	3.0	1.8	1.2
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
					2231.3	1082.8	939.2	153.7	160.0	148.1	135.7	139.9	165.8	179.6
					2271.1	1037.3	920.8	146.0	151.5	140.8	129.3	135.0	162.2	172.5

## 2000: NORWAY

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
155.4	206.6	276.1	466.1	713.9	1132.4	2022.4	3381.4	5693.8	13868.5	M	ALL CAUSES	001-999/A00-Y89
76.5	101.9	177.3	288.7	461.7	709.7	1043.2	1909.2	3309.4	10765.7	F		
-	-	-	0.6	-	-	2.5	3.9	10.4	24.5	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	-	-	-	-	-	2.3	4.4	4.3	10.7	F		
1.8	0.6	-	0.6	0.8	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.6	0.6	0.7	-	1.7	-	-	-	-	-	F		
1.8	0.6	1.3	3.8	0.8	6.6	14.9	38.0	51.8	157.5	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	1.3	0.7	2.6	5.9	10.6	5.7	21.0	41.3	130.9	F		
24.1	39.2	76.6	175.6	276.2	440.9	757.5	1124.5	1627.2	2548.9	M	ALL CANCER	140-208/C00-C97
29.0	49.0	98.3	153.6	260.7	394.1	465.3	726.5	866.4	1387.4	F		
-	1.2	1.9	7.0	10.7	12.0	14.9	13.1	14.8	19.9	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.6	2.7	1.3	5.0	6.4	4.6	3.3	4.3	16.1	F		
-	0.6	3.9	6.3	4.1	10.9	16.2	26.2	25.1	35.2	M	Oesophagus cancer	150/C15
-	-	-	2.6	0.8	2.1	4.6	4.4	9.8	12.3	F		
1.2	1.2	3.2	5.7	11.5	17.5	38.6	73.4	75.4	117.7	M	Stomach cancer	151/C16
-	3.2	2.0	4.0	3.4	10.6	14.8	28.8	29.3	78.9	F		
1.8	1.2	10.9	14.6	35.4	62.4	109.5	162.5	244.1	386.9	M	Colorectal cancer	153, 154/C18-C21
1.9	4.5	12.0	17.2	31.1	58.3	62.6	91.9	158.5	294.8	F		
-	-	-	0.6	2.5	2.2	8.7	9.2	19.2	27.5	M	Liver cancer	155.0/C22 excl C221
-	-	-	-	0.8	2.1	2.3	8.9	6.5	9.2	F		
1.2	2.5	2.6	14.6	21.4	16.4	28.6	51.1	96.2	91.7	M	Pancreas cancer	157/C25
0.6	0.6	2.7	5.3	8.4	18.0	23.9	57.6	71.7	98.0	F		
-	0.6	1.3	-	0.8	8.8	6.2	7.9	7.4	7.6	M	Larynx cancer	161/C32
-	-	-	-	-	1.1	1.1	2.2	3.3	0.8	F		
1.2	7.4	20.6	45.7	80.0	121.4	189.1	264.7	360.9	301.2	M	Lung cancer	162/C33, C34
1.9	7.0	12.7	26.5	57.2	72.0	97.8	153.9	121.6	80.4	F		
2.4	3.1	3.2	15.9	14.0	20.8	18.7	17.0	29.6	33.6	M	Malignant melanoma	172/C43
2.5	1.9	4.0	0.7	5.0	5.3	2.3	12.2	8.7	13.8	F		
6.2	14.6	24.1	38.4	60.6	58.3	75.1	94.1	110.7	189.1	F	Female breast cancer	174/C50
1.9	5.1	8.7	6.6	3.4	8.5	9.1	12.2	14.1	13.0	F	Cervix cancer	180/C53
-	-	2.0	4.6	10.1	7.4	6.8	15.5	23.9	40.6	F	Other uterine cancer	179, 182/C54, C55
3.7	2.5	4.7	15.2	18.5	38.1	29.6	41.0	63.0	58.2	F	Ovarian cancer	183/C56, C570-C574
-	-	2.6	7.0	15.7	47.0	118.2	205.8	340.2	818.0	M	Prostate cancer	185/C61
-	0.6	-	1.9	8.2	13.1	24.9	41.9	91.7	189.6	M	Bladder cancer	188/C67
-	-	-	0.7	2.5	2.1	11.4	17.7	23.9	52.8	F		
8.8	14.1	19.3	40.6	53.6	75.5	115.7	169.1	213.0	305.8	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
9.3	7.6	17.4	21.2	37.0	64.6	91.0	132.9	150.9	284.1	F		
1.2	0.6	-	0.6	-	1.1	-	-	1.5	3.1	M	Hodgkin's disease	201/C81
-	-	-	0.7	-	-	-	1.1	1.1	3.1	F		
4.1	4.3	5.1	11.4	12.4	19.7	47.3	59.0	72.5	134.6	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.6	-	3.3	5.3	9.3	27.5	21.6	33.2	46.7	95.7	F	Leukaemia	204-208/C91-C95
2.4	1.8	1.9	3.8	5.8	12.0	21.1	23.6	35.5	76.5	M		
0.6	1.3	2.0	3.3	7.6	11.7	6.8	15.5	18.5	46.7	F		
2.4	5.5	3.2	5.7	9.9	19.7	19.9	69.5	84.3	189.6	M	Diabetes	250/E10-E14
0.6	-	2.0	2.6	4.2	7.4	19.3	29.9	55.4	169.2	F		
11.8	38.6	59.2	126.8	195.4	391.7	751.2	1349.9	2476.3	6652.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
8.6	12.1	22.1	49.7	73.2	137.7	271.9	653.4	1393.1	5392.8	F		
-	-	-	0.6	1.6	-	5.0	9.2	8.9	21.4	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	-	-	-	2.3	8.9	8.7	32.9	F		
0.6	1.2	0.6	3.8	3.3	16.4	21.1	27.5	32.5	100.9	M	Hypertensive disease	401-405/I10-I15
-	0.6	-	2.0	2.5	4.2	2.3	23.3	22.8	103.4	F		
5.9	24.5	40.5	82.4	129.4	244.0	456.5	732.6	1312.1	2984.7	M	Ischaemic heart disease	410-414/I20-I25
3.7	4.5	7.4	25.8	40.4	76.3	135.4	342.2	621.1	1990.8	F		
0.6	-	-	1.3	1.6	4.4	7.5	14.4	20.7	48.9	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.6	-	1.3	1.3	2.5	1.1	6.8	13.3	25.0	41.3	F		
4.1	4.9	12.9	19.0	29.7	46.0	135.6	260.8	559.2	1550.5	M	Cerebrovascular disease	430-438/I60-I69
3.1	3.2	8.7	12.6	15.1	25.4	62.6	144.0	386.5	1532.2	F		
0.6	8.0	5.1	19.7	29.7	81.0	125.6	305.4	542.9	1946.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
1.2	3.8	4.7	7.9	12.6	27.5	62.6	121.8	329.0	1692.2	F		
1.2	1.2	3.2	3.2	14.0	36.1	114.4	205.8	331.4	620.8	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.6	1.9	2.7	13.9	24.4	42.4	77.4	126.2	190.0	248.9	F		
1.2	2.5	0.6	4.4	12.4	15.3	37.3	93.1	218.9	1237.0	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
0.6	1.9	0.7	3.3	4.2	9.5	14.8	48.7	141.2	1024.5	F		
0.6	-	-	1.9	5.8	3.3	14.9	14.4	29.6	85.6	M	Peptic ulcer	531-533/K25-K27
-	0.6	-	-	1.7	4.2	5.7	12.2	22.8	79.6	F		
4.1	4.3	9.0	18.4	19.0	19.7	14.9	19.7	8.9	10.7	M	Liver cirrhosis	571/K70, K74
-	2.5	2.7	9.9	13.5	11.7	8.0	7.8	8.7	9.2	F		
-	-	0.6	-	1.6	4.4	10.0	19.7	57.7	212.5	M	Renal disease	580-590/N00-N19
-	-	0.7	2.0	0.8	-	4.6	6.6	32.6	104.9	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.6	1.2	0.6	3.2	2.5	1.1	-	-	3.0	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.2	0.6	1.3	1.3	1.7	3.2	-	3.3	-	0.8	F	Ill-defined causes	780-799/R00-R99
9.4	15.3	13.5	26.0	45.3	62.4	65.9	118.0	201.2	561.2	M		
1.2	3.8	4.0	6.0	13.5	15.9	33.0	43.2	103.1	650.8	F		
45.9	40.5	48.3	45.0	64.3	76.6	141.8	222.8	454.1	1094.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
18.5	14.0	20.1	25.2	40.4	49.8	108.1	178.3	360.5	1162.3	F		
50.6	57.0	59.8	50.7	66.0	54.7	77.1	102.2	139.1	472.5	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
15.4	13.4	21.4	18.5	16.0	23.3	27.3	47.6	90.1	393.6	F		
12.4	8.0	7.7	5.7	10.7	6.6	8.7	14.4	10.4	26.0	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.3	2.5	4.7	2.6	1.7	1.1	2.3	6.6	14.1	7.7	F		
1.2	1.8	0.6	4.4	1.6	3.3	-	7.9	-	9.2	M	Fire	E890-E899/X00-X09
-	-	-	-	-	1.1	1.1	-	3.3	3.8	F		
23.0	23.9	28.3	18.4	20.6	16.4	19.9	27.5	13.3	27.5	M	Suicide	E950-E959/X60-X84
8.0	7.0	10.7	6.6	6.7	8.5	9.1	5.5	8.7	3.1	F		
1.2	2.5	2.6	1.3	0.8	-	3.7	1.3	-	1.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.2	0.6	0.7	0.7	0.8	-	1.1	1.1	1.1	-	F		
169.9	163.1	155.4	157.7	121.3	91.4	80.4	76.3	67.6	65.4	M	POPULATION	
162.1	157.0	149.5	151.0	118.9	94.4	87.9	90.3	92.1	130.6	F	(1000s; UN, 2004 revision)	

<b>NORWAY: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	846	60	1	3	56	7	3	34	3	329	410
35-69	Sm.	1342	610	433	59	118	112	19	426	-	175	-
	Total	5941 (23%)	1811 (34%)	492 (88%)	116 (51%)	1203 (10%)	162 (69%)	108 (18%)	2310 (18%)	85	938 (19%)	527
70+	Sm.	2185	847	528	64	255	451	98	611	-	178	-
	Total	16237 (13%)	3708 (23%)	609 (87%)	131 (49%)	2968 (9%)	712 (63%)	1368 (7%)	7672 (8%)	42	2258 (8%)	477
Any age	Sm.	3527	1457	961	123	373	563	117	1037	-	353	-
	Total	23024 (15%)	5579 (26%)	1102 (87%)	250 (49%)	4227 (9%)	881 (64%)	1479 (8%)	10016 (10%)	130	3525 (10%)	1414
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	885	59	0	3	56	2	6	30	1	386	401
35-69	Sm.	1160	583	415	56	112	101	12	274	-	190	-
	Total	5292 (22%)	1848 (32%)	478 (87%)	114 (49%)	1256 (9%)	156 (65%)	73 (16%)	1574 (17%)	110	987 (19%)	544
70+	Sm.	2199	865	557	53	255	507	77	554	-	196	-
	Total	15499 (14%)	3625 (24%)	643 (87%)	109 (49%)	2873 (9%)	787 (64%)	1028 (7%)	7055 (8%)	28	2495 (8%)	481
Any age	Sm.	3359	1448	972	109	367	608	89	828	-	386	-
	Total	21676 (15%)	5532 (26%)	1121 (87%)	226 (48%)	4185 (9%)	945 (64%)	1107 (8%)	8659 (10%)	139	3868 (10%)	1426

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2155.6	1080.3	873.4	162.8	156.6	160.4	124.9	95.6	86.6	86.5	83.2	60.6	58.1
2000	2231.3	1082.8	939.2	169.9	163.1	155.4	157.7	121.3	91.4	80.4	76.3	67.6	65.4
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	23024	846	5941	228	290	549	622	823	1243	2186	3356	4154	8727
2000	21676	885	5292	264	337	429	735	866	1035	1626	2580	3849	9070
<b>Lung cancer</b>													
1995	1102	1	492	1	5	23	57	68	127	211	254	200	155
2000	1121	-	478	2	12	32	72	97	111	152	202	244	197
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	903.0*	76.0*	855.6*	140.0	185.2	342.3	498.0	860.9	1435.3	2527.2	4033.7	6854.8	15020.7
2000	791.0*	80.7*	710.4*	155.4	206.6	276.1	466.1	713.9	1132.4	2022.4	3381.4	5693.8	13868.5
<b>All cancer</b>													
1995	224.5*	5.5*	266.6*	22.1	30.7	93.5	164.9	279.3	453.8	822.0	1201.9	1823.4	2759.0
2000	210.9*	5.3*	255.7*	24.1	39.2	76.6	175.6	276.2	440.9	757.5	1124.5	1627.2	2548.9
<b>Lung cancer</b>													
1995	47.0*	0.1*	75.1*	0.6	3.2	14.3	45.6	71.1	146.7	243.9	305.3	330.0	266.8
2000	44.9*	-	66.5*	1.2	7.4	20.6	45.7	80.0	121.4	189.1	264.7	360.9	301.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	10.8*	0.3*	16.9*	1.2	1.9	5.0	15.2	22.0	24.2	48.6	49.3	66.0	86.1
2000	9.4*	0.2*	15.4*	-	2.5	7.1	13.3	15.7	31.7	37.3	47.2	47.3	62.7
<b>Other cancer</b>													
1995	166.8*	5.1*	174.7*	20.3	25.5	74.2	104.1	186.2	282.9	529.5	847.4	1427.4	2406.2
2000	156.7*	5.1*	173.9*	23.0	29.4	48.9	116.7	180.5	287.7	531.1	812.6	1218.9	2185.0
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	33.2*	0.6*	25.4*	0.6	0.6	3.1	8.0	18.8	50.8	96.0	195.9	336.6	593.8
2000	33.2*	0.2*	24.8*	1.2	1.2	3.2	3.2	14.0	36.1	114.4	205.8	331.4	620.8
<b>Other respiratory disease</b>													
1995	52.7*	0.3*	16.5*	1.2	1.3	3.7	4.8	15.7	27.7	61.3	155.0	410.9	1704.0
2000	35.8*	0.5*	10.5*	1.2	2.5	0.6	4.4	12.4	15.3	37.3	93.1	218.9	1237.0
<b>Vascular disease</b>													
1995	385.1*	3.0*	346.7*	20.3	43.4	91.6	172.9	327.4	629.3	1142.2	1838.9	3257.4	7173.8
2000	302.2*	2.5*	225.0*	11.8	38.6	59.2	126.8	195.4	391.7	751.2	1349.9	2476.3	6652.9
<b>Liver cirrhosis</b>													
1995	6.1*	0.3*	11.4*	2.5	5.1	6.9	10.4	17.8	21.9	15.0	21.6	29.7	10.3
2000	6.2*	0.1*	12.8*	4.1	4.3	9.0	18.4	19.0	19.7	14.9	19.7	8.9	10.7
<b>Other medical causes</b>													
1995	141.1*	29.5*	126.5*	46.1	58.7	68.6	83.3	139.1	188.2	301.7	520.4	826.7	2278.8
2000	144.0*	35.0*	122.2*	62.4	63.8	67.6	86.9	131.1	174.0	269.9	486.2	892.0	2325.7
<b>All non-medical causes</b>													
1995	60.5*	36.8*	62.3*	47.3	45.3	74.8	53.6	62.8	63.5	89.0	99.8	170.0	500.9
2000	58.6*	37.1*	59.4*	50.6	57.0	59.8	50.7	66.0	54.7	77.1	102.2	139.1	472.5

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

## 1995, 2000: NORWAY

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	364	58	0	0	58	4	3	23	1	178	97
35-69	Sm.	534	237	194	10	33	88	9	131	-	69	-
	Total	3272	1664	261	23	1380	141	50	776	45	406	190
		(16%)	(14%)	(74%)	(43%)	(2%)	(62%)	(18%)	(17%)		(17%)	
70+	Sm.	977	220	159	19	42	226	66	338	-	127	-
	Total	18522	3070	246	63	2761	442	1930	9052	28	3427	573
		(5%)	(7%)	(65%)	(30%)	(2%)	(51%)	(3%)	(4%)		(4%)	
Any age	Sm.	1511	457	353	29	75	314	75	469	-	196	-
	Total	22158	4792	507	86	4199	587	1983	9851	74	4011	860
		(7%)	(10%)	(70%)	(34%)	(2%)	(53%)	(4%)	(5%)		(5%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	389	55	1	1	53	1	2	19	1	180	131
35-69	Sm.	597	276	226	16	34	109	7	111	-	94	-
	Total	3121	1594	295	36	1263	166	37	597	57	499	171
		(19%)	(17%)	(77%)	(44%)	(3%)	(66%)	(19%)	(19%)		(19%)	
70+	Sm.	1513	365	270	26	69	377	75	485	-	211	-
	Total	18832	3266	356	63	2847	614	1512	8916	27	3857	640
		(8%)	(11%)	(76%)	(41%)	(2%)	(61%)	(5%)	(5%)		(5%)	
Any age	Sm.	2110	641	496	42	103	486	82	596	-	305	-
	Total	22342	4915	652	100	4163	781	1551	9532	85	4536	942
		(9%)	(13%)	(76%)	(42%)	(2%)	(62%)	(5%)	(6%)		(7%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2203.9	1029.9	864.3	156.0	149.6	152.3	121.1	97.0	91.5	96.8	104.2	88.6	116.9
2000	2271.1	1037.3	920.8	162.1	157.0	149.5	151.0	118.9	94.4	87.9	90.3	92.1	130.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	22158	364	3272	107	174	296	336	445	699	1215	2215	3266	13041
2000	22342	389	3121	124	160	265	436	549	670	917	1724	3048	14060
<b>Lung cancer</b>													
1995	507	-	261	3	16	27	30	39	49	97	86	84	76
2000	652	1	295	3	11	19	40	68	86	86	139	112	105
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	540.3*	34.6*	447.8*	68.6	116.3	194.4	277.5	458.8	763.9	1255.2	2125.7	3686.2	11155.7
2000	507.8*	37.2*	408.4*	76.5	101.9	177.3	288.7	461.7	709.7	1043.2	1909.2	3309.4	10765.7
<b>All cancer</b>													
1995	151.4*	5.4*	226.0*	32.1	64.2	109.7	164.3	274.2	403.3	534.1	652.6	891.6	1368.7
2000	146.4*	5.0*	207.2*	29.0	49.0	98.3	153.6	260.7	394.1	465.3	726.5	866.4	1387.4
<b>Lung cancer</b>													
1995	18.6*	-	35.6*	1.9	10.7	17.7	24.8	40.2	53.6	100.2	82.5	94.8	65.0
2000	23.0*	0.1*	39.3*	1.9	7.0	12.7	26.5	57.2	72.0	97.8	153.9	121.6	80.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.4*	-	3.3*	-	0.7	0.7	1.7	2.1	7.7	10.3	10.6	12.4	35.1
2000	3.0*	0.1*	4.7*	-	0.6	2.7	4.0	5.9	9.5	10.2	10.0	17.4	29.1
<b>Other cancer</b>													
1995	130.3*	5.4*	187.1*	30.1	52.8	91.3	137.9	232.0	342.1	423.6	559.5	784.4	1268.6
2000	120.4*	4.8*	163.1*	27.1	41.4	82.9	123.2	197.6	312.5	357.2	562.6	727.5	1277.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	16.7*	0.4*	20.2*	-	1.3	6.6	5.8	19.6	35.0	73.3	115.2	151.2	160.8
2000	20.6*	0.1*	23.3*	0.6	1.9	2.7	13.9	24.4	42.4	77.4	126.2	190.0	248.9
<b>Other respiratory disease</b>													
1995	37.5*	0.3*	7.2*	0.6	-	2.0	0.8	4.1	9.8	33.1	72.0	242.7	1402.9
2000	26.7*	0.2*	5.0*	0.6	1.9	0.7	3.3	4.2	9.5	14.8	48.7	141.2	1024.5
<b>Vascular disease</b>													
1995	212.2*	2.2*	111.0*	4.5	12.0	25.6	42.9	83.5	191.3	417.4	892.5	1678.3	5675.8
2000	184.8*	1.8*	82.2*	8.6	12.1	22.1	49.7	73.2	137.7	271.9	653.4	1393.1	5392.8
<b>Liver cirrhosis</b>													
1995	2.9*	0.1*	5.9*	2.6	2.0	3.3	5.8	5.2	10.9	11.4	8.6	7.9	10.3
2000	3.4*	0.1*	6.9*	-	2.5	2.7	9.9	13.5	11.7	8.0	7.8	8.7	9.2
<b>Other medical causes</b>													
1995	94.6*	17.0*	54.7*	14.7	15.4	26.9	33.9	53.6	84.2	153.9	326.3	627.5	2165.1
2000	100.5*	17.3*	64.6*	22.2	21.0	29.4	39.7	69.8	91.1	178.6	299.0	620.0	2309.3
<b>All non-medical causes</b>													
1995	25.0*	9.3*	22.8*	14.1	21.4	20.4	23.9	18.6	29.5	32.0	58.5	86.9	372.1
2000	25.4*	12.7*	19.3*	15.4	13.4	21.4	18.5	16.0	23.3	27.3	47.6	90.1	393.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>NORWAY: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.9	– / 0.4	–
35–69	1.2 / 5.3	0.6 / 3.1	23 years
70+	2.2 / 15	1.5 / 19	8 years
<b>All ages</b>	<b>3.4 / 22</b>	<b>2.1 / 22</b>	<b>13 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

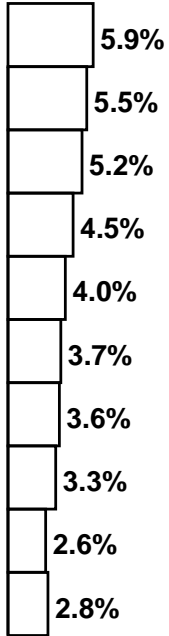
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.4/0.5	0.6/0.6	1.0/1.1	–/0.0	0.2/0.3	0.3/0.4	0.5/0.7
All Cancer	–/0.1	0.6/1.8 (32%)	0.9/3.6 (24%)	1.4/5.5	–/0.1	0.3/1.6 (17%)	0.4/3.3 (11%)	0.6/4.9
Vascular	–/0.0	0.3/1.6	0.6/7.1	0.8/8.7	–/0.0	0.1/0.6	0.5/8.9	0.6/9.5
Respiratory	–/0.0	0.1/0.2	0.6/1.8	0.7/2.1	–/0.0	0.1/0.2	0.5/2.1	0.6/2.3
All Other	–/0.8	0.2/1.6	0.2/3.0	0.4/5.4	–/0.3	0.1/0.7	0.2/4.5	0.3/5.6
<b>All Causes</b>	<b>–/0.9</b>	<b>1.2/5.3 (22%)</b>	<b>2.2/15 (14%)</b>	<b>3.4/22</b>	<b>–/0.4</b>	<b>0.6/3.1 (19%)</b>	<b>1.5/19 ( 8%)</b>	<b>2.1/22</b>

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	1.4 / 5.5 (26%)	0.6 / 4.9 (13%)	2.1 / 10 (20%)
All Causes	3.4 / 22 (15%)	2.1 / 22 ( 9%)	5.5 / 44 (12%)

1955-2000: NORWAY

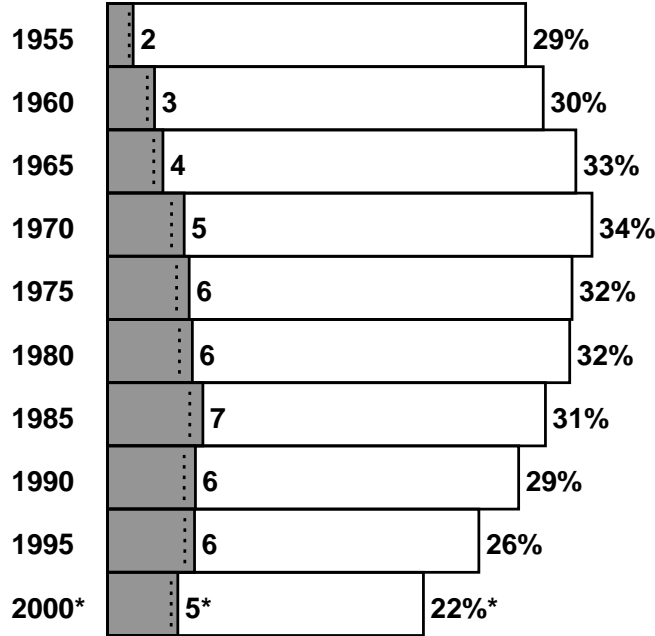
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

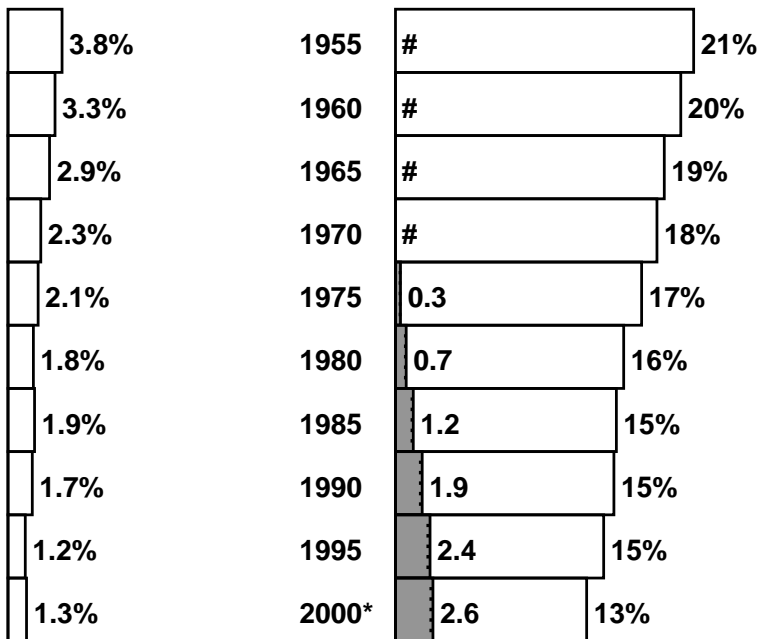
\*eg, at year 2000 male death rates, out of 100 men aged 35, 22 would die before age 70 (with 5 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

<b>NORWAY: 1950-2000</b>
--------------------------

**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/1.7	0.4/5.4 <b>( 7%)</b>	0.0/7.7 <b>(0.1%)</b>	0.4/15	-/1.1	0.0/4.0	0.0/9.2	0.0/14
1960	-/1.6	0.7/6.3 <b>(11%)</b>	0.1/9.2 <b>( 1%)</b>	0.8/17	-/0.9	0.0/4.1	0.0/10	0.0/15
1965	-/1.5	0.9/7.4 <b>(12%)</b>	0.3/10 <b>( 3%)</b>	1.2/19	-/0.8	0.0/4.2	0.0/11	0.0/16
1970	-/1.4	1.3/8.1 <b>(16%)</b>	0.6/12 <b>( 5%)</b>	1.9/21	-/0.7	0.0/4.3	0.0/12	0.0/17
1975	-/1.3	1.4/7.9 <b>(18%)</b>	0.9/13 <b>( 7%)</b>	2.3/22	-/0.6	0.1/4.1 <b>( 2%)</b>	0.0/13	0.1/18
1980	-/1.1	1.5/8.0 <b>(18%)</b>	1.3/13 <b>( 9%)</b>	2.7/23	-/0.5	0.2/3.8 <b>( 5%)</b>	0.0/14	0.2/19
1985	-/1.1	1.6/7.5 <b>(22%)</b>	1.8/15 <b>(12%)</b>	3.4/24	-/0.5	0.3/3.7 <b>( 8%)</b>	0.5/16 <b>( 3%)</b>	0.8/21
1990	-/1.1	1.4/6.9 <b>(21%)</b>	1.9/16 <b>(12%)</b>	3.4/24	-/0.5	0.4/3.6 <b>(12%)</b>	0.6/18 <b>( 3%)</b>	1.0/22
1995	-/0.8	1.3/5.9 <b>(23%)</b>	2.2/16 <b>(13%)</b>	3.5/23	-/0.4	0.5/3.3 <b>(16%)</b>	1.0/19 <b>( 5%)</b>	1.5/22
2000	-/0.9	1.2/5.3 <b>(22%)</b>	2.2/15 <b>(14%)</b>	3.4/22	-/0.4	0.6/3.1 <b>(19%)</b>	1.5/19 <b>( 8%)</b>	2.1/22

**50-year total\* (thousands), mid-1950 to mid-2000: 132 / 1940**

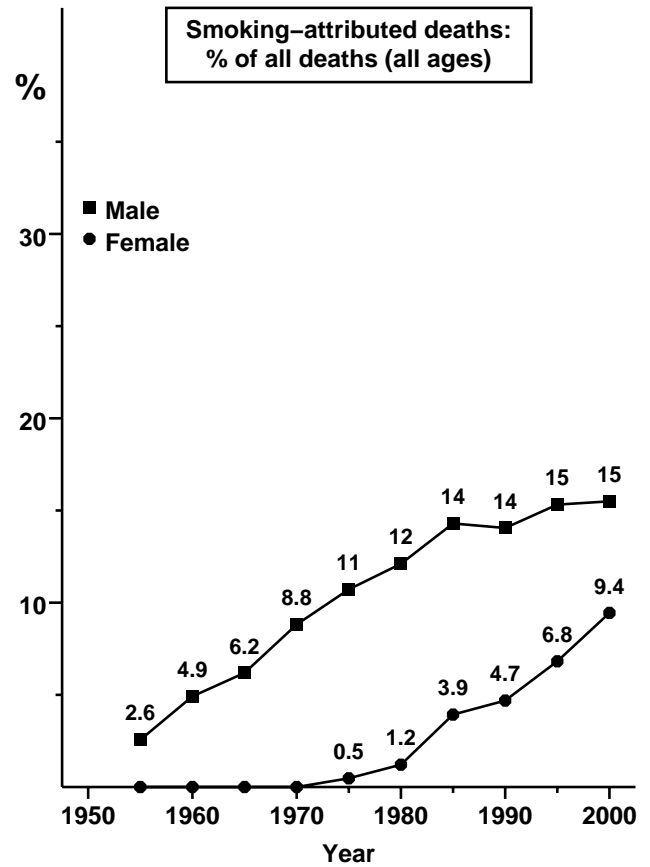
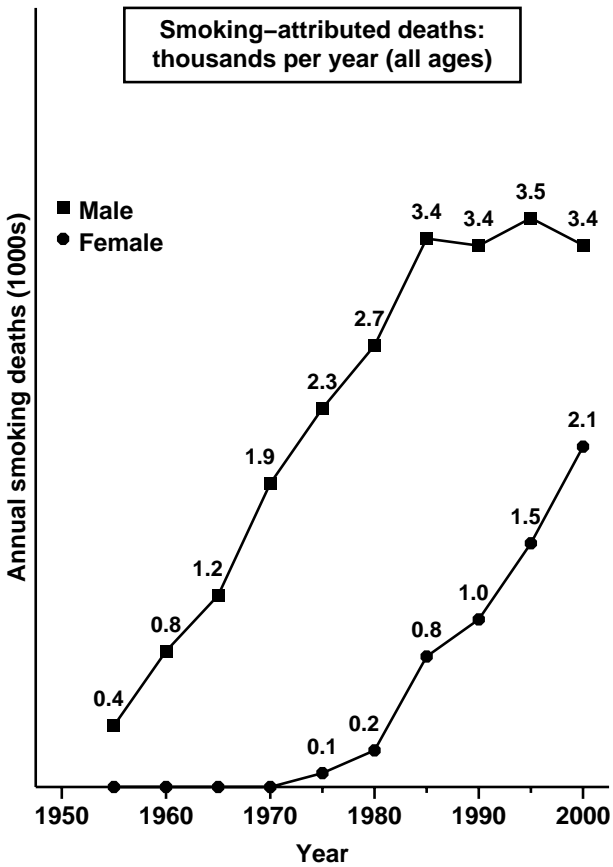
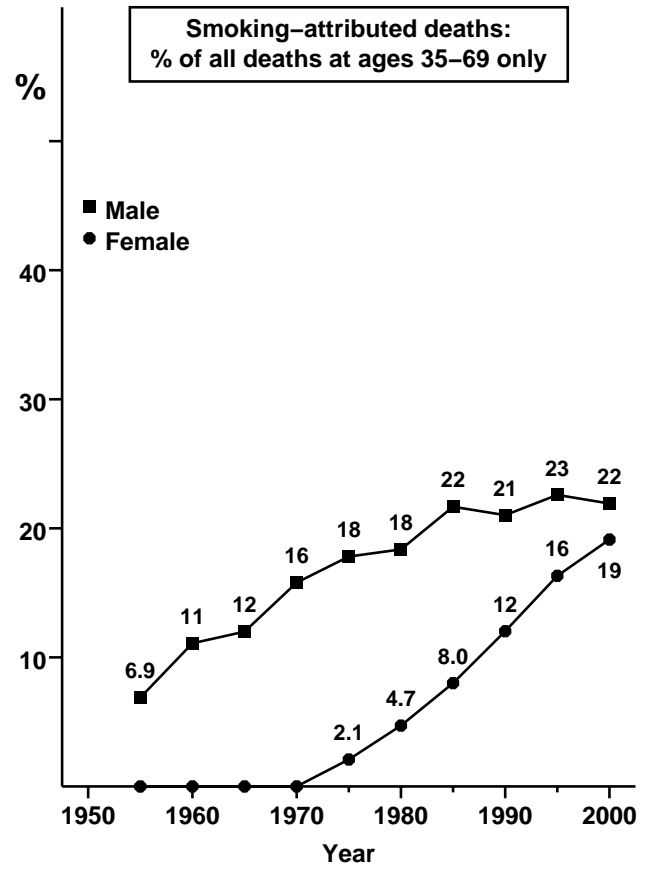
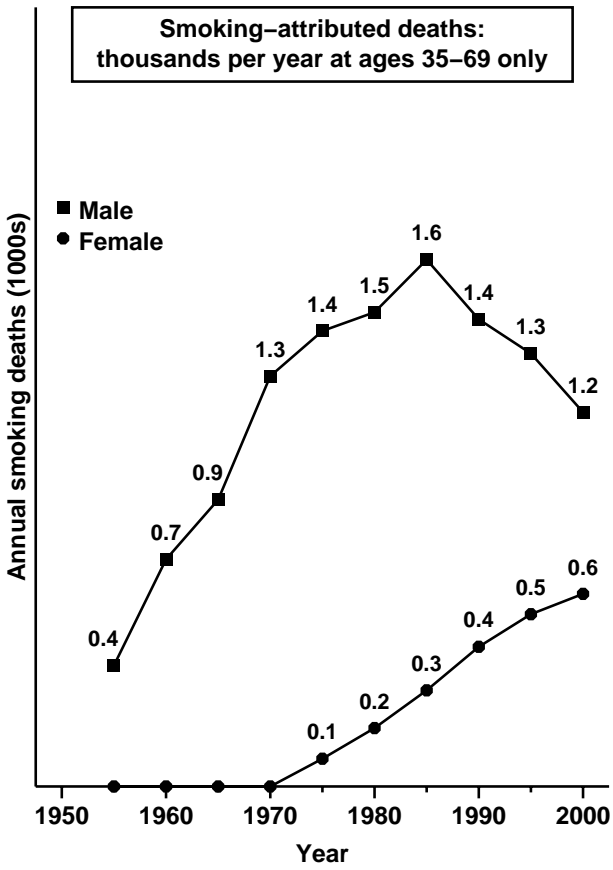
**1950-2000 by age & sex:**

-/64	57/343 <b>(16%)</b>	52/620 <b>( 8%)</b>	108/1027	-/34	9.2/193 <b>( 5%)</b>	15/686 <b>( 2%)</b>	24/913
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

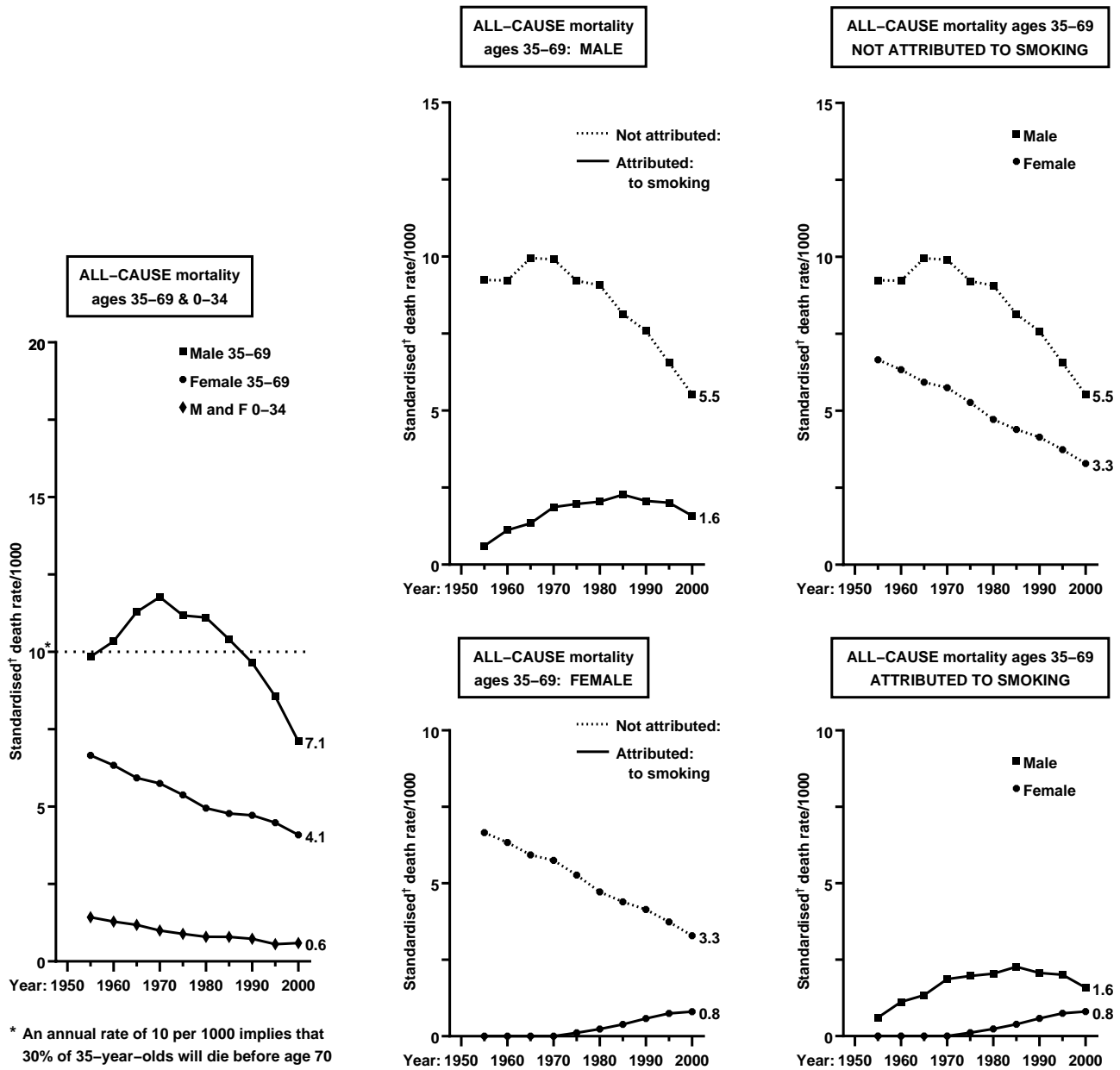


1955-2000: NORWAY



**NORWAY: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

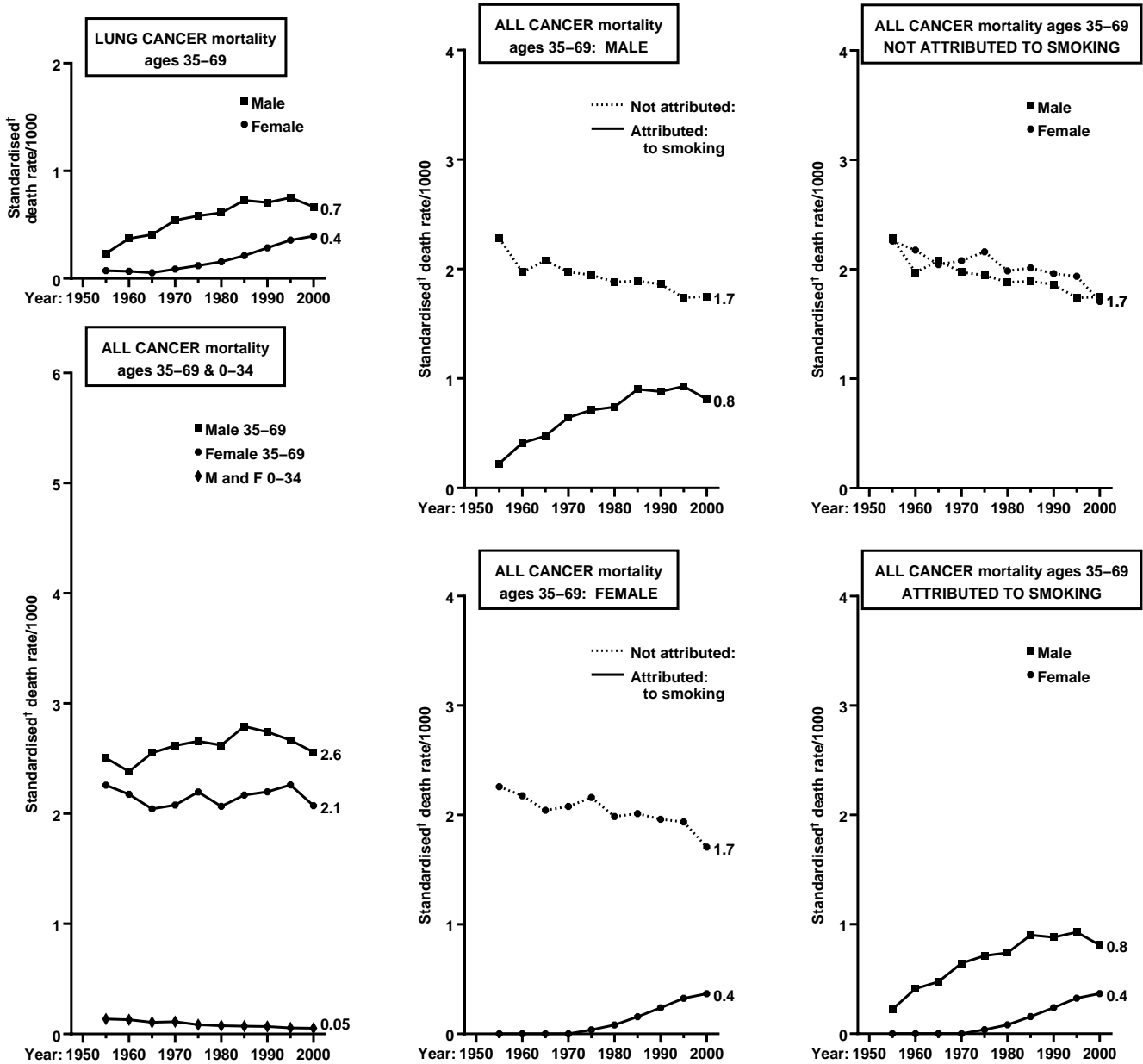
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	1.75	0.60	9.24	0.06	54.5	-	1.10	0.00	6.65	0.00	46.6	-	1.10	0.00	6.65	0.00	46.6
1960	-	1.61	1.12	9.22	1.11	57.4	-	0.95	0.00	6.33	0.00	46.5	-	0.95	0.00	6.33	0.00	46.5
1965	-	1.51	1.34	9.95	2.21	59.1	-	0.84	0.00	5.93	0.00	44.8	-	0.84	0.00	5.93	0.00	44.8
1970	-	1.33	1.86	9.90	4.12	61.5	-	0.66	0.00	5.75	0.00	42.4	-	0.66	0.00	5.75	0.00	42.4
1975	-	1.16	1.97	9.21	5.73	58.3	-	0.61	0.11	5.27	0.00	39.2	-	0.61	0.11	5.27	0.00	39.2
1980	-	1.07	2.04	9.07	6.89	54.5	-	0.51	0.23	4.72	0.25	35.3	-	0.51	0.23	4.72	0.25	35.3
1985	-	1.04	2.27	8.14	8.74	54.8	-	0.53	0.38	4.39	1.49	32.1	-	0.53	0.38	4.39	1.49	32.1
1990	-	0.97	2.06	7.58	8.82	50.7	-	0.49	0.58	4.14	1.67	30.9	-	0.49	0.58	4.14	1.67	30.9
1995	-	0.76	2.01	6.55	8.94	45.5	-	0.35	0.74	3.73	2.35	26.7	-	0.35	0.74	3.73	2.35	26.7
2000	-	0.81	1.58	5.52	7.99	37.4	-	0.37	0.80	3.28	3.68	22.4	-	0.37	0.80	3.28	3.68	22.4

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: NORWAY

ALL CANCER mortality rates attributed and not attributed to smoking



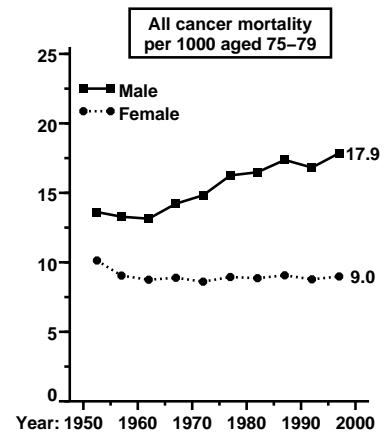
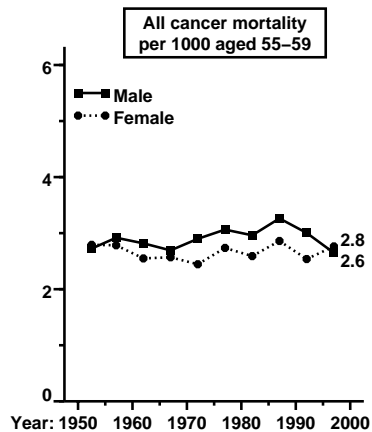
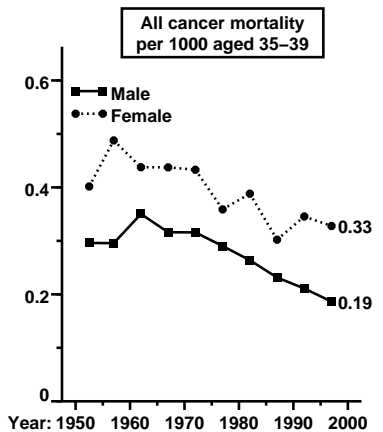
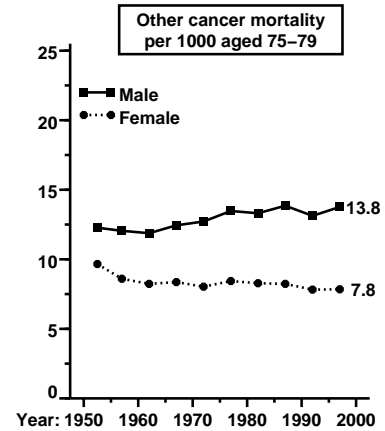
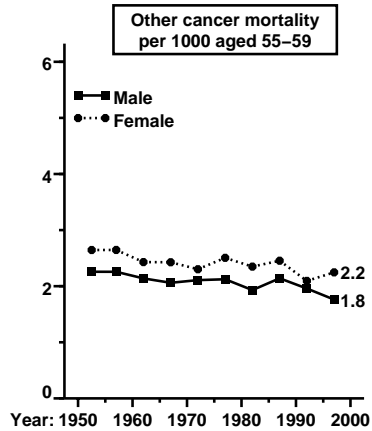
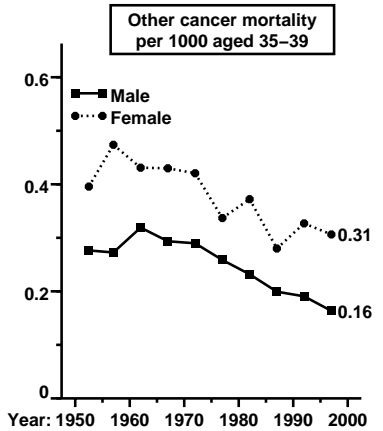
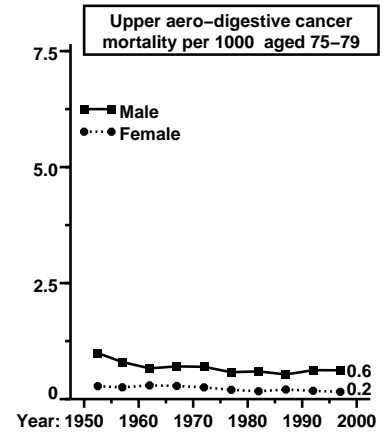
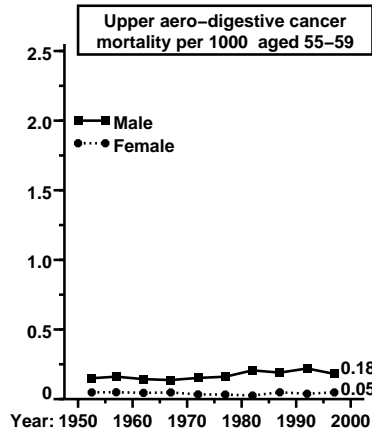
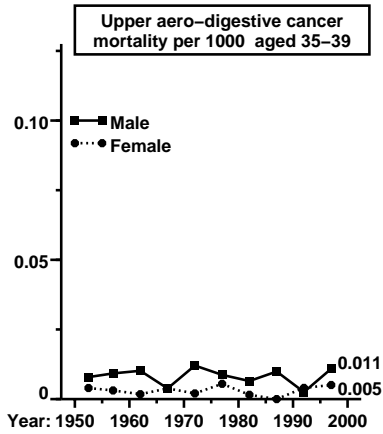
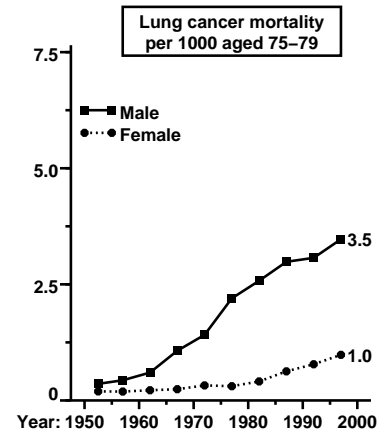
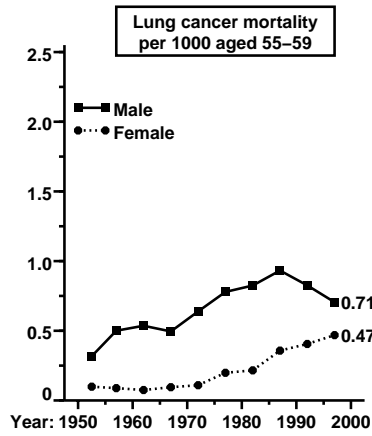
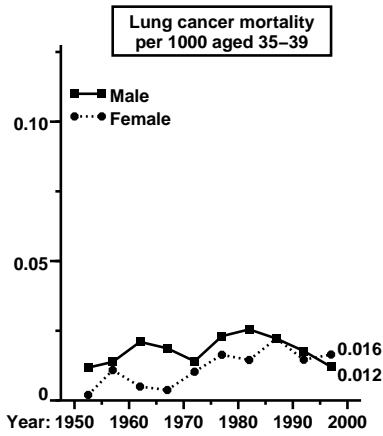
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	0.13	0.22	2.28	0.02	11.0	-	0.14	0.00	2.26	0.00	8.34		
1960	-	0.14	0.41	1.97	0.47	11.0	-	0.12	0.00	2.17	0.00	7.77		
1965	-	0.13	0.47	2.08	0.91	11.4	-	0.08	0.00	2.04	0.00	7.69		
1970	-	0.12	0.64	1.97	1.55	11.5	-	0.10	0.00	2.08	0.00	7.61		
1975	-	0.10	0.71	1.94	2.26	11.2	-	0.07	0.04	2.16	0.00	7.26		
1980	-	0.08	0.74	1.88	2.77	11.4	-	0.07	0.08	1.98	0.07	7.87		
1985	-	0.07	0.90	1.89	3.56	12.2	-	0.07	0.16	2.01	0.45	7.66		
1990	-	0.07	0.88	1.86	3.70	10.9	-	0.06	0.24	1.96	0.53	7.68		
1995	-	0.05	0.93	1.74	4.05	11.1	-	0.05	0.32	1.94	0.72	7.00		
2000	-	0.05	0.81	1.75	3.83	9.93	-	0.05	0.37	1.71	1.32	6.65		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**NORWAY: 1951-2000**

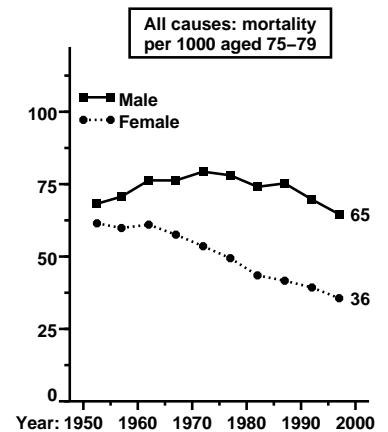
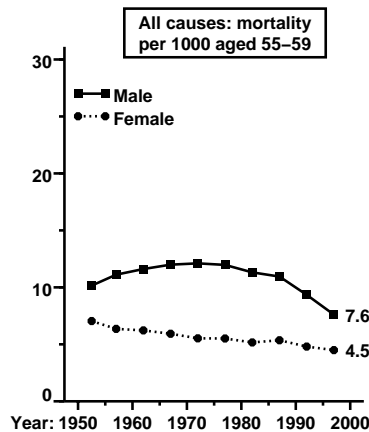
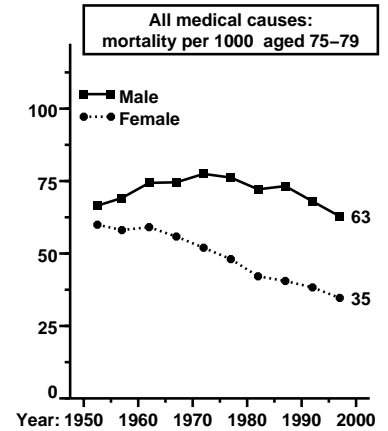
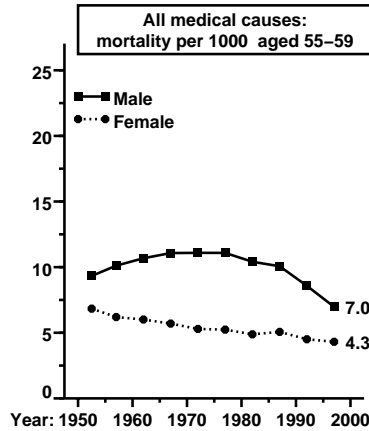
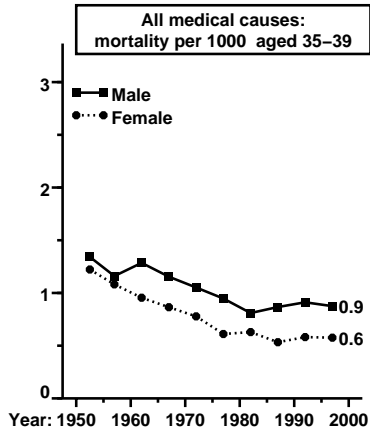
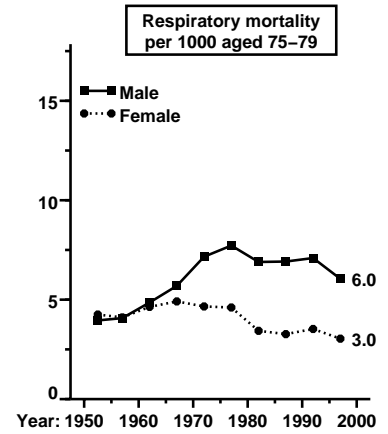
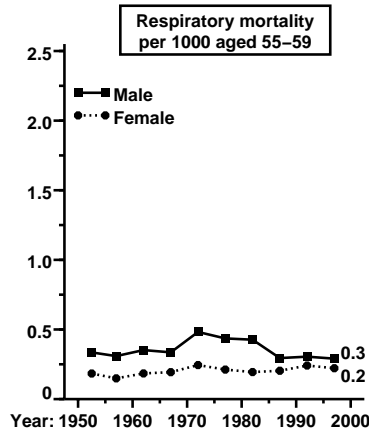
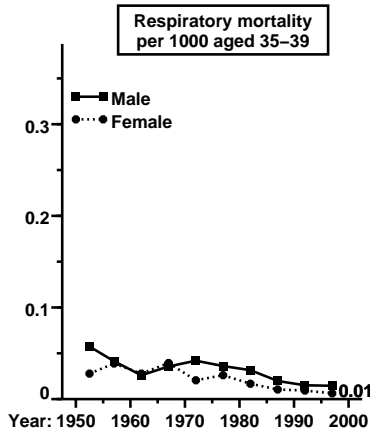
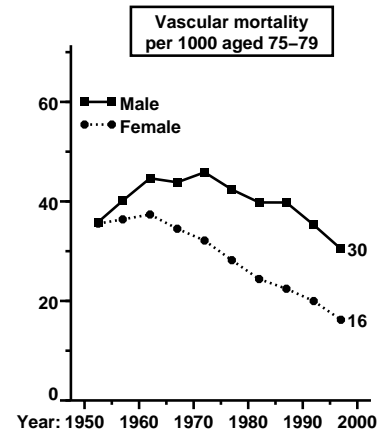
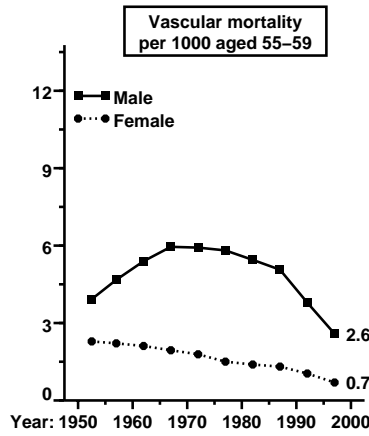
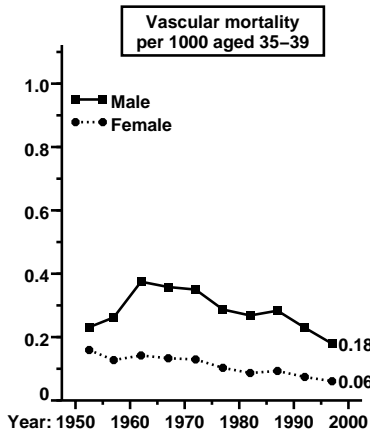
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 362-363

1951-2000: NORWAY

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 362-363

## POLAND: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	195390	10005	95195	1247.3	106.8	1521.2	193.9	20.6	23.5	73.5	119.5	132.6	184.1
	F	172638	4035	44182	698.4	48.1	609.8	159.4	13.2	13.8	28.8	30.5	37.7	53.5
Tuberculosis	M	828	22	554	5.0	0.2	8.0	-	-	-	-	0.1	0.3	1.3
	F	288	9	98	1.2	0.1	1.3	-	-	-	-	-	0.4	0.3
HIV	M	90	37	53	0.5	0.4	0.6	-	-	-	-	0.1	1.0	1.7
	F	25	17	8	0.1	0.2	0.1	-	-	-	0.1	0.1	0.7	0.4
Other infective and parasitic	M	646	130	333	4.1	1.6	5.2	7.9	0.4	0.4	0.2	0.4	1.2	0.9
	F	553	90	217	2.6	1.2	2.9	6.2	0.4	0.3	0.2	0.6	0.3	0.2
ALL CANCER	M	48019	674	27197	300.9	6.9	463.0	3.9	4.3	3.7	6.4	7.1	9.2	13.4
	F	36537	528	17787	158.8	5.8	242.1	4.1	2.7	1.7	3.9	4.9	8.0	14.9
Mouth and pharynx cancer	M	1359	10	1085	8.2	0.1	16.4	-	0.1	-	0.2	0.1	0.1	0.2
	F	331	4	173	1.5	0.0	2.3	-	-	-	0.1	0.1	0.1	-
Oesophagus cancer	M	1111	2	761	7.0	0.0	12.5	-	-	-	-	0.1	0.1	-
	F	271	2	116	1.2	0.0	1.6	-	-	-	-	-	0.1	0.1
Stomach cancer	M	3874	33	2032	24.4	0.4	34.7	-	-	-	-	0.2	0.6	1.7
	F	2162	21	806	8.9	0.2	11.2	-	-	-	0.1	-	0.6	0.9
Colorectal cancer	M	4373	19	2132	27.8	0.2	37.7	-	-	-	0.1	0.2	0.5	0.6
	F	4144	16	1509	17.1	0.2	21.5	-	-	-	0.1	0.1	0.1	1.0
Liver cancer	M	980	16	522	6.1	0.2	9.0	0.3	-	-	0.2	0.1	0.4	0.2
	F	1061	5	406	4.4	0.1	5.7	-	0.1	-	-	0.1	0.1	0.1
Pancreas cancer	M	1917	12	1202	11.8	0.1	19.5	-	-	-	-	-	0.1	0.8
	F	1847	4	782	7.8	0.0	11.2	-	-	-	-	0.1	0.1	0.2
Larynx cancer	M	1465	1	1076	9.1	0.0	17.9	-	-	-	-	0.1	-	-
	F	165	-	100	0.8	-	1.3	-	-	-	-	-	-	-
Lung cancer	M	15984	16	10009	99.2	0.2	173.9	-	-	0.1	-	0.2	0.4	0.5
	F	4018	10	2357	18.1	0.1	32.1	-	-	-	0.1	0.1	0.3	0.3
Malignant melanoma	M	463	18	290	2.8	0.2	4.3	-	0.1	-	0.1	0.2	0.4	0.6
	F	465	14	259	2.1	0.2	3.3	0.1	-	-	0.1	0.3	-	0.7
Female breast cancer	F	4712	33	2873	21.5	0.4	37.7	-	-	-	-	0.1	0.3	2.3
Cervix cancer	F	1987	38	1384	9.3	0.4	17.2	-	-	-	-	0.3	0.7	2.0
Other uterine cancer	F	1268	3	629	5.5	0.0	8.9	-	-	-	-	0.1	0.1	0.1
Ovarian cancer	F	2053	25	1343	9.5	0.3	18.0	-	0.1	-	0.2	0.2	0.5	0.8
Prostate cancer	M	3147	1	850	21.1	0.0	16.2	-	-	-	0.1	-	-	-
Bladder cancer	M	2000	3	861	12.9	0.0	15.6	-	0.1	-	-	-	0.1	0.1
	F	493	3	144	2.0	0.0	2.0	-	-	-	-	-	-	0.3
Other and ill-defined cancer sites	M	8707	325	4979	54.1	3.3	82.3	2.7	2.6	1.9	3.1	3.3	4.5	5.3
	F	9338	214	3938	39.7	2.3	54.4	2.5	1.9	1.3	2.0	1.7	2.5	4.4
Hodgkin's disease	M	217	29	133	1.2	0.3	1.9	-	-	0.1	0.2	0.4	0.4	0.9
	F	154	28	71	0.7	0.3	0.9	-	-	-	0.2	0.5	0.8	0.5
Myeloma and non-Hodgkin lymphomas	M	1198	45	691	7.4	0.5	11.4	0.1	0.2	0.5	0.4	0.6	0.3	1.1
	F	1016	31	475	4.4	0.3	6.8	0.1	0.2	-	0.2	0.7	0.7	0.4
Leukaemia	M	1224	144	574	7.5	1.4	9.6	0.8	1.2	1.3	2.2	1.7	1.4	1.5
	F	1052	77	422	4.5	0.8	5.8	1.3	0.5	0.4	0.9	0.8	1.2	0.8
Diabetes	M	2045	35	1058	12.9	0.4	17.5	-	0.1	0.1	-	0.2	0.8	1.5
	F	3145	14	955	12.6	0.1	14.0	-	0.1	0.1	0.1	0.1	0.2	0.4
ALL VASCULAR DISEASE	M	83678	595	34743	555.4	6.3	583.0	2.9	0.7	1.3	2.7	6.1	9.2	21.0
	F	91729	228	15005	353.2	2.5	215.7	2.3	0.6	0.8	1.5	2.0	3.6	6.7
Rheumatic heart disease and fever	M	568	12	340	3.5	0.1	5.6	0.1	0.1	-	-	0.1	0.3	0.4
	F	743	1	349	3.2	0.0	5.0	-	-	-	0.1	-	-	-
Hypertensive disease	M	1888	9	962	12.1	0.1	16.0	-	-	-	-	0.1	0.1	0.4
	F	2807	2	635	11.0	0.0	9.2	-	-	-	-	-	-	0.2
Ischaemic heart disease	M	30972	102	15897	199.6	1.1	263.2	-	-	-	0.1	0.6	1.5	5.7
	F	24603	18	5008	95.7	0.2	72.7	-	-	-	-	-	0.5	0.9
Pulmonary embolism and other venous	M	1386	27	715	8.6	0.3	11.8	-	0.2	-	0.1	0.4	0.6	0.7
	F	1357	14	513	5.6	0.1	7.2	-	0.1	-	0.1	0.2	0.3	0.4
Cerebrovascular disease	M	17867	154	7029	118.0	1.6	120.4	0.7	0.2	0.5	0.4	1.8	2.3	5.4
	F	23576	80	4553	91.3	0.9	64.7	0.4	0.1	0.4	0.3	0.6	1.7	2.7
Other vascular disease	M	30997	291	9800	213.5	3.0	166.2	2.1	0.3	0.7	2.1	3.1	4.5	8.4
	F	38643	113	3947	146.3	1.2	56.9	1.9	0.4	0.4	1.1	1.2	1.2	2.5
Chronic obstructive pulmonary disease	M	5252	24	1833	34.3	0.2	34.2	0.3	0.1	0.1	0.3	0.2	0.2	0.6
	F	2295	11	710	9.3	0.1	10.4	0.1	0.1	-	0.1	0.2	0.1	0.3
Other respiratory disease	M	5239	200	1633	35.8	2.3	26.7	7.4	0.9	0.3	1.3	1.2	1.8	3.2
	F	5524	128	772	21.5	1.5	10.8	4.7	0.5	0.6	0.9	0.6	1.4	1.9
Peptic ulcer	M	875	12	478	5.5	0.1	7.2	-	0.1	-	-	0.1	0.2	0.6
	F	649	6	162	2.5	0.1	2.2	-	-	-	-	0.1	0.1	0.3
Liver cirrhosis	M	3846	111	3121	22.3	1.2	43.6	0.1	-	-	0.1	0.5	2.0	5.8
	F	1571	47	961	7.3	0.5	12.4	0.1	-	0.1	0.1	0.1	0.9	2.3
Renal disease	M	1920	36	729	12.8	0.4	12.1	0.6	-	-	0.2	0.2	0.8	0.9
	F	1930	38	531	7.7	0.4	7.5	0.4	0.1	-	0.2	0.4	0.7	1.2
Pregnancy, birth	F	30	17	13	0.2	0.2	0.1	-	-	-	-	0.3	0.6	0.3
Congenital and perinatal causes	M	1607	1542	55	12.0	20.9	0.7	140.3	1.8	1.1	1.1	0.4	0.8	0.7
	F	1293	1223	52	10.1	17.5	0.6	118.2	1.4	1.2	0.6	0.5	0.3	0.5
Ill-defined causes	M	13757	717	7253	89.0	7.6	104.4	7.7	0.6	0.9	3.9	9.0	10.9	20.0
	F	12303	214	1891	48.5	2.5	25.0	7.3	0.6	0.4	1.8	1.5	2.5	3.5
Other medical causes	M	8556	611	4756	52.5	6.6	69.9	9.6	2.8	2.9	4.4	4.4	7.6	14.2
	F	8035	344	2593	33.3	3.8	35.3	6.9	1.7	2.5	3.0	3.5	3.8	5.2
ALL NON-MEDICAL CAUSES	M	19032	5259	11399	104.3	51.7	145.2	13.2	8.8	12.7	53.0	89.5	86.4	98.3
	F	6731	1121	2427	29.5	11.6	29.3	9.1	5.1	5.9	16.2	15.6	14.1	14.9
Road traffic accidents	M	4976	1925	2591	26.4	18.6	33.2	3.2	3.6	4.5	21.4	36.8	33.1	27.6
	F	1441	503	606	6.7	5.0	7.5	1.7	3.5	2.7	9.2	7.2	6.0	4.8
Fire	M	316	40	227	1.8	0.4	3.0	0.2	0.2	0.2	0.3	0.5	0.4	1.1
	F	102	12	34	0.4	0.1	0.4	0.2	0.1	0.1	-	0.2	0.1	0.3
Suicide	M	4869	1375	3142	26.0	13.4	39.0	-	-	2.5	14.0	25.0	23.5	28.6
	F	972	197	641	4.6	2.0	7.4	-	-	0.6	2.7	3.3	3.1	4.1
Homicide	M	586	174	366	3.2	1.8	4.5	1.0	0.2	0.1	0.9	2.5	3.6	4.2
	F	214	62	125	1.1	0.7	1.4	1.0	0.1	0.1	0.8	0.7	0.9	1.2
POPULATION:			M=male											
(1000s; UN, 2004 revision)			F=female											
					18779	9818	7870	1038	1269	1500	1717	1630	1428	1236
					19870	9408	8486	983	1208	1429	1648	1568	138	

## 2000: POLAND

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
291.5	482.1	752.7	1142.4	1690.3	2546.0	3743.4	5478.3	7989.9	15180.1	M	ALL CAUSES	001-999/A00-Y89
92.3	169.9	286.6	442.0	659.2	986.0	1632.5	2766.8	4934.7	13398.0	F		
1.8	4.2	6.3	9.4	8.1	13.4	13.0	19.3	21.1	35.0	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.4	0.8	1.3	0.5	1.3	1.9	2.5	4.3	10.6	15.1	F		
1.8	0.8	0.6	0.3	0.3	0.1	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.2	0.2	0.2	-	-	-	-	-	-	-	F		
1.0	1.8	2.9	4.2	6.2	8.8	11.7	15.0	15.6	22.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.5	1.4	1.6	1.9	3.3	5.1	6.6	9.1	12.1	18.1	F		
27.2	71.0	157.7	303.9	542.5	897.4	1241.4	1654.5	1991.8	2087.9	M	ALL CANCER	140-208/C00-C97
33.0	72.4	131.3	211.4	297.3	397.4	552.2	717.2	951.8	1208.8	F		
1.4	4.9	11.7	19.8	24.8	25.3	27.3	21.5	26.6	27.1	M	Mouth and pharynx cancer	140-149/C00-C14
0.2	1.2	1.5	2.5	3.7	3.8	3.1	5.0	7.0	13.0	F		
0.1	2.0	5.4	11.5	18.7	25.6	24.2	30.1	27.2	42.9	M	Oesophagus cancer	150/C15
-	0.5	0.8	1.6	1.9	2.6	3.6	4.9	7.0	13.0	F		
2.5	5.5	11.2	21.4	39.8	67.6	95.0	142.7	187.7	188.5	M	Stomach cancer	151/C16
1.3	3.7	5.1	6.7	10.7	19.3	31.4	49.8	66.1	97.0	F		
1.9	3.8	10.1	17.9	37.6	72.4	120.3	159.9	242.1	251.0	M	Colorectal cancer	153, 154/C18-C21
2.0	3.4	7.0	13.4	25.1	39.4	60.5	93.9	132.7	192.8	F		
0.6	1.8	2.4	4.9	8.4	18.7	26.1	32.5	49.8	45.9	M	Liver cancer	155.0/C22 excl C221
0.5	0.9	2.1	4.0	6.4	9.4	16.9	24.5	34.1	44.6	F		
2.0	5.0	8.9	15.9	24.4	34.7	45.4	57.4	75.1	65.6	M	Pancreas cancer	157/C25
0.4	1.3	3.7	7.3	15.2	20.8	30.1	39.3	57.6	71.7	F		
0.7	2.5	7.3	15.2	25.6	34.8	39.1	36.3	37.2	31.5	M	Larynx cancer	161/C32
0.2	0.5	0.6	1.9	2.6	1.7	1.9	3.6	2.4	3.8	F		
4.3	18.8	49.2	108.5	206.9	352.8	476.9	589.6	563.8	419.3	M	Lung cancer	162/C33, C34
2.2	7.6	18.0	32.4	42.1	51.6	71.2	76.3	90.3	87.2	F		
1.4	2.0	3.5	3.7	4.9	6.5	7.8	10.8	15.3	20.6	M	Malignant melanoma	172/C43
1.2	2.3	2.3	3.6	4.6	3.8	5.2	7.7	10.1	12.4	F		
7.1	14.0	28.2	41.9	51.2	56.0	65.5	69.3	95.5	121.3	F	Female breast cancer	174/C50
5.5	11.7	16.4	19.6	20.1	23.8	23.6	26.4	29.9	30.5	F	Cervix cancer	180/C53
0.5	1.6	3.2	6.1	12.1	15.4	23.7	30.3	33.5	33.7	F	Other uterine cancer	179, 182/C54, C55
2.8	5.9	11.4	18.2	23.7	28.7	35.1	35.4	35.3	32.8	F	Ovarian cancer	183/C56, C570-C574
0.1	0.4	0.9	3.8	13.0	33.0	62.2	133.5	234.4	355.9	M	Prostate cancer	185/C61
0.3	1.0	2.5	6.6	15.5	33.5	50.0	84.9	106.5	145.6	M	Bladder cancer	188/C67
0.1	0.2	1.0	1.2	1.5	3.9	6.3	9.4	18.6	29.0	F		
8.1	17.2	34.9	60.1	97.8	148.9	209.3	276.4	319.3	384.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
7.1	14.2	25.6	41.6	61.6	93.9	136.9	192.7	272.0	360.8	F		
1.2	1.2	1.4	1.3	1.9	3.2	3.0	4.7	6.1	4.4	M	Hodgkin's disease	201/C81
0.2	0.3	0.6	1.1	1.2	1.7	1.4	2.8	2.9	2.6	F		
1.0	2.6	4.2	8.7	13.1	23.5	27.1	38.9	51.0	38.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.3	1.1	1.5	4.3	6.9	13.5	19.0	25.6	29.2	22.2	F	Leukaemia	204-208/C91-C95
1.7	2.4	4.0	4.5	10.0	16.9	27.7	35.3	49.8	67.3	M		
0.7	2.1	2.3	4.1	6.8	8.0	16.9	20.3	27.6	40.5	F		
2.2	3.8	7.6	11.5	18.4	31.2	48.2	68.4	98.9	114.6	M	Diabetes	250/E10-E14
0.9	1.5	2.6	6.0	12.4	23.6	51.0	78.6	112.0	157.4	F		
49.2	115.7	225.6	396.1	629.7	1004.9	1659.8	2607.3	4185.3	9044.6	M	ALL VASCULAR DISEASE	390-459/I00-199
15.9	32.4	63.1	114.9	195.3	366.7	721.4	1448.8	2891.9	8796.6	F		
0.3	1.3	2.3	4.8	7.3	9.3	13.8	19.3	20.5	20.1	M	Rheumatic heart disease and fever	390-398/I00-109
0.2	0.8	1.5	3.5	6.0	8.5	14.5	18.3	22.9	19.0	F		
1.1	3.0	7.1	11.4	19.8	29.9	39.5	62.3	83.6	135.5	M	Hypertensive disease	401-405/I10-I15
0.2	1.0	1.9	7.0	9.1	16.4	28.3	51.7	97.3	215.4	F		
20.3	54.5	111.6	200.7	307.8	448.8	698.4	958.3	1357.4	2361.6	M	Ischaemic heart disease	410-414/I20-I25
3.6	8.7	19.5	33.5	66.2	134.1	243.3	449.7	802.0	2056.1	F		
1.5	2.8	5.2	8.2	12.1	19.7	32.7	49.2	68.7	68.2	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.1	1.3	3.0	3.9	8.1	13.1	20.2	29.8	44.1	58.7	F		
9.8	20.2	39.8	72.0	121.3	212.1	367.3	601.3	999.1	1834.3	M	Cerebrovascular disease	430-438/I60-I69
6.3	12.1	21.4	39.7	61.3	100.1	211.6	426.8	840.8	1927.9	F		
16.2	33.9	59.6	99.0	161.4	285.1	507.9	917.0	1656.0	4624.8	M	Other vascular disease	Rest of 390-459/ rest of I00-199
4.5	8.4	15.7	27.3	44.6	94.5	203.3	472.6	1084.9	4519.5	F		
0.7	2.0	3.5	10.0	30.3	68.3	124.5	233.4	336.7	456.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.7	0.9	2.3	6.0	12.9	16.1	33.7	54.1	74.3	126.0	F		
4.5	10.0	11.8	14.5	23.5	43.5	78.9	145.3	273.8	757.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.1	3.0	4.1	5.8	11.8	15.3	33.8	63.4	154.8	592.7	F		
1.3	3.1	4.9	7.7	6.2	10.5	16.6	21.7	36.6	65.2	M	Peptic ulcer	531-533/K25-K27
0.3	0.8	1.0	1.9	1.4	2.6	7.4	11.8	22.9	45.8	F		
14.6	29.0	40.4	45.7	55.9	58.7	60.9	57.4	59.5	49.0	M	Liver cirrhosis	571/K70, K74
3.0	7.2	8.7	13.9	18.6	17.2	18.4	25.9	31.0	29.6	F		
1.6	2.8	5.6	7.5	11.5	20.6	34.8	58.2	94.3	233.9	M	Renal disease	580-590/N00-N19
1.0	1.4	2.6	4.2	7.1	11.7	24.9	37.1	65.3	122.8	F		
0.7	0.2	0.1	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.3	1.0	0.9	0.5	0.7	0.6	0.7	0.6	1.5	0.9	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.8	0.4	0.7	0.5	0.7	0.2	1.0	1.1	1.0	0.6	F	Ill-defined causes	780-799/R00-R99
35.0	59.2	82.4	106.7	123.6	150.3	173.9	230.7	377.3	1450.4	M		
5.8	11.4	17.1	20.9	28.9	38.7	52.0	107.1	235.7	1480.3	F		
25.1	38.3	49.1	64.1	81.8	93.5	137.2	211.1	294.0	479.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
6.6	11.3	19.2	26.4	39.8	54.3	89.8	151.1	254.7	429.3	F		
125.2	139.4	153.6	160.2	151.7	144.1	142.1	155.6	203.6	382.6	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
20.4	24.4	30.8	27.7	28.5	35.4	38.1	57.2	116.7	375.1	F		
32.5	28.9	32.6	38.0	32.4	33.0	35.3	35.2	43.3	56.8	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
5.5	6.2	6.3	6.3	7.7	9.5	10.6	12.5	20.1	19.8	F		
1.4	2.3	3.5	3.6	3.2	3.0	3.9	3.6	5.2	5.7	M	Fire	E890-E899/X00-X09
0.2	0.2	0.4	0.6	0.4	0.5	0.8	0.8	3.1	5.6	F		
35.9	42.0	43.8	44.0	43.0	35.2	29.1	27.7	34.5	39.8	M	Suicide	E950-E959/X60-X84
6.7	6.9	10.8	6.5	6.9	7.5	6.5	5.9	8.8	5.8	F		
4.9	5.1	4.6	5.0	4.8	3.0	4.3	4.5	2.7	5.7	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.6	1.8	1.2	1.9	1.1	1.5	1.1	0.6	1.3	2.6	F		
1322	1586	1531	1214	753	770	693	535	328	229	M	POPULATION	
1302	1589	1577	1294	856	944	924	833	613	531	F	(1000s; UN, 2004 revision)	

## POLAND: 1995, 2000

## Male smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	13264	828	36	13	779	27	257	839	138	4837	6338
35-69	Sm.	43231	16429	10565	2359	3505	1701	572	17287	-	7242	-
	Total	105248	28404	11049	3083	14272	1991	1343	41601	2741	16180	12988
		(41%)	(58%)	(96%)	(77%)	(25%)	(85%)	(43%)	(42%)		(45%)	
70+	Sm.	17341	6290	4236	587	1467	2098	250	7136	-	1567	-
	Total	87174	15694	4601	937	10156	2796	1881	52004	536	12124	2139
		(20%)	(40%)	(92%)	(63%)	(14%)	(75%)	(13%)	(14%)		(13%)	
Any age	Sm.	60572	22719	14801	2946	4972	3799	822	24423	-	8809	-
	Total	205686	44926	15686	4033	25207	4814	3481	94444	3415	33141	21465
		(29%)	(51%)	(94%)	(73%)	(20%)	(79%)	(24%)	(26%)		(27%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	10005	674	16	13	645	24	200	595	111	3142	5259
35-69	Sm.	36555	14835	9513	2157	3165	1542	628	13335	-	6215	-
	Total	95195	27197	10009	2922	14266	1833	1633	34743	3121	15269	11399
		(38%)	(55%)	(95%)	(74%)	(22%)	(84%)	(38%)	(38%)		(41%)	
70+	Sm.	20337	8226	5523	650	2053	2613	483	7243	-	1772	-
	Total	90190	20148	5959	1000	13189	3395	3406	48340	614	11913	2374
		(23%)	(41%)	(93%)	(65%)	(16%)	(77%)	(14%)	(15%)		(15%)	
Any age	Sm.	56892	23061	15036	2807	5218	4155	1111	20578	-	7987	-
	Total	195390	48019	15984	3935	28100	5252	5239	83678	3846	30324	19032
		(29%)	(48%)	(94%)	(71%)	(19%)	(79%)	(21%)	(25%)		(26%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Male death rates used for calculations: ICD codes as on previous page

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>														
1995		18782	10178	7672	1624	1587	1280	815	865	820	681	466	219	247
2000		18779	9818	7870	1322	1586	1531	1214	753	770	693	535	328	229
<b>NUMBER OF DEATHS (Source: WHO)</b>														
<b>All causes</b>														
1995		205686	13264	105248	5984	9192	11192	10854	16908	23436	27682	27457	19031	40686
2000		195390	10005	95195	3854	7648	11524	13865	12735	19612	25957	29298	26175	34717
<b>Lung cancer</b>														
1995		15686	36	11049	109	357	734	1080	2160	3134	3475	2570	1096	935
2000		15984	16	10009	57	298	753	1317	1559	2718	3307	3153	1847	959
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
<b>All causes</b>														
1995		1394.5*	139.0*	1718.5*	368.6	579.3	874.1	1331.3	1955.6	2856.7	4064.3	5898.4	8693.9	16458.7
2000		1247.3*	106.8*	1521.2*	291.5	482.1	752.7	1142.4	1690.3	2546.0	3743.4	5478.3	7989.9	15180.1
<b>All cancer</b>														
1995		301.3*	8.4*	491.9*	33.0	79.0	177.1	350.4	601.8	924.1	1278.2	1579.8	1770.7	1805.8
2000		300.9*	6.9*	463.0*	27.2	71.0	157.7	303.9	542.5	897.4	1241.4	1654.5	1991.8	2087.9
<b>Lung cancer</b>														
1995		104.2*	0.4*	194.4*	6.7	22.5	57.3	132.5	249.8	382.0	510.2	552.1	500.7	378.2
2000		99.2*	0.2*	173.9*	4.3	18.8	49.2	108.5	206.9	352.8	476.9	589.6	563.8	419.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>														
1995		26.9*	0.1*	51.5*	3.3	10.5	28.3	57.3	71.5	90.0	99.5	94.3	107.4	106.4
2000		24.4*	0.1*	46.8*	2.1	9.3	24.4	46.6	69.2	85.7	90.6	87.9	91.0	101.4
<b>Other cancer</b>														
1995		170.3*	7.9*	246.0*	23.0	46.0	91.5	160.7	280.5	452.1	668.5	933.4	1162.6	1321.2
2000		177.3*	6.6*	242.3*	20.8	42.9	84.1	148.9	266.4	458.9	673.9	977.0	1337.0	1567.1
<b>Chronic obstructive pulmonary disease (COPD)</b>														
1995		34.0*	0.3*	37.2*	1.0	1.3	5.1	12.9	28.3	70.5	141.1	225.6	304.7	436.5
2000		34.3*	0.2*	34.2*	0.7	2.0	3.5	10.0	30.3	68.3	124.5	233.4	336.7	456.5
<b>Other respiratory disease</b>														
1995		24.3*	2.8*	21.6*	6.0	8.9	12.4	14.7	20.6	31.2	57.6	101.8	167.2	421.1
2000		35.8*	2.3*	26.7*	4.5	10.0	11.8	14.5	23.5	43.5	78.9	145.3	273.8	757.3
<b>Vascular disease</b>														
1995		670.1*	8.8*	712.4*	73.1	154.5	283.5	480.9	783.9	1267.6	1943.2	3189.5	5169.9	10453.1
2000		555.4*	6.3*	583.0*	49.2	115.7	225.6	396.1	629.7	1004.9	1659.8	2607.3	4185.3	9044.6
<b>Liver cirrhosis</b>														
1995		21.3*	1.5*	41.2*	14.7	23.3	32.0	43.5	50.4	60.6	63.7	57.6	57.1	57.8
2000		22.3*	1.2*	43.6*	14.6	29.0	40.4	45.7	55.9	58.7	60.9	57.4	59.5	49.0
<b>Other medical causes</b>														
1995		221.3*	52.7*	244.3*	90.0	139.0	183.2	230.7	288.0	350.1	429.5	584.5	1022.4	2898.5
2000		194.3*	38.2*	225.6*	70.1	115.0	160.2	211.9	256.8	329.1	436.0	624.9	939.3	2402.3
<b>All non-medical causes</b>														
1995		122.2*	64.5*	169.9*	150.8	173.3	180.8	198.1	182.5	152.7	151.1	159.6	201.9	385.9
2000		104.3*	51.7*	145.2*	125.2	139.4	153.6	160.2	151.7	144.1	142.1	155.6	203.6	382.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994



## 1995, 2000: POLAND

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5931	685	15	6	664	23	171	342	30	3306	1374
35-69	Sm.	5626	1807	1383	142	282	317	78	2458	-	966	-
	Total	49037	17695	2025	394	15276	585	588	19409	918	7264	2578
		(11%)	(10%)	(68%)	(36%)	(2%)	(54%)	(13%)	(13%)		(13%)	
70+	Sm.	5231	1085	800	113	172	576	76	2758	-	736	-
	Total	125430	14788	1310	400	13078	1245	2325	80515	532	22674	3351
		(4%)	(7%)	(61%)	(28%)	(1%)	(46%)	(3%)	(3%)		(3%)	
Any age	Sm.	10857	2892	2183	255	454	893	154	5216	-	1702	-
	Total	180398	33168	3350	800	29018	1853	3084	100266	1480	33244	7303
		(6%)	(9%)	(65%)	(32%)	(2%)	(48%)	(5%)	(5%)		(5%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4035	528	10	6	512	11	128	228	47	1972	1121
35-69	Sm.	5948	2196	1700	160	336	413	117	2205	-	1017	-
	Total	44182	17787	2357	389	15041	710	772	15005	961	6520	2427
		(13%)	(12%)	(72%)	(41%)	(2%)	(58%)	(15%)	(15%)		(16%)	
70+	Sm.	5832	1374	1033	112	229	765	161	2800	-	732	-
	Total	124421	18222	1651	372	16199	1574	4624	76496	563	19759	3183
		(5%)	(8%)	(63%)	(30%)	(1%)	(49%)	(3%)	(4%)		(4%)	
Any age	Sm.	11780	3570	2733	272	565	1178	278	5005	-	1749	-
	Total	172638	36537	4018	767	31752	2295	5524	91729	1571	28251	6731
		(7%)	(10%)	(68%)	(35%)	(2%)	(51%)	(5%)	(5%)		(6%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	19813	9763	8325	1603	1599	1321	883	987	993	939	755	396	575
2000	19870	9408	8486	1302	1589	1577	1294	856	944	924	833	613	531
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	180398	5931	49037	1853	3171	4224	4127	6806	11225	17631	23908	21811	79711
2000	172638	4035	44182	1202	2700	4520	5719	5643	9310	15088	23034	30230	71157
<b>Lung cancer</b>													
1995	3350	15	2025	35	124	216	244	310	493	603	587	327	396
2000	4018	10	2357	29	120	284	419	360	487	658	635	553	463
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	767.5*	65.8*	685.6*	115.6	198.3	319.7	467.6	689.4	1131.0	1877.4	3165.8	5513.4	13874.8
2000	698.4*	48.1*	609.8*	92.3	169.9	286.6	442.0	659.2	986.0	1632.5	2766.8	4934.7	13398.0
<b>All cancer</b>													
1995	155.9*	7.3*	245.1*	40.2	81.2	143.9	210.5	279.8	400.0	560.2	715.2	897.1	1016.2
2000	158.8*	5.8*	242.1*	33.0	72.4	131.3	211.4	297.3	397.4	552.2	717.2	951.8	1208.8
<b>Lung cancer</b>													
1995	16.2*	0.2*	28.5*	2.2	7.8	16.3	27.6	31.4	49.7	64.2	77.7	82.7	68.9
2000	18.1*	0.1*	32.1*	2.2	7.6	18.0	32.4	42.1	51.6	71.2	76.3	90.3	87.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.7*	0.1*	5.5*	0.8	1.3	3.2	6.1	6.4	9.6	11.3	15.1	22.8	34.1
2000	3.4*	0.1*	5.2*	0.3	2.2	2.9	6.0	8.2	8.2	8.7	13.6	16.5	29.7
<b>Other cancer</b>													
1995	136.0*	7.1*	211.1*	37.2	72.1	124.4	176.8	242.0	340.8	484.7	622.4	791.7	913.1
2000	137.3*	5.6*	204.8*	30.5	62.7	110.5	173.0	247.1	337.6	472.3	627.4	845.1	1091.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	8.0*	0.2*	8.4*	0.6	1.4	3.1	4.1	7.0	15.7	26.7	50.3	65.5	105.5
2000	9.3*	0.1*	10.4*	0.7	0.9	2.3	6.0	12.9	16.1	33.7	54.1	74.3	126.0
<b>Other respiratory disease</b>													
1995	12.8*	1.9*	8.1*	2.3	3.1	3.6	5.3	7.6	11.3	23.4	43.2	97.8	280.6
2000	21.5*	1.5*	10.8*	2.1	3.0	4.1	5.8	11.8	15.3	33.8	63.4	154.8	592.7
<b>Vascular disease</b>													
1995	407.2*	3.7*	279.3*	21.4	42.0	86.2	135.7	245.3	478.2	946.5	1844.8	3494.7	9183.3
2000	353.2*	2.5*	215.7*	15.9	32.4	63.1	114.9	195.3	366.7	721.4	1448.8	2891.9	8796.6
<b>Liver cirrhosis</b>													
1995	7.2*	0.3*	12.4*	3.9	5.9	7.8	14.2	11.2	19.8	24.0	27.9	32.4	33.6
2000	7.3*	0.5*	12.4*	3.0	7.2	8.7	13.9	18.6	17.2	18.4	25.9	31.0	29.6
<b>Other medical causes</b>													
1995	143.2*	38.0*	100.3*	22.6	36.1	46.2	65.9	106.8	169.4	255.2	411.4	788.2	2863.2
2000	118.7*	26.1*	89.1*	17.3	29.5	46.4	62.3	94.9	138.1	235.1	400.2	714.2	2269.3
<b>All non-medical causes</b>													
1995	33.3*	14.3*	31.9*	24.6	28.6	28.9	31.8	31.7	36.6	41.3	73.0	137.8	392.5
2000	29.5*	11.6*	29.3*	20.4	24.4	30.8	27.7	28.5	35.4	38.1	57.2	116.7	375.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## POLAND: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 10	– / 4.0	–
35–69	37 / 95	5.9 / 44	22 years
70+	20 / 90	5.8 / 124	9 years
All ages	57 / 195	12 / 173	17 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

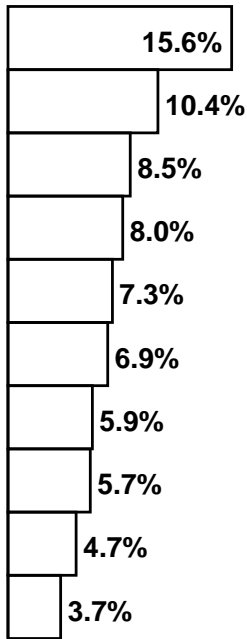
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	9.5/10	5.5/6.0	15/16	–/0.0	1.7/2.4	1.0/1.7	2.7/4.0
All Cancer	–/0.7	15/27 (55%)	8.2/20 (41%)	23/48	–/0.5	2.2/18 (12%)	1.4/18 (8%)	3.6/37
Vascular	–/0.6	13/35	7.2/48	21/84	–/0.2	2.2/15	2.8/76	5.0/92
Respiratory	–/0.2	2.2/3.5	3.1/6.8	5.3/10	–/0.1	0.5/1.5	0.9/6.2	1.5/7.8
All Other	–/8.5	6.2/30	1.8/15	8.0/53	–/3.1	1.0/9.9	0.7/24	1.7/37
All Causes	–/10	37/95 (38%)	20/90 (23%)	57/195	–/4.0	5.9/44 (13%)	5.8/124 (5%)	12/173

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	23 / 48 (48%)	3.6 / 37 (10%)	27 / 85 (31%)
All Causes	57 / 195 (29%)	12 / 173 (7%)	69 / 368 (19%)

1955-2000: POLAND

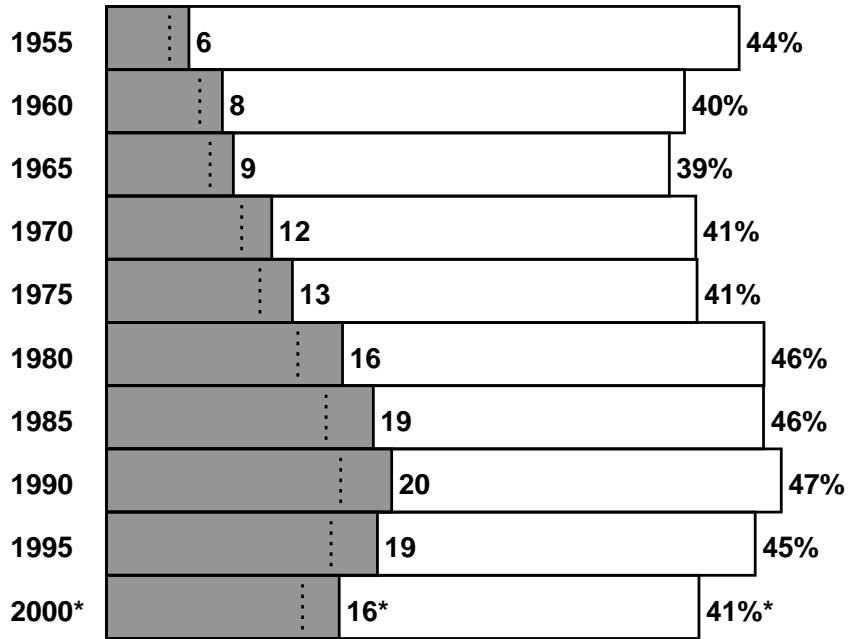
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

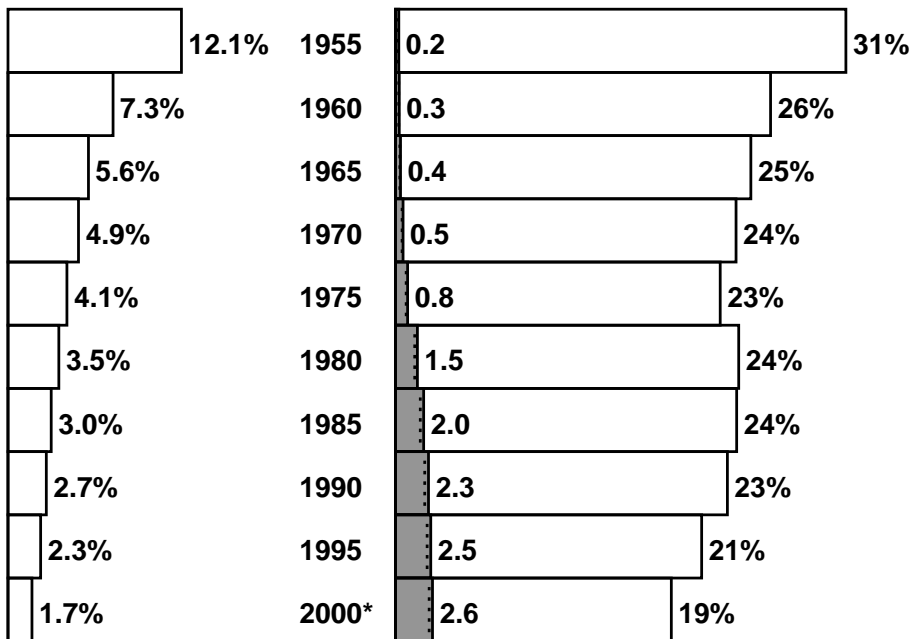
\*eg, at year 2000 male death rates, out of 100 men aged 35, 41 would die before age 70 (with 16 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## POLAND: 1950-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/54	6.4/50 <b>(13%)</b>	1.3/32 <b>(4%)</b>	7.7/136	-/40	0.2/41 <b>(0.6%)</b>	0.1/45 <b>(0.2%)</b>	0.3/126
1960	-/34	9.6/50 <b>(19%)</b>	3.1/32 <b>(10%)</b>	13/117	-/24	0.3/38 <b>(0.9%)</b>	0.2/46 <b>(0.5%)</b>	0.6/107
1965	-/24	13/58 <b>(23%)</b>	3.2/39 <b>(8%)</b>	16/121	-/15	0.5/41 <b>(1%)</b>	0.2/55 <b>(0.4%)</b>	0.7/111
1970	-/22	19/67 <b>(28%)</b>	6.6/52 <b>(13%)</b>	25/141	-/13	0.9/42 <b>(2%)</b>	0.5/71 <b>(0.7%)</b>	1.4/126
1975	-/22	23/72 <b>(31%)</b>	10/64 <b>(16%)</b>	33/158	-/11	1.6/42 <b>(4%)</b>	1.3/85 <b>(2%)</b>	2.9/139
1980	-/23	31/83 <b>(37%)</b>	14/83 <b>(17%)</b>	45/189	-/11	2.8/44 <b>(6%)</b>	2.1/106 <b>(2%)</b>	4.9/161
1985	-/20	37/89 <b>(42%)</b>	17/94 <b>(18%)</b>	54/202	-/9.8	3.8/46 <b>(8%)</b>	3.3/124 <b>(3%)</b>	7.1/179
1990	-/18	45/105 <b>(42%)</b>	15/87 <b>(18%)</b>	60/209	-/7.8	5.1/52 <b>(10%)</b>	4.4/120 <b>(4%)</b>	9.5/179
1995	-/13	43/105 <b>(41%)</b>	17/87 <b>(20%)</b>	61/206	-/5.9	5.6/49 <b>(11%)</b>	5.2/125 <b>(4%)</b>	11/180
2000	-/10	37/95 <b>(38%)</b>	20/90 <b>(23%)</b>	57/195	-/4.0	5.9/44 <b>(13%)</b>	5.8/124 <b>(5%)</b>	12/173

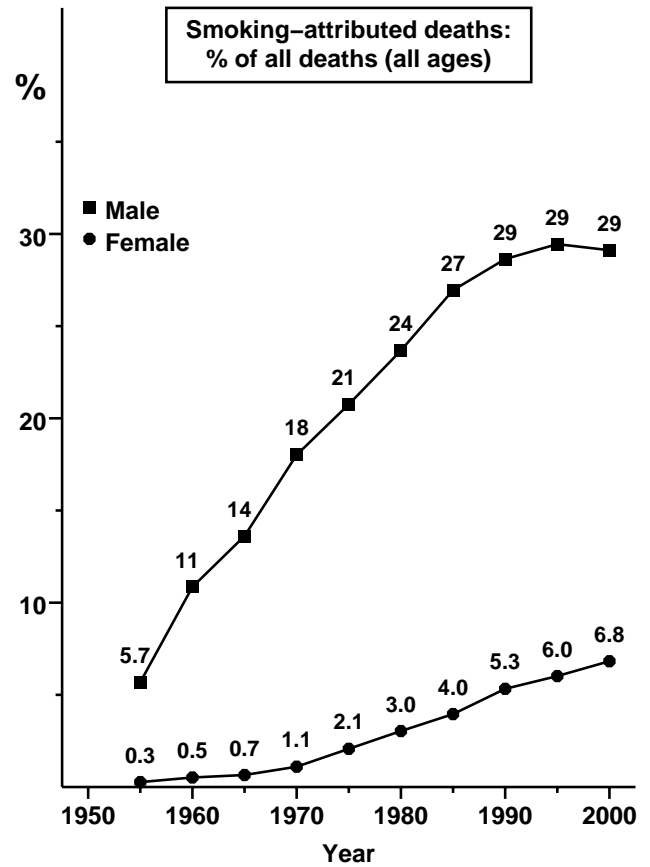
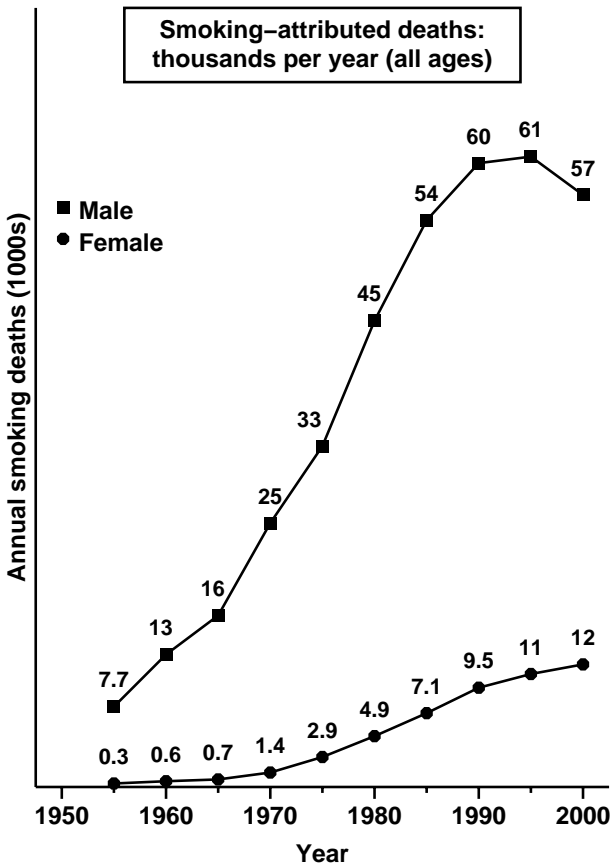
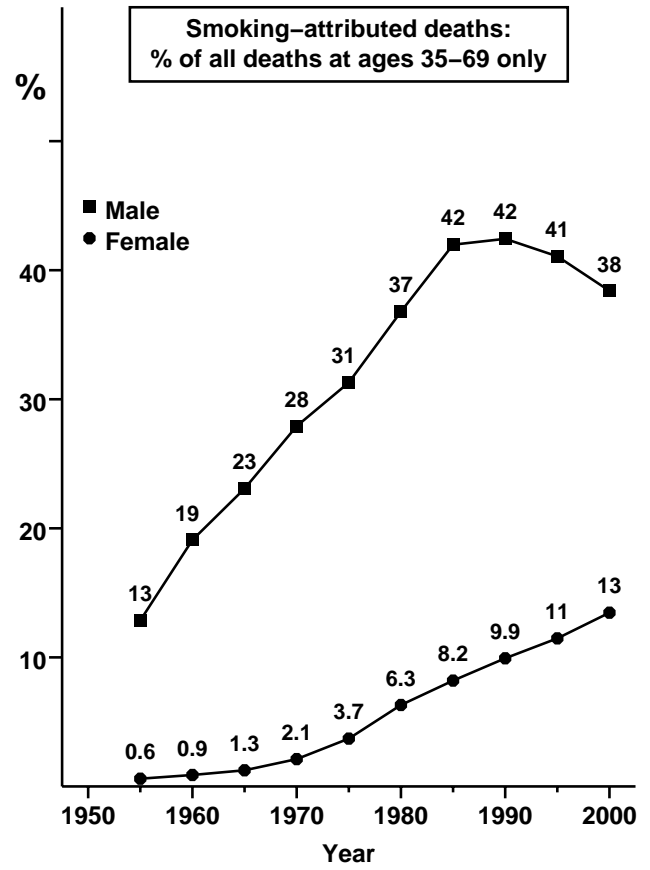
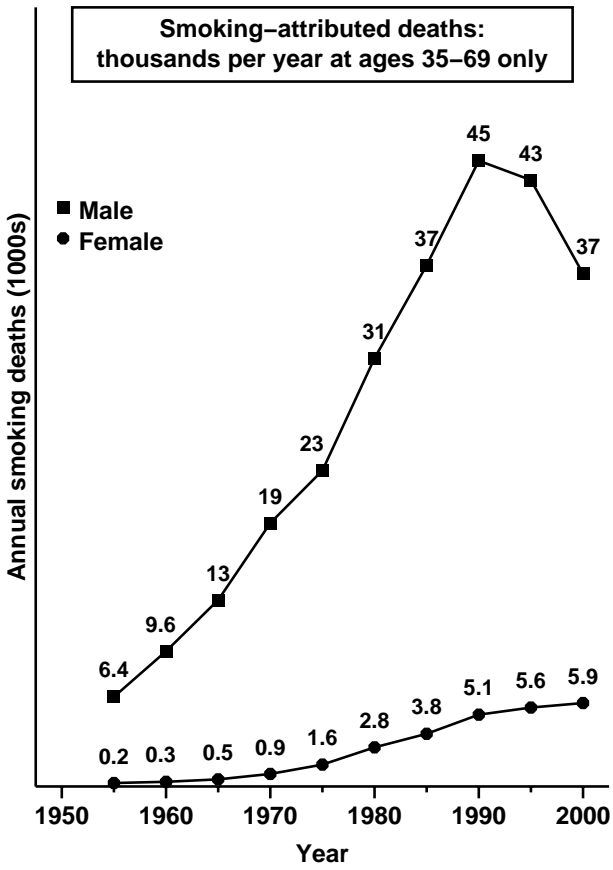
50-year total\* (M=millions), mid-1950 to mid-2000: **1.9/ 16M**

1950-2000 by age & sex:

-/1.3M	1.2/3.7M <b>(33%)</b>	0.5/3.2M <b>(16%)</b>	1.7/8.2M	-/0.8M	0.1/2.2M <b>(5%)</b>	0.1/4.3M <b>(2%)</b>	0.2/7.4M
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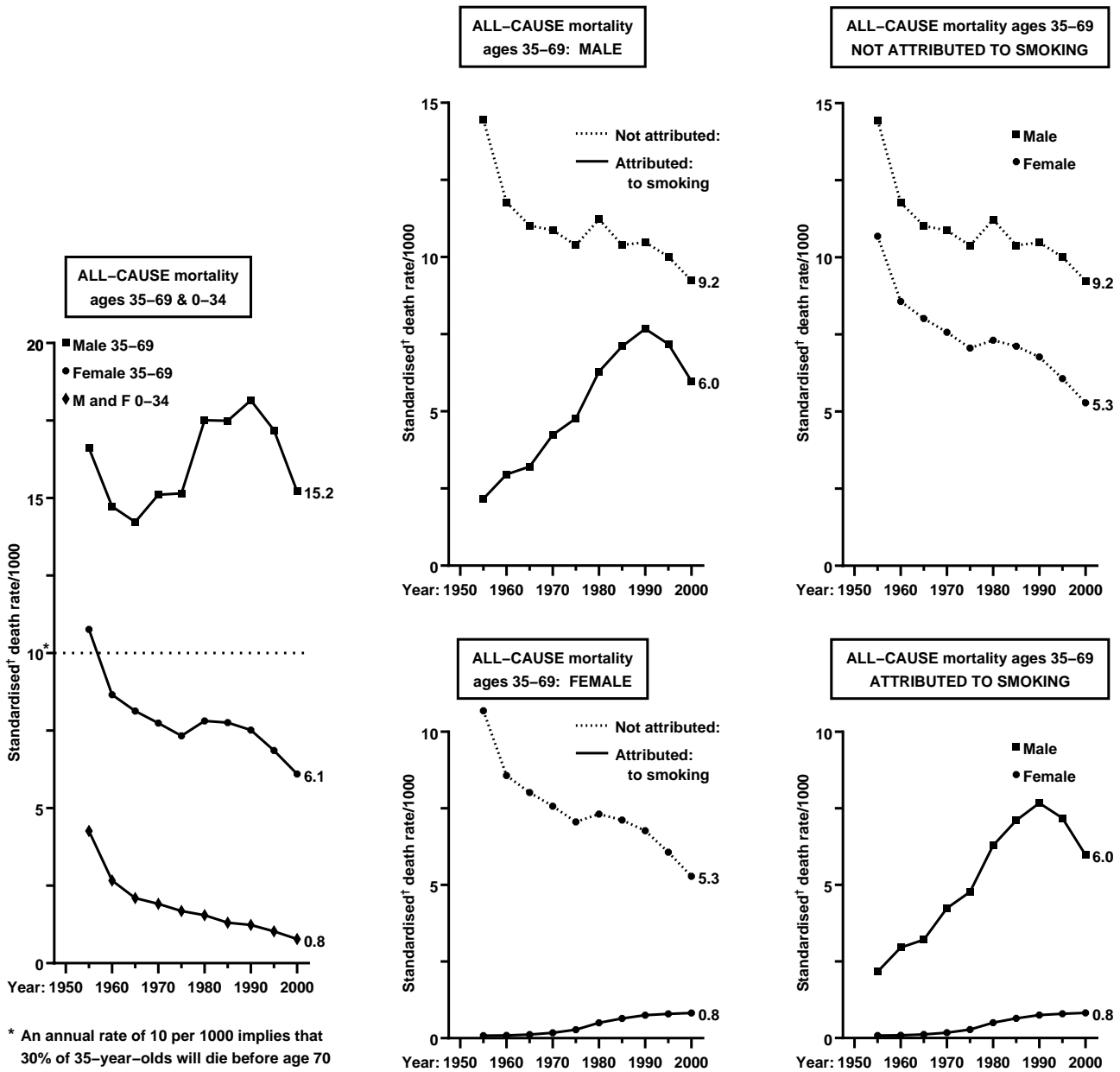
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: POLAND



**POLAND: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

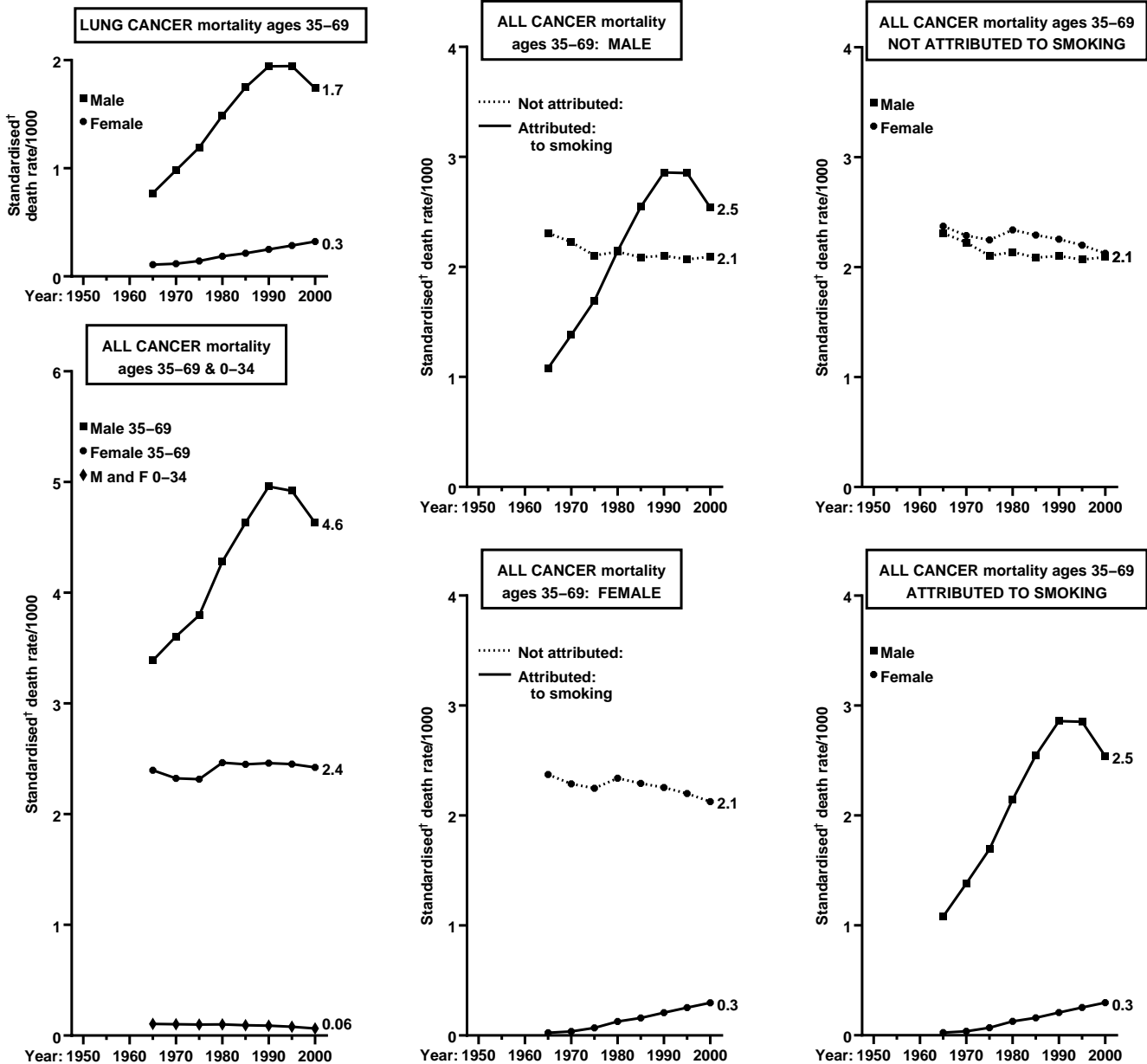
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79			
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...		
1955	-	4.84	2.16	14.4	3.80	77.6	-	3.68	0.08	10.7	0.17	66.8	-	2.17	0.09	8.57	0.35	55.8
1960	-	3.15	2.95	11.8	8.01	69.1	-	1.65	0.11	8.01	0.31	54.6	-	1.44	0.17	7.57	0.52	51.4
1965	-	2.54	3.21	11.0	6.83	69.6	-	1.20	0.27	7.06	0.94	50.5	-	1.03	0.50	7.31	1.24	48.4
1970	-	2.38	4.24	10.9	10.9	67.0	-	0.87	0.64	7.12	1.62	48.6	-	0.77	0.75	6.77	2.26	44.7
1975	-	2.16	4.77	10.4	13.7	66.5	-	0.66	0.79	6.07	2.34	41.1	-	0.66	0.79	6.07	2.34	41.1
1980	-	2.06	6.29	11.2	15.2	66.3	-	0.48	0.82	5.28	2.25	36.3	-	0.66	0.79	6.07	2.34	41.1
1985	-	1.73	7.10	10.4	17.4	66.0	-	0.48	0.82	5.28	2.25	36.3	-	0.66	0.79	6.07	2.34	41.1
1990	-	1.69	7.67	10.5	16.7	62.0	-	0.48	0.82	5.28	2.25	36.3	-	0.66	0.79	6.07	2.34	41.1
1995	-	1.39	7.18	10.0	16.6	56.3	-	0.48	0.82	5.28	2.25	36.3	-	0.66	0.79	6.07	2.34	41.1
2000	-	1.07	5.97	9.24	17.1	50.3	-	0.48	0.82	5.28	2.25	36.3	-	0.66	0.79	6.07	2.34	41.1

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1965-2000: POLAND

ALL CANCER mortality rates attributed and not attributed to smoking



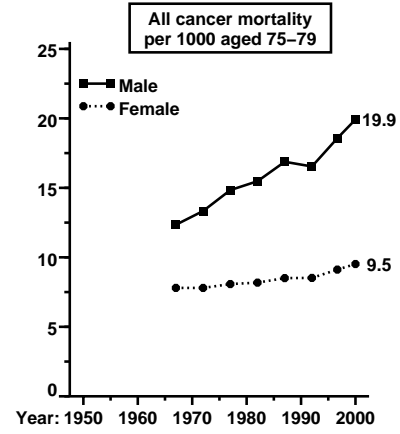
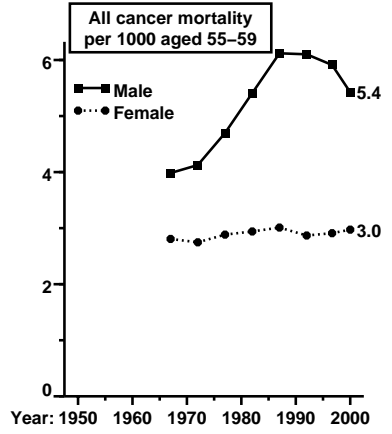
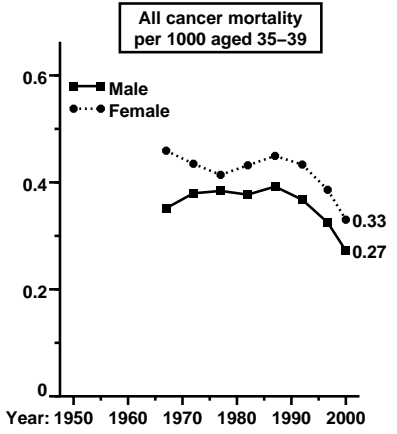
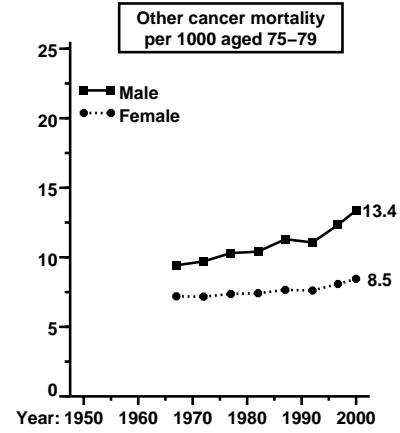
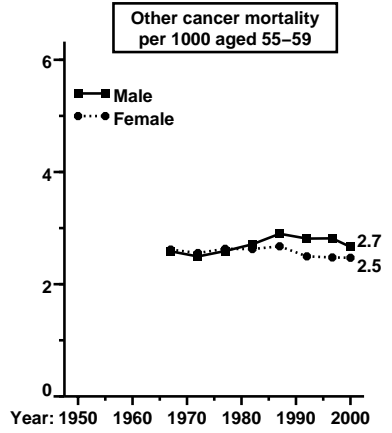
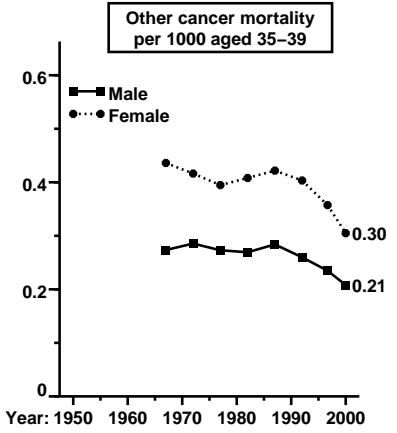
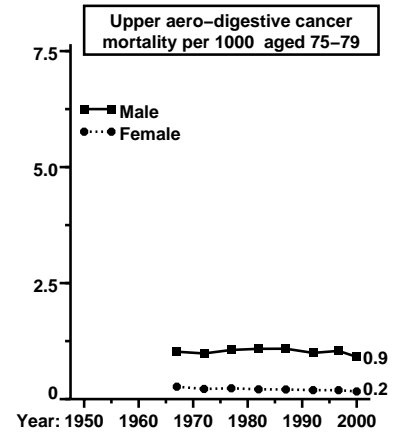
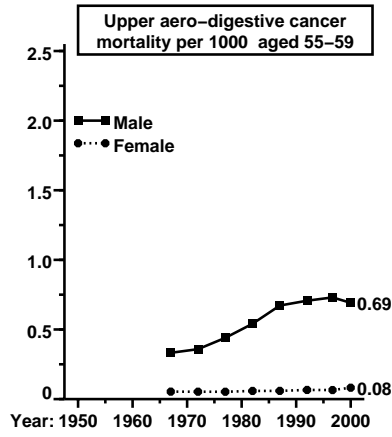
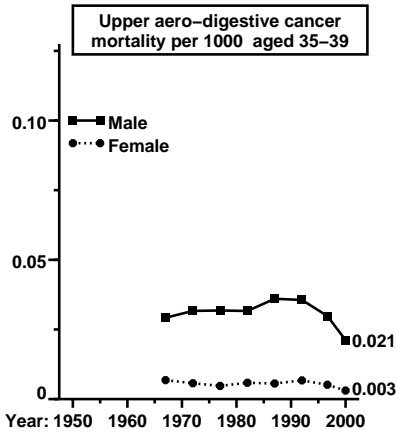
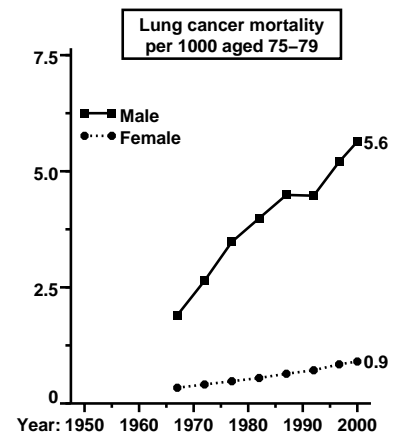
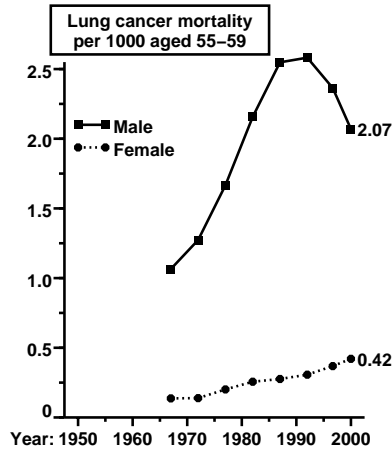
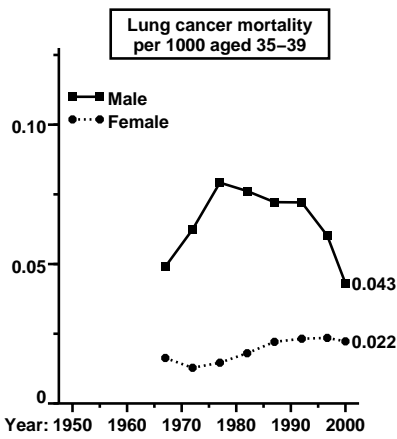
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	-	0.11	1.08	2.31	2.25	9.52	-	0.10	0.02	2.37	0.06	7.84	-	0.10	0.08	7.14
1970	-	0.11	1.38	2.22	3.07	9.17	-	0.10	0.04	2.29	0.08	7.14	-	0.09	0.07	7.33
1975	-	0.10	1.69	2.10	4.47	9.44	-	0.10	0.07	2.25	0.18	7.33	-	0.10	0.13	6.94
1980	-	0.10	2.14	2.14	5.08	9.31	-	0.10	0.13	2.34	0.25	6.94	-	0.09	0.16	7.23
1985	-	0.10	2.55	2.09	5.85	9.55	-	0.09	0.16	2.29	0.34	7.23	-	0.08	0.21	7.38
1990	-	0.10	2.86	2.10	6.30	9.53	-	0.08	0.21	2.25	0.56	7.38	-	0.07	0.25	7.42
1995	-	0.08	2.85	2.07	6.99	9.76	-	0.07	0.25	2.20	0.64	7.42	-	0.06	0.30	7.67
2000	-	0.07	2.54	2.09	7.74	10.5	-	0.06	0.30	2.13	0.67	7.67	-			

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**POLAND: 1965-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

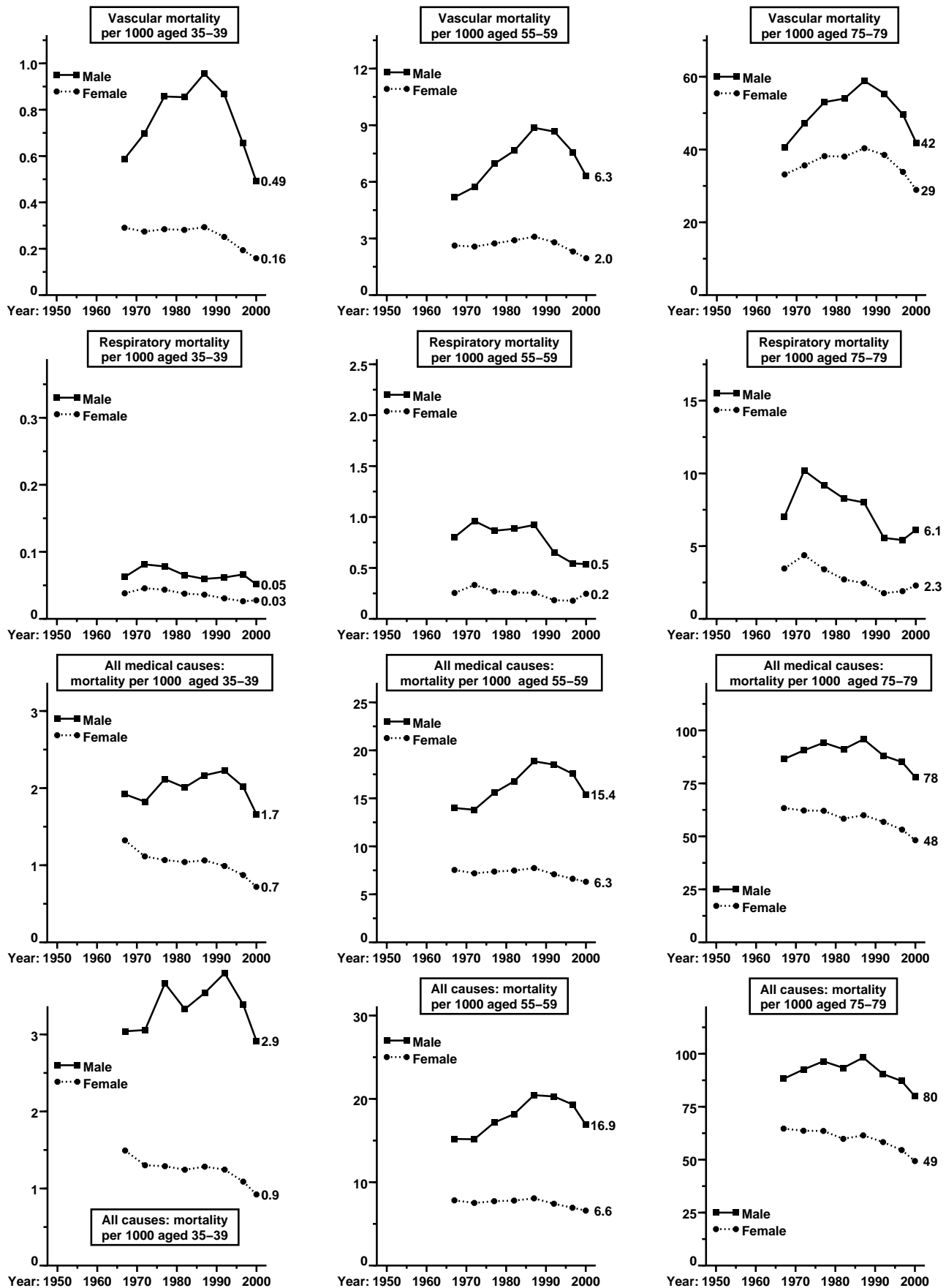


\* Annual mortality per 1000: averages of years available in 1965-69,....,1995-99; then year 2000 separately



1965-2000: POLAND

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1965-69,....,1995-99; then year 2000 separately

## PORTUGAL: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	55346	3202	17760	967.7	126.9	945.4	170.0	24.9	30.6	93.3	147.2	183.9	238.2
	F	50467	1180	8991	572.0	51.7	420.4	136.5	20.2	17.5	34.1	41.3	41.0	71.1
Tuberculosis	M	254	15	122	4.6	0.6	6.1	0.3	-	-	-	0.7	0.5	2.4
	F	86	6	23	1.1	0.2	1.0	-	-	-	-	0.5	0.5	0.5
HIV	M	777	360	401	14.9	13.2	17.7	-	-	-	1.7	11.6	34.1	45.3
	F	174	88	82	3.2	3.3	3.3	0.4	-	-	0.6	4.6	6.2	11.2
Other infective and parasitic	M	550	85	200	10.2	3.7	10.3	11.5	1.8	1.7	1.1	1.2	3.4	5.1
	F	484	52	130	6.5	2.5	6.1	10.0	1.9	0.7	0.9	0.8	1.0	2.1
ALL CANCER	M	12706	182	5431	223.5	7.1	294.5	3.1	2.5	3.1	7.1	7.7	11.8	14.3
	F	8755	158	3458	116.1	6.5	161.0	4.4	4.2	4.0	5.3	4.8	8.1	14.4
Mouth and pharynx cancer	M	459	9	341	8.9	0.3	17.6	-	0.4	-	0.3	0.5	0.7	0.5
	F	100	1	43	1.4	0.1	1.9	0.4	-	-	-	-	-	-
Oesophagus cancer	M	424	-	265	7.9	-	13.9	-	-	-	-	-	-	-
	F	103	-	23	1.2	-	1.1	-	-	-	-	-	-	-
Stomach cancer	M	1577	5	710	27.8	0.2	38.1	-	-	-	-	0.2	0.2	0.8
	F	1040	8	354	13.1	0.3	16.5	-	-	0.4	-	0.5	0.7	0.5
Colorectal cancer	M	1598	4	595	27.5	0.2	33.0	-	-	-	-	-	0.2	0.8
	F	1265	9	413	15.7	0.3	19.5	-	-	-	-	-	0.2	2.1
Liver cancer	M	249	2	127	4.4	0.1	7.0	0.3	-	-	-	0.2	-	-
	F	93	3	32	1.2	0.2	1.5	0.4	0.4	0.4	-	-	-	-
Pancreas cancer	M	482	4	216	8.4	0.2	11.8	-	-	-	-	-	-	1.1
	F	397	-	120	4.8	-	5.7	-	-	-	-	-	-	-
Larynx cancer	M	367	-	227	6.8	-	11.9	-	-	-	-	-	-	-
	F	20	-	3	0.2	-	0.1	-	-	-	-	-	-	-
Lung cancer	M	2337	6	1260	41.8	0.2	68.9	-	-	-	-	0.2	0.2	1.1
	F	533	3	257	7.4	0.1	12.0	-	-	-	-	-	0.2	0.5
Malignant melanoma	M	82	4	52	1.5	0.1	2.6	-	-	-	-	0.2	0.2	0.5
	F	77	2	37	1.1	0.1	1.7	-	-	-	-	0.3	0.2	-
Female breast cancer	F	1524	15	798	22.2	0.6	36.5	-	-	0.4	-	-	0.5	3.2
Cervix cancer	F	227	6	140	3.6	0.2	6.2	-	-	-	-	-	0.7	0.8
Other uterine cancer	F	366	2	157	4.9	0.1	7.4	-	-	-	-	-	-	0.5
Ovarian cancer	F	371	7	205	5.4	0.3	9.6	-	-	-	-	0.3	0.5	1.1
Prostate cancer	M	1805	-	269	29.8	-	15.6	-	-	-	-	-	-	-
Bladder cancer	M	456	2	125	7.6	0.1	7.1	-	-	-	-	-	0.2	0.3
	F	190	1	29	2.1	0.1	1.4	-	0.4	-	-	-	-	-
Other and ill-defined cancer sites	M	2003	86	897	35.7	3.4	48.1	1.7	2.2	1.4	3.7	3.7	6.9	4.0
	F	1686	63	555	21.6	2.7	26.2	2.2	1.9	2.6	3.9	2.0	2.5	3.7
Hodgkin's disease	M	33	8	16	0.6	0.3	0.7	-	-	-	0.3	0.5	0.7	0.5
	F	30	5	15	0.4	0.2	0.7	-	-	-	-	0.8	0.5	-
Myeloma and non- Hodgkin lymphomas	M	441	13	190	7.7	0.5	10.5	0.3	-	-	0.6	0.5	-	2.2
	F	451	8	192	6.0	0.3	9.1	0.4	0.4	-	-	0.5	0.7	0.3
Leukaemia	M	393	39	141	6.9	1.5	7.6	0.7	-	1.7	2.3	1.5	2.2	2.4
	F	282	25	85	3.7	1.1	4.0	1.1	1.1	0.4	1.5	0.5	1.2	1.6
Diabetes	M	1293	5	352	21.6	0.2	19.7	-	-	-	-	-	0.2	1.1
	F	1845	3	333	20.4	0.1	16.1	-	-	-	-	-	0.2	0.5
ALL VASCULAR DISEASE	M	18675	146	4392	316.3	5.6	241.8	2.1	0.7	1.7	2.0	4.9	9.1	18.6
	F	22319	69	2208	230.2	2.8	105.4	3.3	-	0.7	1.2	2.8	3.0	8.3
Rheumatic heart disease and fever	M	44	1	20	0.8	0.0	1.0	-	-	0.3	-	-	-	-
	F	141	3	42	1.8	0.1	2.0	-	-	0.4	-	-	0.2	0.3
Hypertensive disease	M	383	1	78	6.5	0.0	4.3	-	-	0.3	-	-	-	-
	F	619	-	58	6.3	-	2.8	-	-	-	-	-	-	-
Ischaemic heart disease	M	4914	37	1720	84.7	1.4	94.0	-	-	-	-	0.7	3.7	5.1
	F	4104	4	622	44.2	0.1	29.8	-	-	-	-	0.3	0.2	0.5
Pulmonary embolism and other venous	M	420	8	115	7.2	0.3	6.3	-	-	-	0.3	0.2	-	1.6
	F	499	8	99	5.6	0.3	4.7	-	-	-	0.3	0.3	0.2	1.3
Cerebrovascular disease	M	9110	49	1753	152.8	1.9	97.2	0.7	0.4	1.0	0.3	2.2	3.2	5.4
	F	11885	30	1026	121.3	1.2	48.9	0.7	-	0.4	0.3	1.5	1.0	4.3
Other vascular disease	M	3804	50	706	64.3	1.9	38.9	1.4	0.4	-	1.4	1.7	2.2	6.5
	F	5071	24	361	51.0	1.0	17.2	2.6	-	-	0.6	0.8	1.2	1.9
Chronic obstructive pulmonary disease	M	1730	5	352	28.7	0.2	19.8	-	-	-	-	0.5	0.5	0.3
	F	892	5	132	9.7	0.2	6.3	0.4	-	-	0.3	0.3	0.2	0.3
Other respiratory disease	M	3863	67	693	65.3	2.7	37.6	5.6	0.4	0.3	1.4	1.5	3.2	6.7
	F	3794	28	304	38.7	1.2	14.4	2.2	0.4	0.7	0.6	1.5	1.7	1.1
Peptic ulcer	M	181	-	58	3.2	-	3.1	-	-	-	-	-	-	-
	F	163	1	19	1.7	0.0	0.9	-	-	-	-	-	0.2	-
Liver cirrhosis	M	1347	32	941	25.5	1.2	49.2	-	-	-	0.3	0.2	1.0	7.0
	F	475	14	305	7.5	0.5	13.8	-	-	-	-	0.3	1.7	1.6
Renal disease	M	753	9	164	12.8	0.3	9.0	0.3	-	-	-	0.2	0.7	1.1
	F	622	7	94	6.8	0.3	4.4	0.4	-	-	-	0.3	0.2	1.1
Pregnancy, birth Congenital and perinatal causes	F	3	2	1	0.1	0.1	0.0	-	-	-	-	-	-	0.5
	M	295	281	14	8.0	13.9	0.7	91.1	2.2	1.0	0.3	0.7	1.0	0.8
	F	213	204	9	6.1	10.6	0.4	70.3	0.4	0.4	0.6	1.3	0.7	0.5
Ill-defined causes	M	6741	725	2330	120.6	28.3	119.4	25.5	5.8	6.6	23.9	32.4	46.6	57.1
	F	6410	195	891	70.4	8.4	41.2	18.1	3.4	2.2	7.7	7.9	7.2	12.0
Other medical causes	M	2714	178	788	47.5	7.5	41.8	14.7	4.0	3.1	7.7	4.0	7.1	11.9
	F	2930	117	544	34.2	5.4	25.4	13.3	5.7	3.6	4.1	5.1	1.5	4.3
ALL NON- MEDICAL CAUSES	M	3467	1112	1522	65.0	42.4	74.5	15.7	7.6	12.9	47.8	81.5	64.7	66.6
	F	1302	231	458	19.3	9.7	20.7	13.7	4.2	5.1	12.7	11.4	8.4	12.6
Road traffic accidents	M	1098	511	431	20.7	19.2	20.7	2.8	3.6	4.2	23.6	46.2	29.7	24.3
	F	278	91	117	4.7	3.7	5.3	2.6	1.5	2.9	5.6	5.8	4.0	3.7
Fire	M	58	8	32	1.1	0.3	1.5	0.7	0.4	-	-	0.5	0.7	-
	F	28	3	9	0.4	0.1	0.4	-	0.4	-	-	0.3	-	0.3
Suicide	M	417	68	197	7.6	2.5	9.8	-	-	-	2.6	4.7	4.4	5.9
	F	107	16	51	1.6	0.6	2.3	-	-	-	0.9	1.0	-	2.4
Homicide	M	67	28	37	1.3	1.0	1.7	0.3	-	-	1.1	2.7	2.0	1.1
	F	30	12	15	0.6	0.5	0.6	0.7	0.4	-	0.3	0.5	0.7	0.8
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		4933.6	2386.0	2096.9	286.4	276.6	287.5	351.6	404.9	407.9	371.1
			<b>F=female</b>		5291.6	2318.8	2297.0	270.4	262.4	274.5	337.4	394.9	405.0	374.2

## 2000: PORTUGAL

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
277.3	347.5	489.3	637.4	962.5	1494.8	2409.2	3893.4	6605.7	15173.0	M	ALL CAUSES	001-999/A00-Y89
102.7	145.4	214.7	306.3	416.2	662.8	1094.5	2078.2	3955.8	12405.3	F		
4.7	4.3	4.3	4.3	7.6	6.3	11.4	16.4	27.9	39.8	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.5	0.5	1.7	0.3	0.7	1.4	2.1	6.6	6.5	12.4	F		
40.0	22.3	19.8	12.8	11.5	9.5	8.0	5.6	2.9	0.9	M	HIV	279.5, 279.6/B20-B24
8.7	7.1	2.3	1.2	2.0	1.4	0.3	0.8	1.0	-	F		
4.7	6.0	7.3	8.2	8.8	15.9	21.1	35.4	50.7	108.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.6	2.5	3.2	1.8	5.1	10.9	17.7	29.2	37.3	69.9	F		
35.9	70.1	125.2	219.3	351.4	492.9	766.9	1126.1	1527.1	2385.8	M	ALL CANCER	140-208/C00-C97
32.6	57.7	94.7	142.0	187.6	262.7	349.4	517.3	700.9	1102.5	F		
3.0	4.9	18.0	22.0	21.4	26.6	27.0	26.7	15.7	30.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	1.1	3.7	2.4	1.0	1.7	3.1	5.8	4.5	14.7	F		
1.9	6.0	7.6	14.1	22.2	17.5	28.3	32.3	28.6	48.4	M	Oesophagus cancer	150/C15
-	-	0.6	1.2	0.7	2.0	3.1	6.2	10.4	19.8	F		
5.8	13.5	17.7	27.3	46.3	62.3	94.2	134.8	206.4	268.2	M	Stomach cancer	151/C16
3.2	5.5	8.1	15.8	20.4	23.6	39.2	58.8	91.9	157.2	F		
2.5	6.3	7.6	18.1	34.4	61.9	100.5	157.9	212.1	340.8	M	Colorectal cancer	153, 154/C18-C21
2.4	5.5	7.8	16.1	23.8	33.8	46.9	71.2	109.3	202.2	F		
0.8	0.6	3.7	3.3	8.4	14.3	17.7	25.6	28.6	26.0	M	Liver cancer	155.0/C22 excl C221
0.3	1.1	0.3	0.3	1.4	3.4	3.8	8.2	6.0	11.5	F		
0.3	2.6	2.4	12.2	13.4	17.1	35.1	48.2	61.4	70.9	M	Pancreas cancer	157/C25
0.5	0.5	2.0	4.6	3.4	12.6	16.3	30.4	38.7	55.6	F		
1.1	2.6	9.7	14.5	14.5	17.5	23.6	26.1	33.6	36.3	M	Larynx cancer	161/C32
-	-	-	-	-	0.3	0.7	0.8	2.5	4.6	F		
5.5	13.2	24.4	48.3	96.0	119.4	175.3	239.4	249.3	220.6	M	Lung cancer	162/C33, C34
2.9	4.1	6.6	10.3	13.6	18.8	27.4	33.9	41.7	46.9	F		
1.4	1.7	1.5	3.3	1.1	4.4	5.1	6.7	5.0	5.2	M	Malignant melanoma	172/C43
0.8	0.8	1.4	1.8	1.7	1.4	3.8	4.3	3.5	9.2	F		
10.0	17.5	27.9	42.9	48.9	57.4	50.7	72.4	106.8	142.5	F	Female breast cancer	174/C50
3.2	5.2	7.5	7.0	7.1	7.9	5.6	12.5	11.4	11.9	F	Cervix cancer	180/C53
1.6	1.6	4.9	3.0	10.9	12.0	17.7	21.8	25.3	46.0	F	Other uterine cancer	179, 182/C54, C55
1.1	3.3	5.2	10.9	10.5	14.3	21.5	20.2	25.3	25.7	F	Ovarian cancer	183/C56, C570-C574
-	0.9	0.9	2.3	10.3	29.4	65.5	138.9	284.3	750.0	M	Prostate cancer	185/C61
0.3	0.6	1.5	2.3	5.7	11.9	27.4	48.7	62.1	127.2	M	Bladder cancer	188/C67
-	0.3	0.3	0.3	1.0	3.8	4.2	11.3	19.4	42.3	F		
8.5	11.2	23.4	42.7	55.4	79.4	116.1	168.1	219.3	333.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
3.7	6.0	12.7	15.2	30.9	48.5	66.7	109.0	141.1	231.6	F		
0.8	0.9	0.9	0.7	0.4	1.2	0.4	2.1	2.1	1.7	M	Hodgkin's disease	201/C81
0.5	0.3	0.9	0.3	-	0.3	2.4	1.2	1.0	2.3	F		
1.9	2.6	3.0	3.6	13.4	18.7	30.0	39.5	67.1	58.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.3	3.0	2.6	7.3	8.8	14.0	26.4	31.9	37.3	43.2	F	Leukaemia	204-208/C91-C95
2.2	2.9	2.7	4.6	8.4	11.5	20.7	31.3	51.4	69.2	M		
1.1	1.9	2.3	2.4	3.4	6.8	9.7	17.5	24.8	35.4	F		
1.1	3.7	5.8	6.2	17.6	34.9	68.8	120.5	225.7	333.0	M	Diabetes	250/E10-E14
0.8	0.8	2.6	9.4	12.9	24.6	61.5	124.2	205.7	356.6	F		
26.6	49.5	89.5	140.7	217.6	415.5	753.4	1364.9	2672.9	6688.6	M	ALL VASCULAR DISEASE	390-459/I00-I99
13.7	19.9	30.5	56.6	86.3	170.5	360.5	824.1	1853.5	6523.0	F		
0.3	0.3	0.9	1.3	0.4	2.4	1.7	3.6	5.7	6.9	M	Rheumatic heart disease and fever	390-398/I00-I09
0.3	0.8	1.2	1.5	1.7	4.4	3.8	9.0	16.4	18.4	F		
0.5	0.9	1.8	2.6	3.4	7.9	12.7	20.5	53.6	163.5	M	Hypertensive disease	401-405/I10-I15
-	0.3	0.6	0.6	1.7	5.8	10.8	16.7	53.7	188.4	F		
9.6	22.6	37.8	64.1	92.2	152.4	279.6	401.8	657.1	1256.9	M	Ischaemic heart disease	410-414/I20-I25
2.6	3.8	8.6	15.5	27.5	46.8	103.9	209.8	378.5	1000.5	F		
0.5	1.4	1.8	3.9	6.1	11.5	19.0	33.8	57.1	130.6	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.3	1.6	2.3	1.8	4.1	6.1	15.3	20.6	47.7	111.7	F		
9.1	16.9	34.1	48.3	82.2	174.2	315.9	662.7	1397.9	3510.4	M	Cerebrovascular disease	430-438/I60-I69
6.6	9.3	13.2	30.1	40.1	74.5	168.8	421.6	1011.4	3543.2	F		
6.6	7.4	13.1	20.4	33.3	67.1	124.6	242.4	501.4	1620.2	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.9	4.1	4.6	7.0	11.2	32.8	58.0	146.4	345.8	1660.8	F		
1.4	4.6	3.0	8.2	16.1	30.2	75.2	166.1	282.9	564.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	0.8	3.7	4.3	5.1	8.2	21.5	45.5	77.5	221.5	F		
10.7	15.5	14.3	15.8	20.3	63.5	123.3	240.4	508.6	1662.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
3.9	3.8	3.7	6.4	12.2	24.3	46.5	122.2	277.7	1189.8	F		
0.5	1.1	2.1	1.0	4.2	6.3	6.3	10.3	19.3	65.7	M	Peptic ulcer	531-533/K25-K27
0.3	0.5	0.6	0.9	0.7	0.7	2.4	7.4	15.9	42.3	F		
11.5	17.5	37.8	40.8	65.8	79.8	91.6	95.3	76.4	70.1	M	Liver cirrhosis	571/K70, K74
5.8	6.8	12.4	16.4	15.6	23.2	16.3	25.3	23.8	19.8	F		
1.6	2.0	2.4	4.9	10.3	16.7	24.9	46.6	95.7	307.1	M	Renal disease	580-590/N00-N19
0.8	0.8	2.6	2.1	3.7	8.5	12.5	31.5	51.2	154.9	F		
0.3	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.8	0.3	0.9	0.7	0.8	1.2	-	-	-	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.8	0.5	0.3	0.3	0.3	-	0.3	-	-	-	F	Ill-defined causes	780-799/R00-R99
64.5	67.8	84.3	87.8	117.0	173.0	241.6	352.1	604.3	1862.5	M		
14.5	21.0	25.3	27.7	38.4	62.2	99.0	171.3	373.1	1899.4	F		
12.9	15.5	25.0	26.0	44.7	59.9	109.0	185.5	352.9	771.6	M	Other medical causes	Rest of 001-799/ rest of A00-R99
6.3	10.1	14.4	17.6	24.1	36.2	68.8	124.2	253.4	661.8	F		
60.3	67.3	67.6	60.8	68.8	89.3	107.7	128.1	158.6	312.3	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
11.8	12.3	16.7	19.2	21.4	28.0	35.4	48.7	78.5	151.7	F		
17.3	23.8	19.8	18.7	18.0	23.4	24.1	32.8	29.3	44.1	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
2.6	4.1	3.2	6.7	5.4	6.1	8.7	6.2	12.4	13.3	F		
1.9	1.1	1.2	1.6	1.9	-	3.0	2.1	1.4	10.4	M	Fire	E890-E899/X00-X09
-	0.3	0.3	-	-	1.0	1.4	1.6	2.0	3.7	F		
6.6	10.6	5.8	6.9	5.4	17.1	16.5	24.1	32.9	51.0	M	Suicide	E950-E959/X60-X84
1.6	0.5	2.6	1.5	2.4	3.8	3.8	3.5	6.0	8.7	F		
1.9	2.6	2.1	0.3	2.3	0.8	2.1	-	-	1.7	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.3	0.5	1.2	1.2	-	1.4	-	0.4	0.5	0.5	F		
364.6	349.4	328.4	304.2	261.5	252.0	236.8	195.1	140.0	115.6	M	POPULATION	
379.9	366.0	347.4	328.8	294.3	292.7	287.9	256.9	201.3	217.6	F	(1000s; UN, 2004 revision)	

<b>PORTUGAL: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	3980	193	11	7	175	16	93	151	46	1824	1657
35-69	Sm.	3881	1757	1054	384	319	276	112	936	-	800	-
	Total	18742 (21%)	5367 (33%)	1206 (87%)	755 (51%)	3406 (9%)	422 (65%)	606 (18%)	5245 (18%)	1176	4076 (20%)	1850
70+	Sm.	3182	1154	722	136	296	713	117	828	-	370	-
	Total	31712 (10%)	6033 (19%)	885 (82%)	341 (40%)	4807 (6%)	1300 (55%)	2124 (6%)	14487 (6%)	438	6462 (6%)	868
Any age	Sm.	7063	2911	1776	520	615	989	229	1764	-	1170	-
	Total	54434 (13%)	11593 (25%)	2102 (84%)	1103 (47%)	8388 (7%)	1738 (57%)	2823 (8%)	19883 (9%)	1660	12362 (9%)	4375
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	3202	182	6	9	167	5	67	146	32	1658	1112
35-69	Sm.	3933	1854	1103	434	317	228	125	804	-	922	-
	Total	17760 (22%)	5431 (34%)	1260 (88%)	833 (52%)	3338 (9%)	352 (65%)	693 (18%)	4392 (18%)	941	4429 (21%)	1522
70+	Sm.	3657	1423	887	170	366	768	178	838	-	450	-
	Total	34384 (11%)	7093 (20%)	1071 (83%)	408 (42%)	5614 (7%)	1373 (56%)	3103 (6%)	14137 (6%)	374	7471 (6%)	833
Any age	Sm.	7590	3277	1990	604	683	996	303	1642	-	1372	-
	Total	55346 (14%)	12706 (26%)	2337 (85%)	1250 (48%)	9119 (7%)	1730 (58%)	3863 (8%)	18675 (9%)	1347	13558 (10%)	3467

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	4833.6	2459.4	1978.5	342.0	324.5	305.2	266.3	262.9	254.1	223.5	180.4	111.6	103.7
2000	4933.6	2386.0	2096.9	364.6	349.4	328.4	304.2	261.5	252.0	236.8	195.1	140.0	115.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	54434	3980	18742	1016	1159	1517	1803	2848	4339	6060	7714	7873	16125
2000	55346	3202	17760	1011	1214	1607	1939	2517	3767	5705	7596	9248	17540
<b>Lung cancer</b>													
1995	2102	11	1206	21	42	83	99	225	335	401	363	279	243
2000	2337	6	1260	20	46	80	147	251	301	415	467	349	255
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1046.9*	158.4*	1047.2*	297.1	357.2	497.1	677.1	1083.3	1707.6	2711.4	4276.1	7054.7	15549.7
2000	967.7*	126.9*	945.4*	277.3	347.5	489.3	637.4	962.5	1494.8	2409.2	3893.4	6605.7	15173.0
<b>All cancer</b>													
1995	222.7*	7.6*	304.9*	37.4	65.0	128.1	193.8	339.3	543.5	826.8	1122.5	1526.0	2222.8
2000	223.5*	7.1*	294.5*	35.9	70.1	125.2	219.3	351.4	492.9	766.9	1126.1	1527.1	2385.8
<b>Lung cancer</b>													
1995	40.7*	0.4*	68.6*	6.1	12.9	27.2	37.2	85.6	131.8	179.4	201.2	250.0	234.3
2000	41.8*	0.2*	68.9*	5.5	13.2	24.4	48.3	96.0	119.4	175.3	239.4	249.3	220.6
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	22.3*	0.3*	41.9*	4.7	12.0	25.2	45.4	47.2	74.4	84.6	82.0	75.3	105.1
2000	23.7*	0.3*	43.4*	6.0	13.5	35.3	50.6	58.1	61.5	79.0	85.1	77.9	115.1
<b>Other cancer</b>													
1995	159.8*	6.9*	194.3*	26.6	40.1	75.7	111.2	206.5	337.3	562.9	839.2	1200.7	1883.3
2000	158.0*	6.5*	182.2*	24.4	43.5	65.5	120.3	197.3	311.9	512.7	801.6	1200.0	2050.2
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	32.5*	0.6*	24.6*	1.8	2.2	6.9	9.8	21.7	48.0	81.9	179.0	289.4	630.7
2000	28.7*	0.2*	19.8*	1.4	4.6	3.0	8.2	16.1	30.2	75.2	166.1	282.9	564.9
<b>Other respiratory disease</b>													
1995	53.8*	3.8*	34.2*	8.8	11.4	11.1	23.3	32.3	54.3	98.4	194.6	386.2	1294.1
2000	65.3*	2.7*	37.6*	10.7	15.5	14.3	15.8	20.3	63.5	123.3	240.4	508.6	1662.6
<b>Vascular disease</b>													
1995	375.1*	5.8*	302.0*	32.7	59.2	100.6	161.1	279.6	525.0	955.7	1724.5	3209.7	7515.9
2000	316.3*	5.6*	241.8*	26.6	49.5	89.5	140.7	217.6	415.5	753.4	1364.9	2672.9	6688.6
<b>Liver cirrhosis</b>													
1995	33.6*	1.8*	64.5*	14.9	25.9	39.3	58.6	84.1	107.0	121.7	109.8	129.0	92.6
2000	25.5*	1.2*	49.2*	11.5	17.5	37.8	40.8	65.8	79.8	91.6	95.3	76.4	70.1
<b>Other medical causes</b>													
1995	242.7*	75.8*	221.9*	118.7	108.5	126.8	147.2	224.0	322.7	505.6	782.7	1328.9	3439.7
2000	243.4*	67.7*	227.9*	130.8	123.1	151.9	151.9	222.6	323.8	491.1	772.4	1379.3	3488.8
<b>All non-medical causes</b>													
1995	86.5*	62.9*	95.1*	82.7	85.1	84.2	83.4	102.3	107.0	121.3	163.0	185.5	353.9
2000	65.0*	42.4*	74.5*	60.3	67.3	67.6	60.8	68.8	89.3	107.7	128.1	158.6	312.3

Rates and calculations for some earlier years are in Peto, Lopez *et al*, 1994

## 1995, 2000: PORTUGAL

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1486	188	4	2	182	8	39	81	25	737	408
35-69	Sm.	114	41	34	2	5	12	2	33	-	26	-
	Total	9534	3467	216	56	3195	139	231	2752	390	1992	563
		(1%)	(1%)	(16%)	(4%)	(0%)	(9%)	(1%)	(1%)		(1%)	
70+	Sm.	78	21	16	2	3	14	3	27	-	13	-
	Total	38485	4759	251	139	4369	696	2281	20807	175	9184	583
		(0%)	(0%)	(6%)	(1%)	(0%)	(2%)	(0%)	(0%)		(0%)	
Any age	Sm.	192	62	50	4	8	26	5	60	-	39	-
	Total	49505	8414	471	197	7746	843	2551	23640	590	11913	1554
		(0%)	(1%)	(11%)	(2%)	(0%)	(3%)	(0%)	(0%)		(0%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1180	158	3	1	154	5	28	69	14	675	231
35-69	Sm.	209	82	66	6	10	22	5	49	-	51	-
	Total	8991	3458	257	69	3132	132	304	2208	305	2126	458
		(2%)	(2%)	(26%)	(9%)	(0%)	(17%)	(2%)	(2%)		(2%)	
70+	Sm.	267	59	44	7	8	71	14	81	-	42	-
	Total	40296	5139	273	153	4713	755	3462	20042	156	10129	613
		(1%)	(1%)	(16%)	(5%)	(0%)	(9%)	(0%)	(0%)		(0%)	
Any age	Sm.	476	141	110	13	18	93	19	130	-	93	-
	Total	50467	8755	533	223	7999	892	3794	22319	475	12930	1302
		(1%)	(2%)	(21%)	(6%)	(0%)	(10%)	(1%)	(1%)		(1%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	5196.9	2408.0	2191.6	357.7	343.2	328.0	294.9	296.4	296.2	275.2	235.0	162.5	199.8
2000	5291.6	2318.8	2297.0	379.9	366.0	347.4	328.8	294.3	292.7	287.9	256.9	201.3	217.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	49505	1486	9534	342	540	680	948	1421	2225	3378	5534	7349	25602
2000	50467	1180	8991	390	532	746	1007	1225	1940	3151	5339	7963	26994
<b>Lung cancer</b>													
1995	471	4	216	5	12	22	25	34	56	62	80	55	116
2000	533	3	257	11	15	23	34	40	55	79	87	84	102
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	620.7*	64.3*	462.8*	95.6	157.3	207.3	321.5	479.4	751.2	1227.5	2354.9	4522.5	12813.8
2000	572.0*	51.7*	420.4*	102.7	145.4	214.7	306.3	416.2	662.8	1094.5	2078.2	3955.8	12405.3
<b>All cancer</b>													
1995	121.2*	7.5*	167.2*	33.0	67.6	86.6	146.5	200.1	268.1	368.5	548.9	739.1	1135.1
2000	116.1*	6.5*	161.0*	32.6	57.7	94.7	142.0	187.6	262.7	349.4	517.3	700.9	1102.5
<b>Lung cancer</b>													
1995	6.9*	0.2*	10.4*	1.4	3.5	6.7	8.5	11.5	18.9	22.5	34.0	33.8	58.1
2000	7.4*	0.1*	12.0*	2.9	4.1	6.6	10.3	13.6	18.8	27.4	33.9	41.7	46.9
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.6*	0.1*	2.7*	-	0.9	0.9	2.7	3.7	5.7	5.1	14.0	20.3	36.5
2000	2.8*	0.1*	3.2*	0.3	1.1	4.3	3.6	1.7	4.1	6.9	12.8	17.4	39.1
<b>Other cancer</b>													
1995	111.7*	7.3*	154.0*	31.6	63.2	79.0	135.3	184.9	243.4	340.8	500.9	684.9	1040.5
2000	105.9*	6.3*	145.8*	29.5	52.5	83.8	128.0	172.3	239.8	315.0	470.6	641.8	1016.5
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	10.3*	0.3*	6.8*	0.6	1.5	1.2	7.1	7.8	13.2	16.4	48.1	96.6	213.2
2000	9.7*	0.2*	6.3*	0.3	0.8	3.7	4.3	5.1	8.2	21.5	45.5	77.5	221.5
<b>Other respiratory disease</b>													
1995	29.1*	1.6*	11.3*	2.5	2.6	5.5	4.4	10.5	16.9	36.7	101.7	225.8	838.3
2000	38.7*	1.2*	14.4*	3.9	3.8	3.7	6.4	12.2	24.3	46.5	122.2	277.7	1189.8
<b>Vascular disease</b>													
1995	272.4*	3.1*	136.0*	12.3	20.4	37.2	62.7	119.1	239.0	461.5	1054.9	2392.0	7227.7
2000	230.2*	2.8*	105.4*	13.7	19.9	30.5	56.6	86.3	170.5	360.5	824.1	1853.5	6523.0
<b>Liver cirrhosis</b>													
1995	9.8*	0.9*	18.6*	3.4	10.2	13.4	16.6	26.0	28.4	32.3	26.4	35.1	28.0
2000	7.5*	0.5*	13.8*	5.8	6.8	12.4	16.4	15.6	23.2	16.3	25.3	23.8	19.8
<b>Other medical causes</b>													
1995	152.3*	34.2*	96.5*	29.4	35.5	44.5	59.3	87.4	149.9	269.3	520.0	949.5	3212.7
2000	150.6*	30.8*	98.8*	34.5	44.0	53.0	61.4	88.0	145.9	264.7	495.1	943.9	3197.2
<b>All non-medical causes</b>													
1995	25.5*	16.6*	26.4*	14.5	19.5	18.9	24.8	28.7	35.8	42.9	54.9	84.3	158.7
2000	19.3*	9.7*	20.7*	11.8	12.3	16.7	19.2	21.4	28.0	35.4	48.7	78.5	151.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## PORTUGAL: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 3.2	– / 1.2	–
35–69	3.9 / 18	0.2 / 9.0	23 years
70+	3.7 / 34	0.3 / 40	8 years
All ages	7.6 / 55	0.5 / 50	16 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

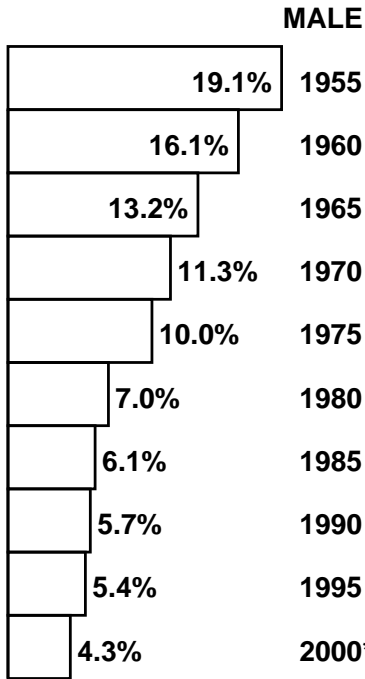
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.1/1.3	0.9/1.1	2.0/2.3	–/0.0	0.1/0.3	0.0/0.3	0.1/0.5
All Cancer	–/0.2	1.9/5.4 (34%)	1.4/7.1 (20%)	3.3/13	–/0.2	0.1/3.5 (2%)	0.1/5.1 (1%)	0.1/8.8
Vascular	–/0.1	0.8/4.4	0.8/14	1.6/19	–/0.1	0.0/2.2	0.1/20	0.1/22
Respiratory	–/0.1	0.4/1.0	0.9/4.5	1.3/5.6	–/0.0	0.0/0.4	0.1/4.2	0.1/4.7
All Other	–/2.8	0.9/6.9	0.4/8.7	1.4/18	–/0.9	0.1/2.9	0.0/11	0.1/15
All Causes	–/3.2	3.9/18 (22%)	3.7/34 (11%)	7.6/55	–/1.2	0.2/9.0 (2%)	0.3/40 (0.7%)	0.5/50

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	3.3 / 13 (26%)	0.1 / 8.8 (2%)	3.4 / 21 (16%)
All Causes	7.6 / 55 (14%)	0.5 / 50 (0.9%)	8.1 / 106 (8%)

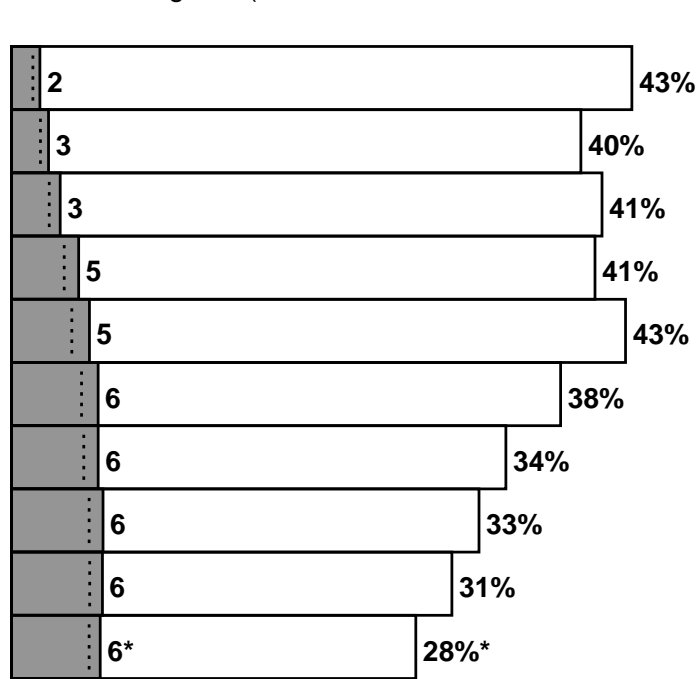
1955-2000: PORTUGAL

**Population risk of dying at ages 0-34**



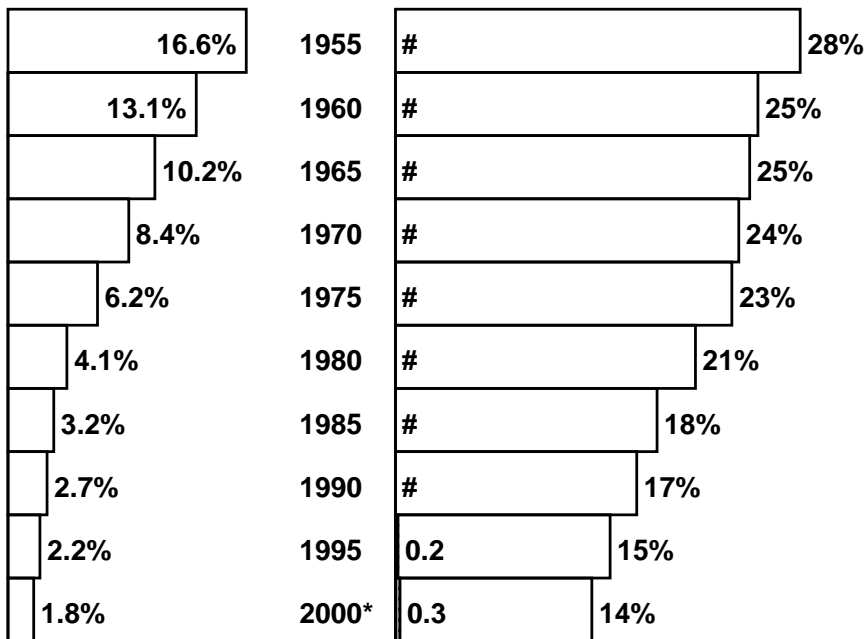
**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

\*eg, at year 2000 male death rates, out of 100 men aged 35, 28 would die before age 70 (with 6 of these deaths attributed to smoking)



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

<b>PORTUGAL: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/18	0.8/17 <b>( 5%)</b>	0.3/16 <b>( 2%)</b>	1.1/50	-/15	0.0/12	0.0/22	0.0/49
1960	-/15	1.1/16 <b>( 7%)</b>	0.2/17 <b>(0.9%)</b>	1.2/48	-/12	0.0/11	0.0/23	0.0/47
1965	-/13	1.5/18 <b>( 8%)</b>	0.4/18 <b>( 2%)</b>	2.0/49	-/9.5	0.0/12	0.0/25	0.0/46
1970	-/9.5	2.1/18 <b>(12%)</b>	0.7/20 <b>( 3%)</b>	2.8/47	-/7.0	0.0/12	0.0/27	0.0/46
1975	-/8.0	2.7/21 <b>(13%)</b>	1.2/22 <b>( 5%)</b>	3.9/51	-/5.0	0.0/12	0.0/29	0.0/47
1980	-/6.0	3.1/19 <b>(16%)</b>	1.6/24 <b>( 7%)</b>	4.7/50	-/3.3	0.0/11	0.0/31	0.0/45
1985	-/4.8	3.4/19 <b>(18%)</b>	2.3/27 <b>( 9%)</b>	5.7/51	-/2.3	0.0/10	0.0/34	0.0/46
1990	-/4.2	3.8/19 <b>(20%)</b>	2.8/30 <b>( 9%)</b>	6.6/53	-/1.8	0.0/10	0.0/37	0.0/50
1995	-/4.0	3.9/19 <b>(21%)</b>	3.2/32 <b>(10%)</b>	7.1/54	-/1.5	0.1/9.5 <b>( 1%)</b>	0.1/38 <b>(0.2%)</b>	0.2/50
2000	-/3.2	3.9/18 <b>(22%)</b>	3.7/34 <b>(11%)</b>	7.6/55	-/1.2	0.2/9.0 <b>( 2%)</b>	0.3/40 <b>(0.7%)</b>	0.5/50

**50-year total\* (thousands), mid-1950 to mid-2000: 199 / 4939**

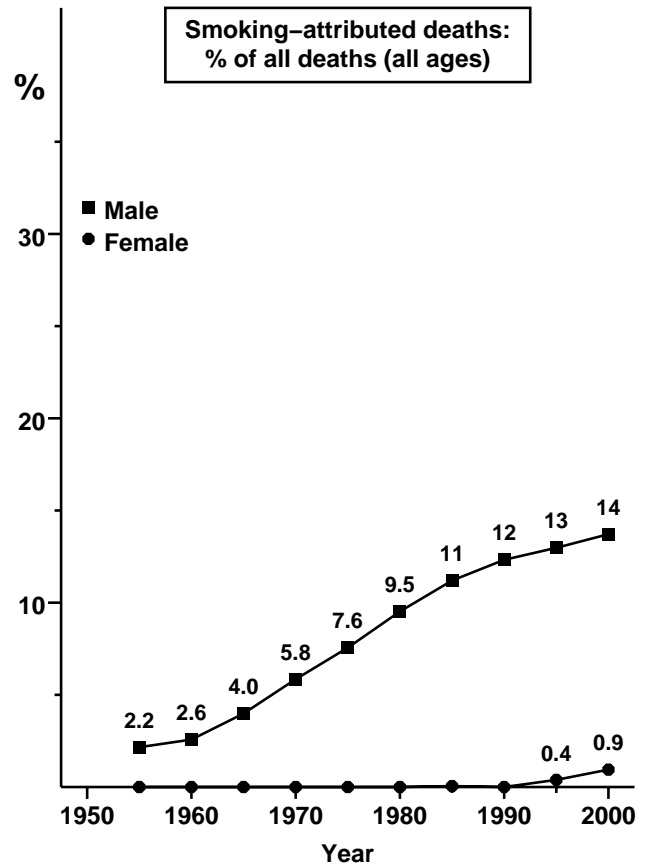
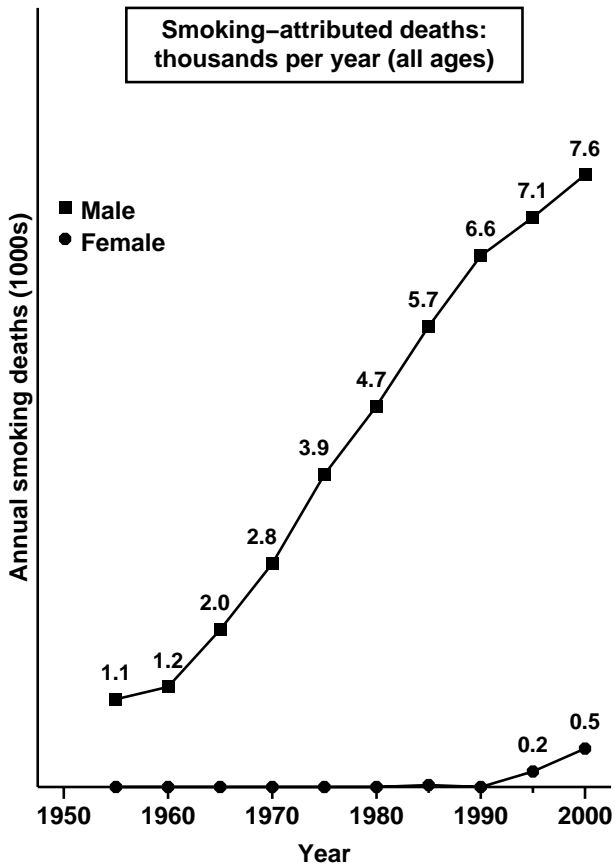
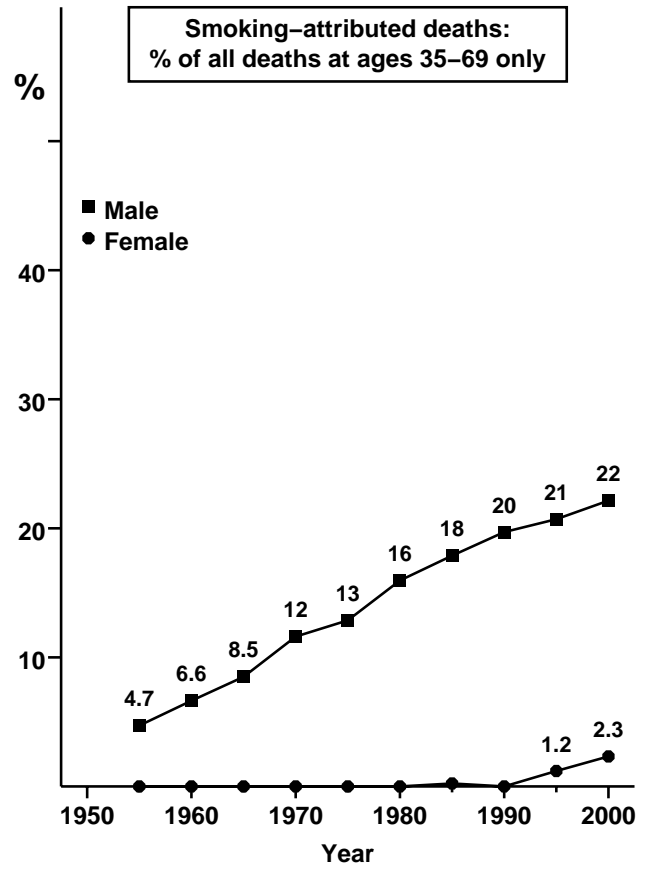
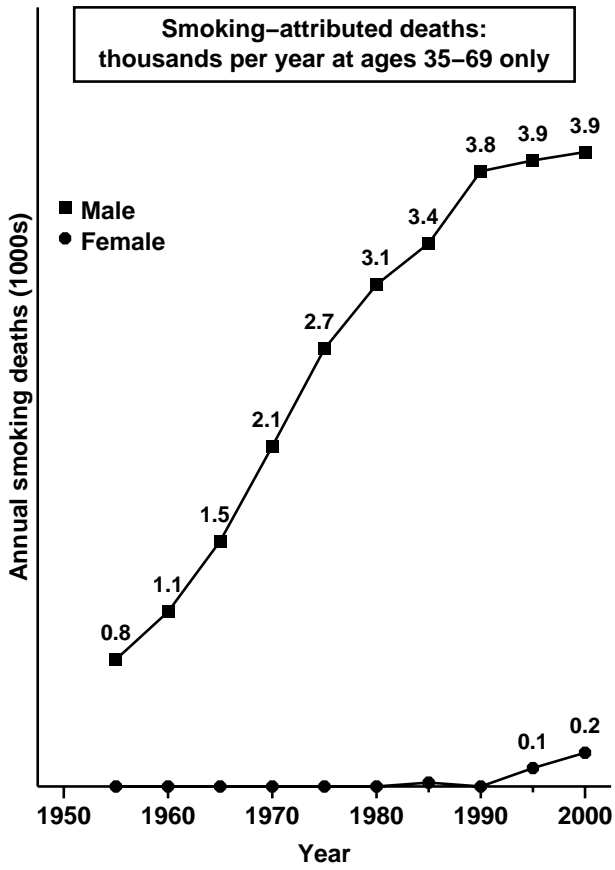
**1950-2000 by age & sex:**

-/476	123/933 <b>(13%)</b>	74/1152 <b>( 6%)</b>	197/2560	-/335	1.4/561 <b>(0.2%)</b>	0.8/1482 <b>(0.1%)</b>	2.2/2379
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

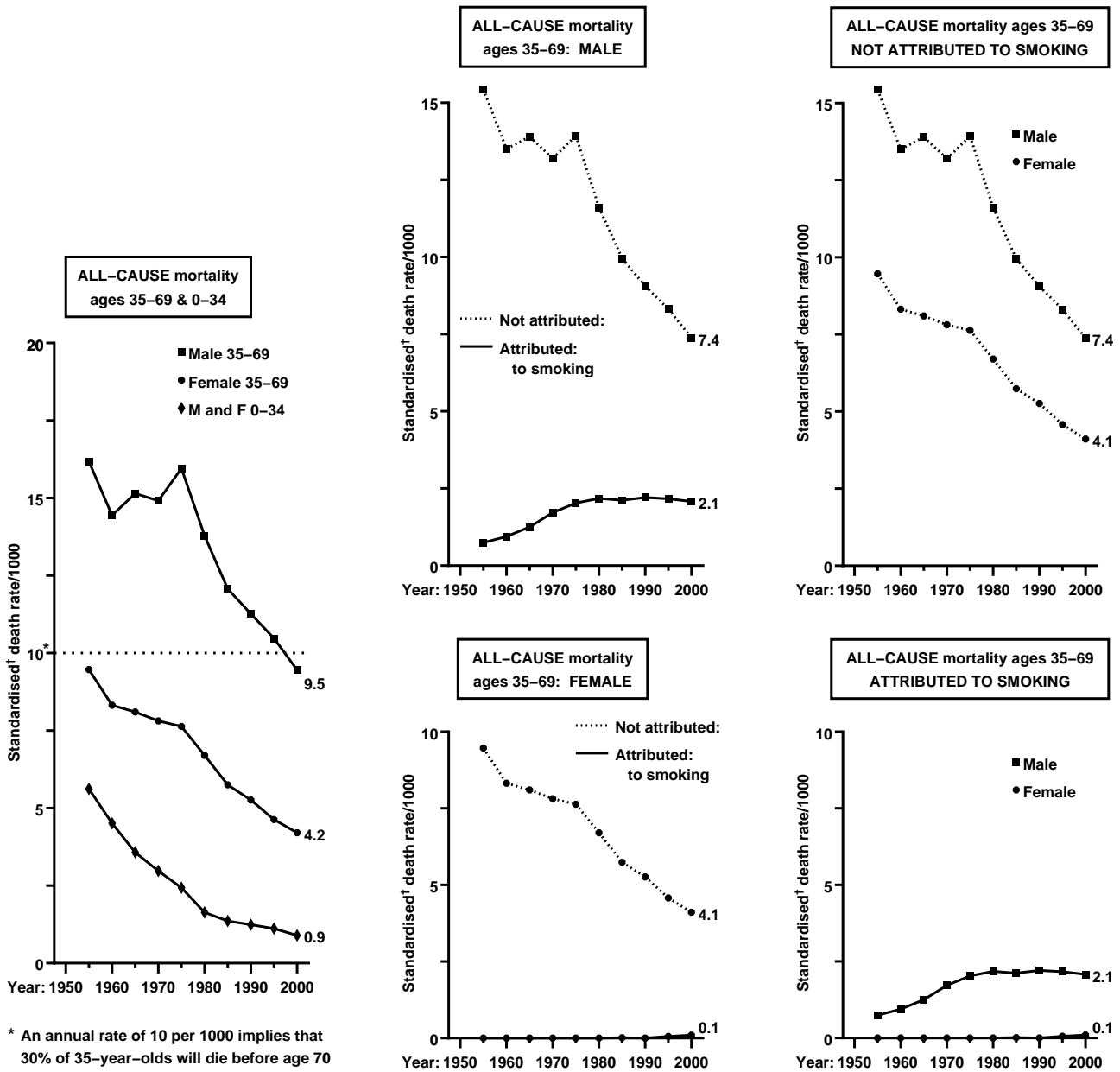


1955-2000: PORTUGAL



PORTUGAL: 1955-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

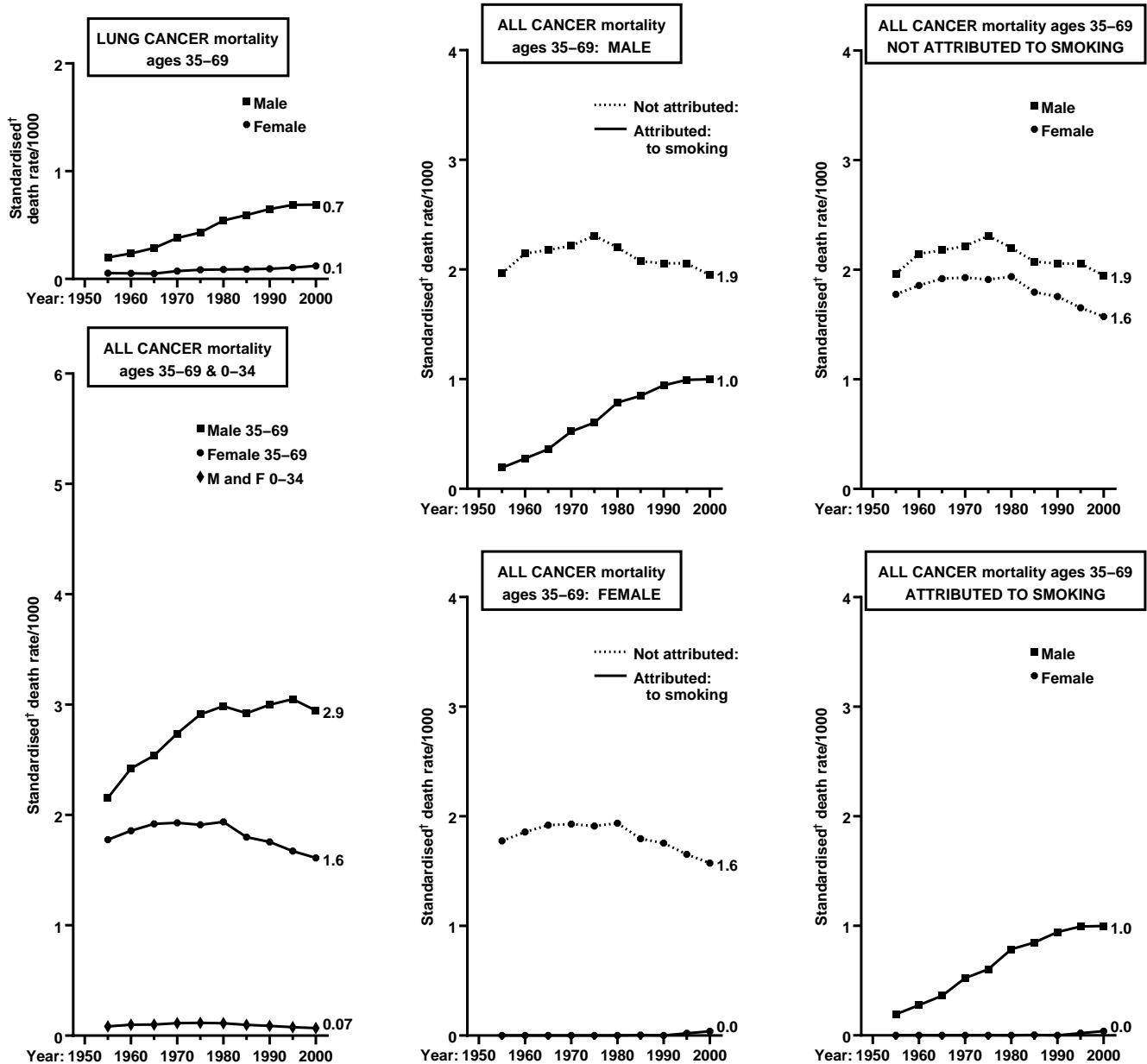
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	-	6.04	0.74	15.4	1.98	91.6	-	5.19	0.00	9.46	0.00	67.8	-	5.19	0.00	67.8
1960	-	5.00	0.94	13.5	0.93	80.3	-	4.02	0.00	8.32	0.00	60.3	-	4.02	0.00	60.3
1965	-	4.06	1.25	13.9	2.19	78.2	-	3.08	0.00	8.10	0.00	56.4	-	3.08	0.00	56.4
1970	-	3.43	1.72	13.2	3.25	78.6	-	2.51	0.00	7.81	0.00	57.5	-	2.51	0.00	57.5
1975	-	3.02	2.03	13.9	5.41	88.6	-	1.84	0.00	7.63	0.00	59.2	-	1.84	0.00	59.2
1980	-	2.07	2.17	11.6	5.38	67.5	-	1.20	0.00	6.70	0.00	50.7	-	1.20	0.00	50.7
1985	-	1.79	2.12	9.95	6.45	61.4	-	0.93	0.01	5.74	0.00	41.2	-	0.93	0.00	41.2
1990	-	1.69	2.21	9.06	6.92	56.0	-	0.79	0.00	5.26	0.00	39.1	-	0.79	0.00	39.1
1995	-	1.58	2.16	8.31	6.48	50.2	-	0.64	0.05	4.57	0.17	34.2	-	0.64	0.17	34.2
2000	-	1.27	2.07	7.38	6.70	45.8	-	0.52	0.10	4.11	0.27	29.9	-	0.52	0.27	29.9

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: PORTUGAL

ALL CANCER mortality rates attributed and not attributed to smoking



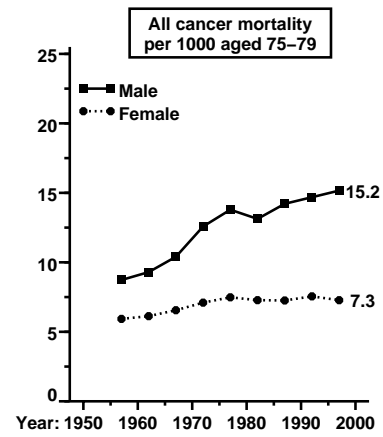
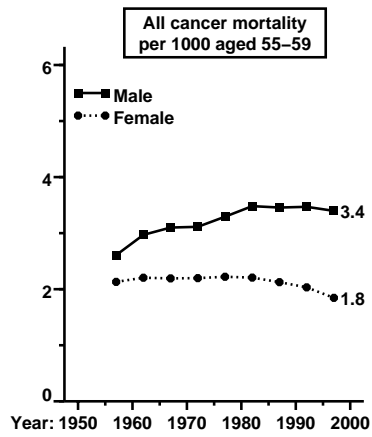
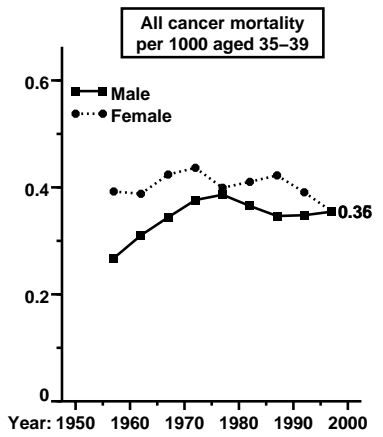
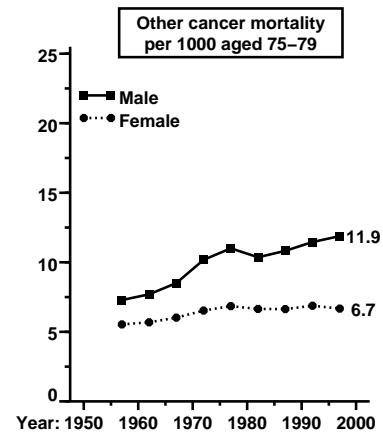
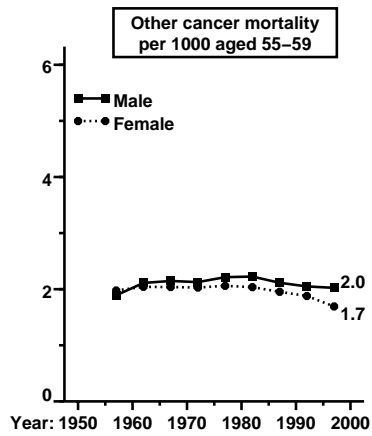
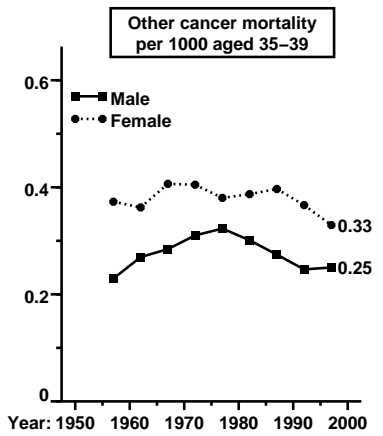
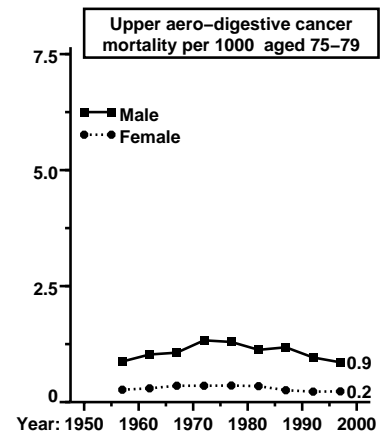
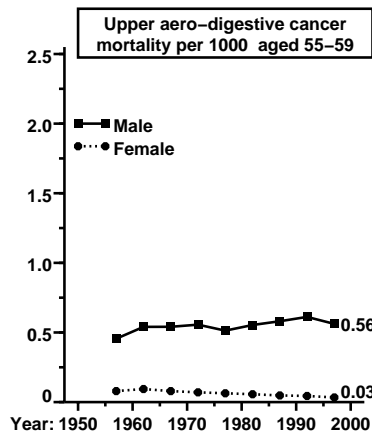
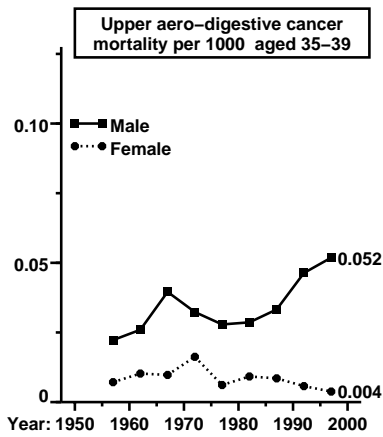
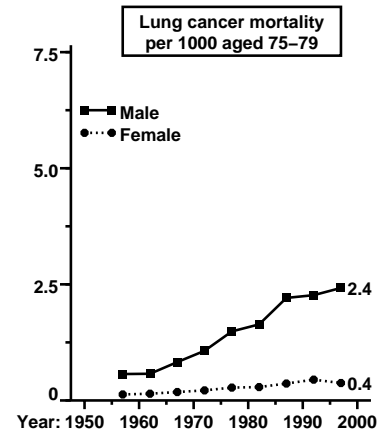
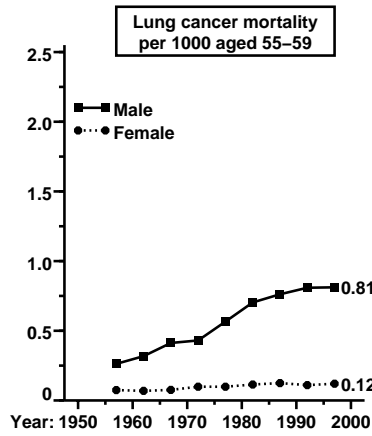
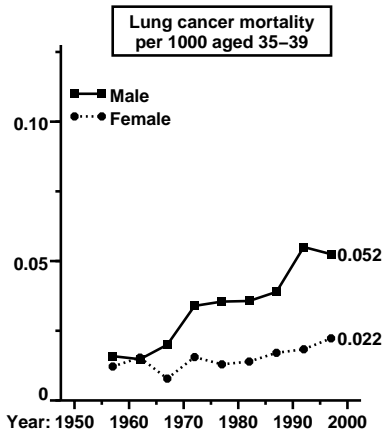
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)						FEMALE cancer mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...
1955	-	0.08	0.19	1.96	0.47	7.43	-	0.08	0.00	1.77	0.00	5.51
1960	-	0.11	0.28	2.14	0.23	8.09	-	0.09	0.00	1.86	0.00	5.28
1965	-	0.11	0.36	2.18	0.58	8.55	-	0.09	0.00	1.92	0.00	5.95
1970	-	0.11	0.52	2.22	0.87	9.39	-	0.11	0.00	1.93	0.00	6.04
1975	-	0.12	0.60	2.31	1.43	10.7	-	0.11	0.00	1.91	0.00	6.65
1980	-	0.12	0.79	2.20	1.77	9.98	-	0.11	0.00	1.94	0.00	6.51
1985	-	0.10	0.85	2.07	2.36	9.87	-	0.09	0.00	1.79	0.00	6.02
1990	-	0.09	0.94	2.06	2.71	9.90	-	0.09	0.00	1.75	0.00	6.68
1995	-	0.08	0.99	2.06	2.79	10.5	-	0.08	0.02	1.65	0.04	6.40
2000	-	0.07	1.00	1.95	3.05	10.2	-	0.06	0.04	1.57	0.08	6.01

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**PORTUGAL: 1955-2000**

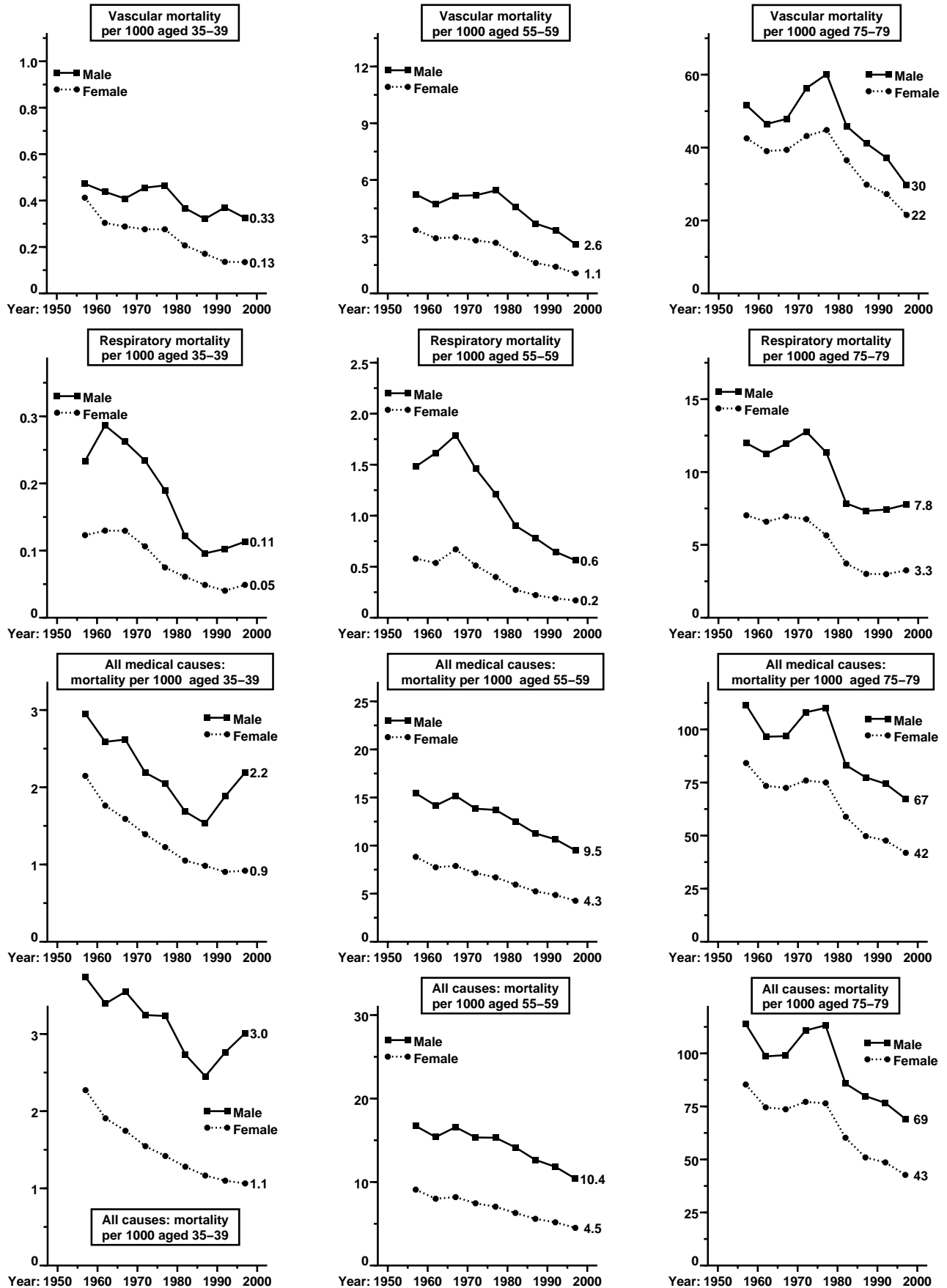
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 386-387

1955-2000: PORTUGAL

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1955-59,.....,1995-99; year 2000 on pages 386-387

## ROMANIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	136325	8709	63947	1358.0	167.9	1612.8	518.9	52.6	70.0	85.3	106.6	143.8	197.8
	F	119495	4714	33962	868.9	102.1	755.6	420.2	35.8	46.7	41.0	42.5	49.1	79.1
Tuberculosis	M	1776	177	1442	17.0	2.8	32.8	0.7	0.5	0.2	0.5	1.9	5.4	10.8
	F	354	66	219	2.9	1.2	4.6	1.3	0.3	0.5	0.9	0.6	1.0	3.5
HIV	M	260	229	31	2.2	3.8	0.7	0.4	1.9	21.2	0.7	0.2	0.8	1.4
	F	226	202	23	2.0	3.5	0.5	0.9	1.7	18.7	0.4	0.8	0.9	1.1
Other infective and parasitic	M	279	149	90	3.1	3.4	2.1	18.9	1.0	1.0	0.7	0.8	0.6	0.9
	F	275	148	69	2.9	3.5	1.5	19.5	1.2	1.6	0.5	1.2	0.3	0.5
ALL CANCER	M	23733	636	15000	223.9	10.9	382.9	7.4	8.9	5.9	8.1	10.9	13.0	21.8
	F	17236	563	9583	130.1	9.9	210.4	6.0	6.6	5.1	7.5	7.6	11.6	24.6
Mouth and pharynx cancer	M	1271	17	1035	12.3	0.3	25.0	-	0.3	0.1	0.1	0.5	0.2	0.7
	F	217	8	130	1.7	0.1	2.8	-	-	-	0.2	0.2	-	0.5
Oesophagus cancer	M	405	1	300	3.9	0.0	7.5	-	-	-	0.1	-	-	-
	F	99	1	48	0.7	0.0	1.1	-	-	-	-	-	0.1	-
Stomach cancer	M	2570	30	1523	23.8	0.5	39.6	-	-	-	-	0.2	0.8	2.3
	F	1349	19	600	9.5	0.3	13.4	-	-	0.1	0.1	0.5	0.5	0.9
Colorectal cancer	M	2028	35	1042	19.0	0.6	27.2	-	-	0.1	0.5	0.6	1.1	1.5
	F	1780	24	767	12.6	0.4	17.1	-	-	-	0.4	0.1	0.8	1.5
Liver cancer	M	1310	13	772	12.2	0.2	20.0	0.4	-	0.1	0.2	0.2	0.1	0.5
	F	787	9	371	5.6	0.2	8.4	0.2	0.3	-	0.1	0.2	-	0.3
Pancreas cancer	M	1186	13	730	11.3	0.2	18.7	-	-	-	-	-	0.2	1.2
	F	818	5	413	5.8	0.1	9.3	0.2	-	-	-	0.2	-	0.2
Larynx cancer	M	793	3	614	7.6	0.1	15.3	-	0.2	-	-	-	-	0.2
	F	51	1	31	0.4	0.0	0.7	-	-	-	-	0.1	-	-
Lung cancer	M	6959	46	5218	65.1	0.7	133.4	0.2	0.2	-	0.1	0.4	1.5	2.9
	F	1548	17	874	11.4	0.3	19.4	-	-	0.1	0.1	0.3	0.3	1.0
Malignant melanoma	M	174	9	109	1.7	0.1	2.7	-	-	-	-	0.2	0.1	0.7
	F	160	6	86	1.3	0.1	1.8	-	-	0.1	-	0.1	0.3	0.1
Female breast cancer	F	2949	33	1925	23.1	0.5	41.9	-	-	-	0.1	0.1	1.0	2.5
Cervix cancer	F	1784	82	1274	14.7	1.3	26.9	-	-	-	-	0.4	2.2	6.7
Other uterine cancer	F	745	12	443	5.7	0.2	9.7	-	-	-	-	-	-	1.4
Ovarian cancer	F	870	25	621	6.9	0.4	13.6	-	-	0.1	0.4	0.1	0.8	1.5
Prostate cancer	M	1512	3	405	14.8	0.0	11.2	-	-	-	0.1	-	0.1	0.1
Bladder cancer	M	980	1	490	9.3	0.0	13.1	-	0.2	-	-	-	-	-
	F	252	-	98	1.8	-	2.2	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	3377	254	2117	32.0	4.4	53.1	4.2	3.2	2.0	4.2	4.7	5.2	7.1
	F	2898	189	1408	21.8	3.5	31.2	3.5	3.1	2.7	3.9	2.8	3.5	4.7
Hodgkin's disease	M	92	23	54	0.8	0.4	1.3	-	0.2	0.1	0.2	0.6	0.9	0.5
	F	69	14	42	0.6	0.2	0.9	-	0.2	0.1	0.1	0.2	0.3	0.7
Myeloma and non- Hodgkin lymphomas	M	489	57	312	4.5	1.0	7.8	0.5	0.8	1.0	0.8	0.9	1.0	1.6
	F	361	33	201	2.7	0.6	4.4	0.4	0.2	0.1	0.6	0.5	0.9	1.2
Leukaemia	M	587	131	279	5.4	2.4	7.1	2.1	3.9	2.4	1.7	2.5	1.7	2.3
	F	499	85	251	3.9	1.6	5.6	1.7	2.9	1.6	1.4	1.6	0.7	1.5
Diabetes	M	794	14	446	7.4	0.2	11.4	-	-	-	-	0.2	0.7	0.7
	F	1077	17	507	7.6	0.3	11.4	0.2	-	-	-	0.4	0.5	0.9
ALL VASCULAR DISEASE	M	75512	537	28663	767.3	8.7	744.0	3.4	0.6	1.7	3.2	7.4	13.0	31.3
	F	81895	216	16405	569.0	3.7	370.7	2.2	1.5	0.1	1.2	4.2	5.7	10.9
Rheumatic heart disease and fever	M	318	18	215	3.1	0.3	5.4	0.2	-	0.1	0.2	0.5	0.2	0.8
	F	419	16	244	3.2	0.3	5.4	-	0.2	-	0.2	0.2	0.7	0.6
Hypertensive disease	M	6270	16	2099	63.1	0.2	55.8	-	-	-	-	0.3	0.5	1.0
	F	9035	10	1802	61.9	0.2	40.9	-	-	-	-	0.1	0.3	0.7
Ischaemic heart disease	M	28051	232	12289	282.1	3.6	314.4	-	-	-	0.8	2.7	6.1	15.9
	F	26376	43	5686	183.2	0.7	128.5	-	-	-	-	0.9	0.9	3.1
Pulmonary embolism and other venous	M	414	15	234	4.0	0.2	5.9	-	-	-	-	0.3	0.7	0.7
	F	425	11	191	3.1	0.2	4.2	-	-	-	0.1	0.4	0.2	0.5
Cerebrovascular disease	M	23848	117	9018	237.0	1.9	238.1	0.4	-	0.2	1.0	1.6	2.6	7.3
	F	28150	75	6522	193.9	1.3	147.5	0.6	0.3	-	0.1	1.6	2.3	3.8
Other vascular disease	M	16611	139	4808	178.1	2.4	124.3	2.8	0.6	1.4	1.2	2.0	2.9	5.7
	F	17490	61	1960	123.8	1.1	44.2	1.7	1.0	0.1	0.7	1.0	1.2	2.3
Chronic obstructive pulmonary disease	M	4094	27	1536	41.0	0.5	40.6	0.5	-	0.6	0.4	0.1	0.9	0.8
	F	2446	14	461	17.0	0.2	10.4	0.2	-	0.1	-	0.2	0.3	0.8
Other respiratory disease	M	4819	1153	2069	51.4	26.5	50.4	150.8	5.0	4.4	4.5	5.4	6.1	9.2
	F	3463	897	779	30.6	22.1	17.2	131.6	4.4	3.6	3.1	4.4	3.5	4.1
Peptic ulcer	M	461	16	290	4.4	0.3	7.1	-	-	-	0.2	0.4	0.1	1.0
	F	238	1	77	1.7	0.0	1.7	-	-	-	-	-	-	0.1
Liver cirrhosis	M	6144	134	4667	58.3	2.1	113.5	-	0.2	0.8	1.1	1.2	2.9	8.7
	F	3685	63	2307	28.2	1.0	50.6	0.2	-	0.4	0.9	0.8	1.6	3.5
Renal disease	M	1042	51	508	10.1	0.9	12.8	0.5	0.8	0.1	0.4	0.8	1.5	2.0
	F	970	33	463	7.0	0.6	10.2	0.2	0.2	0.4	0.2	0.8	1.3	0.9
Pregnancy, birth Congenital and perinatal causes	F	76	55	21	0.7	0.9	0.4	-	-	-	1.2	1.5	2.0	1.6
	M	1452	1428	23	20.2	35.7	0.5	245.0	1.8	0.7	0.6	0.7	0.6	0.5
	F	1052	1032	17	15.3	27.1	0.4	185.0	2.2	0.7	0.9	0.6	0.3	0.2
Ill-defined causes	M	215	61	129	2.1	1.1	2.9	1.9	0.2	0.3	0.8	1.2	1.0	2.0
	F	105	21	55	0.9	0.4	1.2	1.3	-	-	0.2	0.3	0.1	0.9
Other medical causes	M	4781	693	2684	47.0	13.7	64.8	45.0	6.9	4.9	6.8	8.0	11.6	12.5
	F	2948	404	1300	23.4	8.4	28.6	29.6	4.1	4.6	4.5	4.5	4.4	7.5
ALL NON- MEDICAL CAUSES	M	10963	3404	6369	102.6	57.4	146.2	44.4	24.9	28.2	57.2	67.3	85.8	94.1
	F	3449	982	1676	29.7	19.1	35.8	42.0	13.6	10.9	19.4	14.5	15.4	18.1
Road traffic accidents	M	1930	671	1045	17.8	11.2	23.9	4.1	8.4	4.9	10.9	15.8	17.0	17.4
	F	718	243	324	6.0	4.5	6.9	3.5	5.6	2.8	6.9	5.1	4.2	3.3
Fire	M	313	84	156	3.0	1.4	3.6	1.6	0.5	0.8	1.7	1.0	2.4	2.2
	F	171	38	65	1.5	0.8	1.4	3.5	0.3	0.1	0.4	0.4	0.1	0.9
Suicide	M	2325	575	1530	21.6	9.1	34.9	-	0.2	2.5	8.6	11.9	19.6	20.9
	F	511	96	303	4.2	1.6	6.4	-	-	0.7	2.2	1.5	2.8	3.8
Homicide	M	588	211	323	5.4	3.4	7.3	1.6	0.6	0.6	3.8	4.9	5.3	7.3
	F	225	61	117	1.9	1.2	2.4	2.2	0.7	0.1	1.0	1.0	1.5	1.6
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		10806	5674	4377	567	619	883	837	971	887	909
			<b>F=female</b>		11310	5452	4724	538	589	850	803	929	859	885

## 2000: ROMANIA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
347.0	581.8	882.3	1252.5	1872.4	2654.6	3699.4	5446.0	8277.1	16708.9	M	ALL CAUSES	001-999/A00-Y89
148.7	233.6	364.8	500.4	811.8	1220.6	2009.4	3516.6	6300.0	15285.1	F		
22.2	32.0	39.1	36.7	40.3	30.1	29.3	25.9	15.4	15.6	M	Tuberculosis	010-018, 137/ A15-A19, B90
4.2	3.7	6.4	2.7	4.7	4.0	6.9	7.1	5.8	4.6	F		
1.4	1.3	0.6	0.5	0.8	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
1.8	0.3	0.4	0.4	0.4	0.1	0.2	0.2	-	-	F		
1.4	2.0	1.7	2.0	1.2	3.0	3.3	4.7	6.0	5.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.6	1.4	0.5	1.6	1.4	2.2	2.6	4.7	4.7	6.5	F		
41.0	95.9	184.5	313.0	500.3	685.9	859.9	1027.3	1118.0	1112.6	M	ALL CANCER	140-208/C00-C97
59.1	90.9	139.5	176.9	252.9	323.7	429.7	555.9	676.3	688.9	F		
2.4	10.7	22.4	34.0	37.7	36.5	30.9	30.7	30.0	22.7	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	1.9	2.9	2.2	3.8	2.5	5.9	3.5	6.3	14.5	F		
0.6	2.4	2.8	11.0	11.8	11.7	12.3	13.4	14.6	13.5	M	Oesophagus cancer	150/C15
0.3	0.3	0.2	0.9	1.3	1.5	3.1	2.9	5.5	5.7	F		
4.1	7.8	16.3	23.7	47.5	69.7	108.1	131.6	153.2	111.9	M	Stomach cancer	151/C16
2.1	3.7	6.4	7.7	15.1	23.8	34.9	54.8	74.1	69.5	F		
3.0	6.1	8.5	16.6	30.5	50.7	74.7	117.1	130.4	141.6	M	Colorectal cancer	153, 154/C18-C21
3.1	3.9	7.4	11.7	17.4	32.0	44.2	68.2	97.2	110.3	F		
2.2	4.0	6.9	15.7	25.9	35.8	49.6	70.2	73.8	60.2	M	Liver cancer	155.0/C22 excl C221
1.0	2.4	2.5	4.4	14.2	12.1	22.4	34.6	41.3	30.9	F		
2.2	4.9	8.0	16.5	25.1	31.0	43.2	51.1	65.6	67.3	M	Pancreas cancer	157/C25
0.8	1.9	3.1	4.6	10.8	16.3	27.7	30.8	38.6	39.3	F		
1.0	4.7	9.4	17.6	22.9	25.2	26.6	23.3	27.0	17.0	M	Larynx cancer	161/C32
0.3	0.4	-	0.4	0.9	1.0	1.8	1.6	1.4	2.3	F		
7.6	27.9	64.3	110.5	183.1	258.8	281.6	267.3	208.5	133.9	M	Lung cancer	162/C33, C34
3.2	4.9	10.8	13.9	23.0	35.1	44.7	58.3	65.0	47.3	F		
0.8	1.3	2.1	2.0	3.8	4.3	4.5	6.3	5.6	13.5	M	Malignant melanoma	172/C43
1.3	1.1	1.1	3.1	1.3	3.1	1.8	4.5	6.1	8.8	F		
9.0	21.3	33.0	44.1	55.4	62.0	68.2	78.2	95.3	94.3	F	Female breast cancer	174/C50
19.9	24.1	32.3	26.2	29.1	27.0	29.7	35.9	43.8	32.8	F	Cervix cancer	180/C53
3.7	3.8	7.0	8.1	11.3	14.8	19.3	26.1	22.6	28.6	F	Other uterine cancer	179, 182/C54, C55
2.4	5.6	10.0	14.5	15.6	20.8	26.0	20.2	20.7	17.6	F	Ovarian cancer	183/C56, C570-C574
-	0.1	0.8	1.9	9.6	20.4	45.7	90.1	176.3	247.2	M	Prostate cancer	185/C61
0.6	1.3	2.4	8.3	15.8	23.9	38.9	53.5	68.6	88.5	M	Bladder cancer	188/C67
0.3	0.4	0.2	1.6	2.7	3.7	6.6	10.4	15.4	17.2	F		
10.8	18.8	31.4	42.7	68.8	90.4	109.2	130.2	119.3	163.6	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
6.4	10.7	17.3	26.5	39.7	49.1	68.4	97.8	111.8	151.5	F		
1.0	0.6	0.9	1.3	1.8	1.9	1.6	1.6	3.9	-	M	Hodgkin's disease	201/C81
1.0	0.9	0.9	0.1	0.9	1.9	0.5	0.8	1.9	0.8	F		
2.4	2.3	5.4	6.0	8.0	14.2	16.2	18.3	14.2	12.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.4	1.4	1.7	3.6	3.1	7.9	12.0	12.8	12.1	6.9	F	Leukaemia	204-208/C91-C95
2.2	2.9	2.8	5.3	7.8	11.5	16.8	22.5	27.0	19.8	M		
2.4	2.3	2.6	3.0	7.4	9.0	12.5	14.3	17.1	10.7	F		
1.6	2.9	5.7	7.4	11.2	20.4	30.9	43.0	44.2	47.5	M	Diabetes	250/E10-E14
2.1	1.6	2.6	6.4	11.3	21.8	34.3	45.4	55.9	45.4	F		
75.3	166.8	291.2	480.0	801.0	1314.4	2079.5	3467.2	5947.7	13609.8	M	ALL VASCULAR DISEASE	390-459/I00-I99
25.1	57.5	105.7	185.6	362.0	635.3	1223.6	2464.9	4911.6	13319.1	F		
1.3	2.2	3.6	4.1	8.8	6.9	10.9	9.7	11.6	14.9	M	Rheumatic heart disease and fever	390-398/I00-I09
1.4	1.5	2.9	5.5	6.8	9.7	9.9	10.8	15.7	17.9	F		
3.8	7.8	13.3	25.7	52.0	105.6	182.7	320.8	569.3	1136.0	M	Hypertensive disease	401-405/I10-I15
1.3	3.9	8.9	16.3	34.7	73.5	147.8	298.2	585.1	1366.8	F		
40.7	91.3	146.6	235.7	362.7	533.0	791.1	1229.6	2008.6	4359.8	M	Ischaemic heart disease	410-414/I20-I25
8.8	21.7	33.9	64.6	128.5	226.9	414.7	817.1	1585.4	4096.2	F		
1.4	1.7	3.6	3.5	7.0	9.9	14.5	17.3	21.5	34.7	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.8	1.8	2.1	2.4	4.1	7.9	10.4	15.1	17.4	31.7	F		
11.8	33.4	69.9	135.3	248.3	443.5	724.6	1229.6	2022.3	3758.5	M	Cerebrovascular disease	430-438/I60-I69
6.6	20.5	43.8	74.7	148.5	245.7	493.2	958.8	1803.0	3865.3	F		
16.4	30.4	54.3	75.8	122.2	215.5	355.7	660.4	1314.5	4305.9	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
6.1	8.1	14.2	22.2	39.4	71.6	147.6	365.0	905.0	3941.2	F		
2.9	6.0	12.0	20.7	41.9	75.7	124.9	204.4	335.5	686.3	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.3	1.9	3.0	5.3	8.4	18.8	34.8	69.7	143.8	417.6	F		
16.4	29.3	37.1	42.8	55.4	79.9	92.0	129.2	186.6	473.8	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
6.1	7.5	9.5	12.3	17.1	26.1	41.7	69.3	138.8	355.0	F		
3.3	2.4	5.3	7.4	7.6	10.6	13.1	16.8	20.6	30.5	M	Peptic ulcer	531-533/K25-K27
0.3	0.5	0.7	1.3	2.2	2.4	4.6	10.8	11.6	24.0	F		
25.1	58.7	92.8	112.3	149.4	168.0	188.4	191.3	179.3	138.1	M	Liver cirrhosis	571/K70, K74
11.6	21.7	34.4	41.9	65.4	83.8	95.4	117.5	119.8	107.6	F		
2.1	4.5	6.9	11.3	16.4	18.8	29.9	49.3	62.6	105.5	M	Renal disease	580-590/N00-N19
1.6	3.4	5.7	6.1	10.2	18.5	26.0	31.4	42.4	61.1	F		
1.8	1.3	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.6	0.5	0.5	0.8	0.4	-	0.8	-	0.4	-	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.5	0.3	0.6	0.3	0.2	0.3	0.3	0.2	0.3	0.4	F		
3.7	2.9	2.6	4.6	2.2	2.1	2.3	2.1	4.3	5.0	M	Ill-defined causes	780-799/R00-R99
1.0	1.0	1.0	0.9	0.7	1.5	2.1	1.0	2.2	6.1	F		
26.2	36.1	54.3	62.3	76.0	91.6	106.9	137.1	203.8	287.5	M	Other medical causes	Rest of 001-799/ rest of A00-R99
9.8	13.6	18.8	21.5	35.8	42.1	58.3	82.5	112.4	158.8	F		
123.8	140.5	148.0	150.6	168.1	153.8	138.2	147.8	152.7	191.2	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
22.8	27.1	35.9	37.2	39.2	39.7	48.8	56.0	74.4	90.1	F		
21.6	24.2	23.9	24.2	26.7	23.6	23.3	28.3	27.9	29.0	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.7	5.9	7.0	5.5	7.7	8.4	9.2	13.4	12.4	14.5	F		
3.0	3.2	3.9	2.8	3.8	4.4	4.1	4.7	13.3	17.0	M	Fire	E890-E899/X00-X09
0.6	0.9	0.5	1.2	2.0	1.5	3.5	3.7	3.9	13.4	F		
27.0	36.4	38.7	34.8	44.9	30.3	32.2	27.8	27.0	36.1	M	Suicide	E950-E959/X60-X84
3.4	4.8	8.1	8.1	6.3	7.5	6.4	9.2	8.8	12.6	F		
8.4	7.4	7.6	7.1	7.8	6.6	6.6	4.7	9.0	10.6	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.4	2.8	3.5	2.7	1.6	2.1	2.8	2.2	6.1	5.3	F		
629	782	777	637	499	564	488	382	233	141	M	POPULATION	
622	792	802	675	556	669	607	509	363	262	F	(1000s; UN, 2004 revision)	

<b>ROMANIA: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	10448	668	37	23	608	20	1564	616	200	3274	4106
35-69	Sm.	24470	7656	4942	1242	1472	1546	1135	11239	-	2894	-
	Total	75521	15032	5279	1785	7968	1980	2860	34351	5679	7309	8310
		(32%)	(51%)	(94%)	(70%)	(18%)	(78%)	(40%)	(33%)		(40%)	
70+	Sm.	5685	1420	996	151	273	1384	85	2631	-	165	-
	Total	62608	6176	1219	387	4570	2701	1471	47163	1331	2570	1196
		(9%)	(23%)	(82%)	(39%)	(6%)	(51%)	(6%)	(6%)		(6%)	
Any age	Sm.	30155	9076	5938	1393	1745	2930	1220	13870	-	3059	-
	Total	148577	21876	6535	2195	13146	4701	5895	82130	7210	13153	13612
		(20%)	(41%)	(91%)	(63%)	(13%)	(62%)	(21%)	(17%)		(23%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	8709	636	46	21	569	27	1153	537	134	2818	3404
35-69	Sm.	21089	7703	4891	1372	1440	1218	753	9282	-	2133	-
	Total	63947	15000	5218	1949	7833	1536	2069	28663	4667	5643	6369
		(33%)	(51%)	(94%)	(70%)	(18%)	(79%)	(36%)	(32%)		(38%)	
70+	Sm.	6536	2003	1406	208	389	1356	102	2887	-	188	-
	Total	63669	8097	1695	499	5903	2531	1597	46312	1343	2599	1190
		(10%)	(25%)	(83%)	(42%)	(7%)	(54%)	(6%)	(6%)		(7%)	
Any age	Sm.	27625	9706	6297	1580	1829	2574	855	12169	-	2321	-
	Total	136325	23733	6959	2469	14305	4094	4819	75512	6144	11060	10963
		(20%)	(41%)	(90%)	(64%)	(13%)	(63%)	(18%)	(16%)		(21%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	11124	5907	4568	817	818	683	548	638	578	487	336	135	178
2000	10806	5674	4377	629	782	777	637	499	564	488	382	233	141
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	148577	10448	75521	3940	5991	7185	8484	13642	16713	19566	20020	11885	30703
2000	136325	8709	63947	2184	4550	6856	7982	9334	14977	18064	20782	19294	23593
<b>Lung cancer</b>													
1995	6535	37	5279	111	260	434	686	1313	1347	1128	777	268	174
2000	6959	46	5218	48	218	500	704	913	1460	1375	1020	486	189
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1503.1*	198.3*	1838.0*	482.4	732.3	1052.6	1549.0	2136.9	2891.0	4021.8	5963.7	8816.8	17210.2
2000	1358.0*	167.9*	1612.8*	347.0	581.8	882.3	1252.5	1872.4	2654.6	3699.4	5446.0	8277.1	16708.9
<b>All cancer</b>													
1995	213.2*	11.8*	370.9*	50.0	98.3	185.5	328.6	502.2	634.7	797.3	936.8	1040.1	913.1
2000	223.9*	10.9*	382.9*	41.0	95.9	184.5	313.0	500.3	685.9	859.9	1027.3	1118.0	1112.6
<b>Lung cancer</b>													
1995	62.9*	0.7*	129.2*	13.6	31.8	63.6	125.3	205.7	233.0	231.9	231.5	198.8	97.5
2000	65.1*	0.7*	133.4*	7.6	27.9	64.3	110.5	183.1	258.8	281.6	267.3	208.5	133.9
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	21.4*	0.4*	43.4*	5.4	13.3	32.4	48.9	58.9	68.5	76.3	62.3	61.6	53.3
2000	23.8*	0.4*	47.8*	4.0	17.9	34.6	62.6	72.4	73.4	69.8	67.3	71.6	53.1
<b>Other cancer</b>													
1995	128.9*	10.7*	198.3*	31.0	53.2	89.5	154.5	237.6	333.2	489.2	643.1	779.7	762.3
2000	135.0*	9.8*	201.7*	29.4	50.1	85.6	140.0	244.7	353.8	508.5	692.6	837.8	925.6
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	48.3*	0.4*	50.7*	3.6	6.8	14.2	27.6	53.1	102.2	147.4	238.6	373.9	782.5
2000	41.0*	0.5*	40.6*	2.9	6.0	12.0	20.7	41.9	75.7	124.9	204.4	335.5	686.3
<b>Other respiratory disease</b>													
1995	61.3*	33.0*	65.8*	32.8	50.4	54.4	64.8	80.5	83.0	94.6	136.1	200.3	417.0
2000	51.4*	26.5*	50.4*	16.4	29.3	37.1	42.8	55.4	79.9	92.0	129.2	186.6	473.8
<b>Vascular disease</b>													
1995	849.8*	11.5*	864.0*	105.8	208.7	366.1	591.2	954.7	1479.8	2341.8	3934.5	6435.5	14170.4
2000	767.3*	8.7*	744.0*	75.3	166.8	291.2	480.0	801.0	1314.4	2079.5	3467.2	5947.7	13609.8
<b>Liver cirrhosis</b>													
1995	69.8*	3.8*	134.7*	41.5	75.3	94.3	145.7	159.3	205.0	222.0	229.7	211.4	154.1
2000	58.3*	2.1*	113.5*	25.1	58.7	92.8	112.3	149.4	168.0	188.4	191.3	179.3	138.1
<b>Other medical causes</b>													
1995	133.0*	66.8*	168.3*	96.1	121.5	138.9	174.7	189.1	208.6	249.1	312.2	371.7	572.3
2000	113.5*	61.8*	135.2*	62.6	84.7	116.7	132.9	156.3	176.7	216.5	278.8	357.4	497.2
<b>All non-medical causes</b>													
1995	127.7*	71.0*	183.6*	152.7	171.4	199.2	216.4	198.0	177.7	169.6	175.8	184.0	200.7
2000	102.6*	57.4*	146.2*	123.8	140.5	148.0	150.6	168.1	153.8	138.2	147.8	152.7	191.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994



## 1995, 2000: ROMANIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5545	579	26	11	542	13	1171	255	96	2172	1259
35-69	Sm.	2338	551	434	38	79	215	63	1265	-	244	-
	Total	38113	9344	838	182	8324	601	881	19000	2853	3286	2148
		(6%)	(6%)	(52%)	(21%)	(1%)	(36%)	(7%)	(7%)		(7%)	
70+	Sm.	1162	161	130	12	19	334	16	620	-	31	-
	Total	79437	5421	426	126	4869	2338	1585	65569	1264	2440	820
		(1%)	(3%)	(31%)	(10%)	(0%)	(14%)	(1%)	(1%)		(1%)	
Any age	Sm.	3500	712	564	50	98	549	79	1885	-	275	-
	Total	123095	15344	1290	319	13735	2952	3637	84824	4213	7898	4227
		(3%)	(5%)	(44%)	(16%)	(1%)	(19%)	(2%)	(2%)		(3%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4714	563	17	10	536	14	897	216	63	1979	982
35-69	Sm.	2249	601	467	49	85	180	59	1200	-	209	-
	Total	33962	9583	874	209	8500	461	779	16405	2307	2751	1676
		(7%)	(6%)	(53%)	(23%)	(1%)	(39%)	(8%)	(7%)		(8%)	
70+	Sm.	2634	404	325	28	51	671	40	1448	-	71	-
	Total	80819	7090	657	148	6285	1971	1787	65274	1315	2591	791
		(3%)	(6%)	(49%)	(19%)	(1%)	(34%)	(2%)	(2%)		(3%)	
Any age	Sm.	4883	1005	792	77	136	851	99	2648	-	280	-
	Total	119495	17236	1548	367	15321	2446	3463	81895	3685	7321	3449
		(4%)	(6%)	(51%)	(21%)	(1%)	(35%)	(3%)	(3%)		(4%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	11557	5688	4874	813	823	697	580	708	662	591	472	223	301
2000	11310	5452	4724	622	792	802	675	556	669	607	509	363	262
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	123095	5545	38113	1352	2197	2811	3522	6262	9038	12931	18247	14825	46365
2000	119495	4714	33962	925	1850	2926	3378	4517	8171	12195	17903	22869	40047
<b>Lung cancer</b>													
1995	1290	26	838	24	40	54	109	160	233	218	222	96	108
2000	1548	17	874	20	39	87	94	128	235	271	297	236	124
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	927.4*	113.4*	840.4*	166.4	266.9	403.3	607.2	884.1	1364.8	2189.8	3870.0	6659.9	15408.8
2000	868.9*	102.1*	755.6*	148.7	233.6	364.8	500.4	811.8	1220.6	2009.4	3516.6	6300.0	15285.1
<b>All cancer</b>													
1995	122.2*	10.7*	202.8*	53.8	87.1	130.3	184.0	243.7	322.3	398.8	524.9	585.4	546.0
2000	130.1*	9.9*	210.4*	59.1	90.9	139.5	176.9	252.9	323.7	429.7	555.9	676.3	688.9
<b>Lung cancer</b>													
1995	10.2*	0.5*	18.4*	3.0	4.9	7.7	18.8	22.6	35.2	36.9	47.1	43.1	35.9
2000	11.4*	0.3*	19.4*	3.2	4.9	10.8	13.9	23.0	35.1	44.7	58.3	65.0	47.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.5*	0.2*	4.0*	1.1	1.2	1.9	3.6	4.7	6.8	8.6	11.0	11.7	16.0
2000	2.8*	0.2*	4.6*	1.1	2.5	3.1	3.6	5.9	5.1	10.9	8.1	13.2	22.5
<b>Other cancer</b>													
1995	109.5*	10.0*	180.4*	49.7	81.0	120.7	161.6	216.4	280.3	353.3	466.8	530.5	494.2
2000	115.9*	9.4*	186.4*	54.8	83.5	125.5	159.4	223.9	283.5	374.2	489.5	598.1	619.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	21.1*	0.3*	13.5*	0.7	2.4	2.2	5.7	11.2	27.0	45.6	92.7	179.2	499.2
2000	17.0*	0.2*	10.4*	0.3	1.9	3.0	5.3	8.4	18.8	34.8	69.7	143.8	417.6
<b>Other respiratory disease</b>													
1995	32.8*	26.2*	19.1*	7.8	10.7	10.3	18.3	18.6	26.3	41.7	75.1	121.7	319.0
2000	30.6*	22.1*	17.2*	6.1	7.5	9.5	12.3	17.1	26.1	41.7	69.3	138.8	355.0
<b>Vascular disease</b>													
1995	610.9*	4.8*	427.3*	29.7	67.9	128.3	233.8	401.1	740.0	1390.2	2805.1	5301.9	13473.2
2000	569.0*	3.7*	370.7*	25.1	57.5	105.7	185.6	362.0	635.3	1223.6	2464.9	4911.6	13319.1
<b>Liver cirrhosis</b>													
1995	33.9*	1.8*	61.8*	16.7	25.1	40.2	58.1	84.4	95.4	112.3	133.2	126.2	118.0
2000	28.2*	1.0*	50.6*	11.6	21.7	34.4	41.9	65.4	83.8	95.4	117.5	119.8	107.6
<b>Other medical causes</b>													
1995	69.9*	46.1*	70.8*	28.2	36.1	47.5	62.9	80.1	102.1	139.0	174.1	257.4	347.6
2000	64.3*	46.0*	60.6*	23.6	27.0	36.8	41.2	66.9	93.1	135.4	183.3	235.3	306.9
<b>All non-medical causes</b>													
1995	36.6*	23.6*	45.0*	29.5	37.5	44.6	44.5	45.0	51.8	62.3	64.9	88.1	105.7
2000	29.7*	19.1*	35.8*	22.8	27.1	35.9	37.2	39.2	39.7	48.8	56.0	74.4	90.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## ROMANIA: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 8.7	– / 4.7	–
35–69	21 / 64	2.2 / 34	21 years
70+	6.5 / 64	2.6 / 81	9 years
All ages	28 / 136	4.9 / 119	17 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

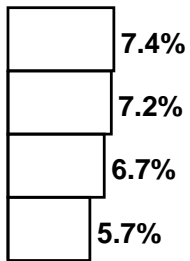
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	4.9/5.2	1.4/1.7	6.3/7.0	–/0.0	0.5/0.9	0.3/0.7	0.8/1.5
All Cancer	–/0.6	7.7/15 (51%)	2.0/8.1 (25%)	9.7/24	–/0.6	0.6/9.6 (6%)	0.4/7.1 (6%)	1.0/17
Vascular	–/0.5	9.3/29	2.9/46	12/76	–/0.2	1.2/16	1.4/65	2.6/82
Respiratory	–/1.2	2.0/3.6	1.5/4.1	3.4/8.9	–/0.9	0.2/1.2	0.7/3.8	0.9/5.9
All Other	–/6.4	2.1/17	0.2/5.1	2.3/28	–/3.0	0.2/6.7	0.1/4.7	0.3/14
All Causes	–/8.7	21/64 (33%)	6.5/64 (10%)	28/136	–/4.7	2.2/34 (7%)	2.6/81 (3%)	4.9/119

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	9.7 / 24 (41%)	1.0 / 17 (6%)	11 / 41 (26%)
All Causes	28 / 136 (20%)	4.9 / 119 (4%)	33 / 256 (13%)

1985-2000: ROMANIA

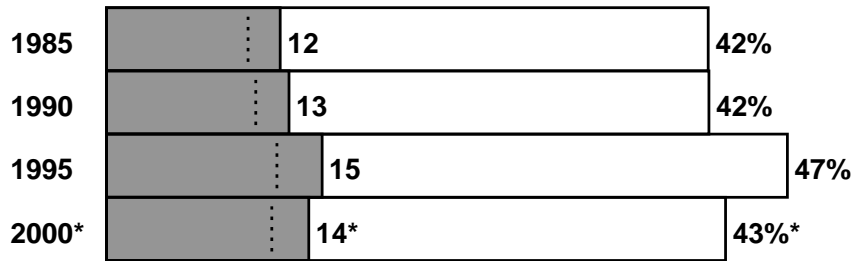
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

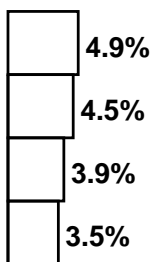
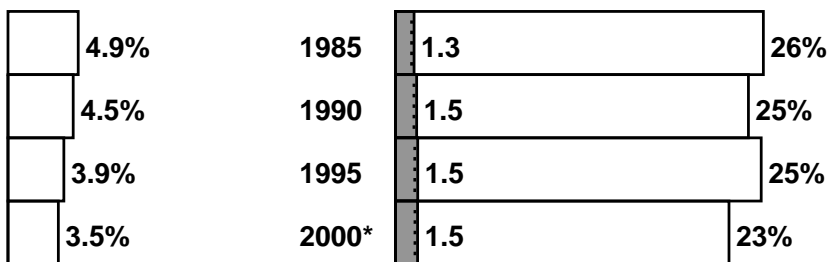
\*eg, at year 2000 male death rates, out of 100 men aged 35, 43 would die before age 70 (with 14 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## ROMANIA: 1980-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/14	17/53 <b>(31%)</b>	5.4/63 <b>( 9%)</b>	22/130	-/8.5	1.6/32 <b>( 5%)</b>	0.5/76 <b>(0.7%)</b>	2.2/116
1990	-/13	20/62 <b>(32%)</b>	4.2/56 <b>( 8%)</b>	24/132	-/8.1	2.2/36 <b>( 6%)</b>	0.8/72 <b>( 1%)</b>	2.9/115
1995	-/10	24/76 <b>(32%)</b>	5.7/63 <b>( 9%)</b>	30/149	-/5.5	2.3/38 <b>( 6%)</b>	1.2/79 <b>( 1%)</b>	3.5/123
2000	-/8.7	21/64 <b>(33%)</b>	6.5/64 <b>(10%)</b>	28/136	-/4.7	2.2/34 <b>( 7%)</b>	2.6/81 <b>( 3%)</b>	4.9/119

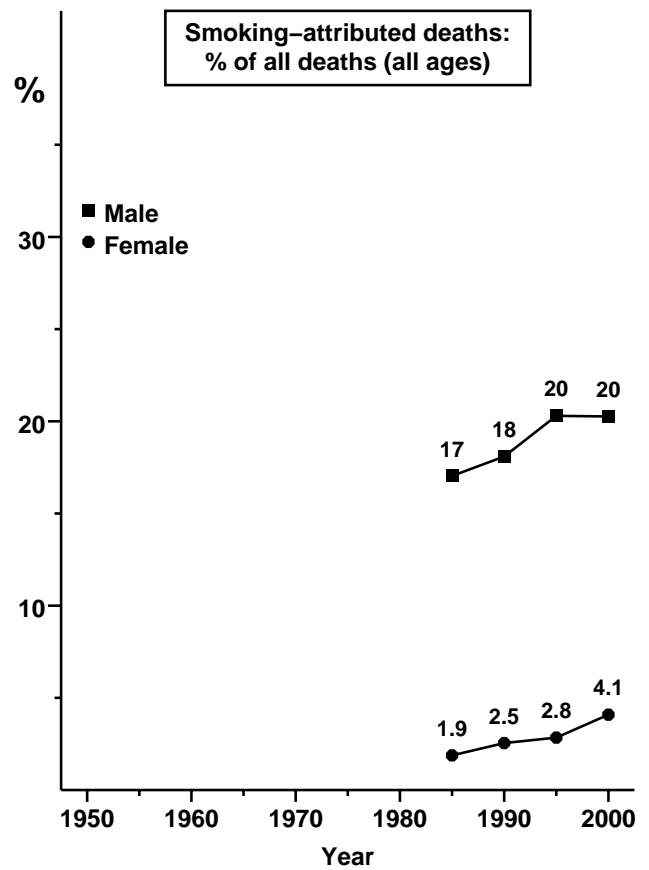
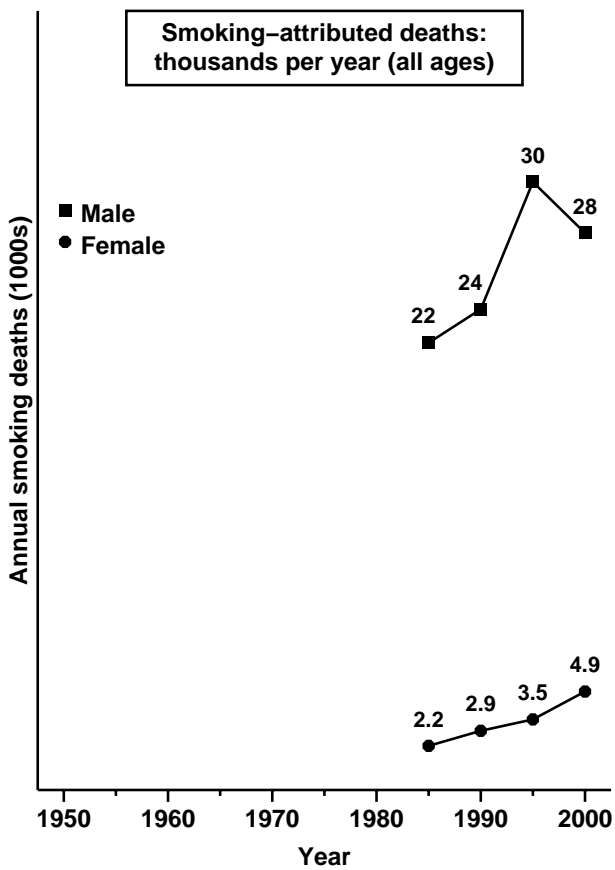
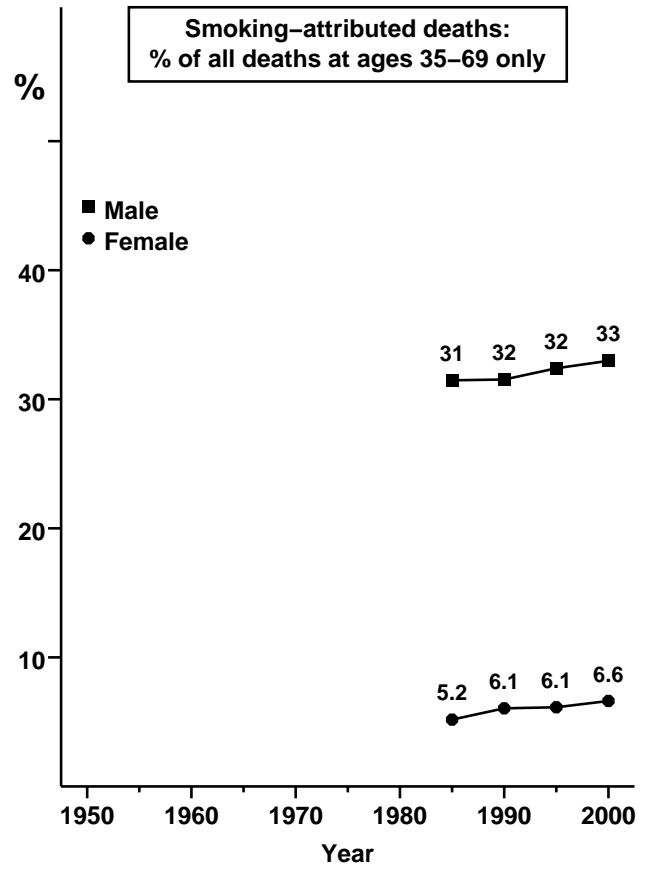
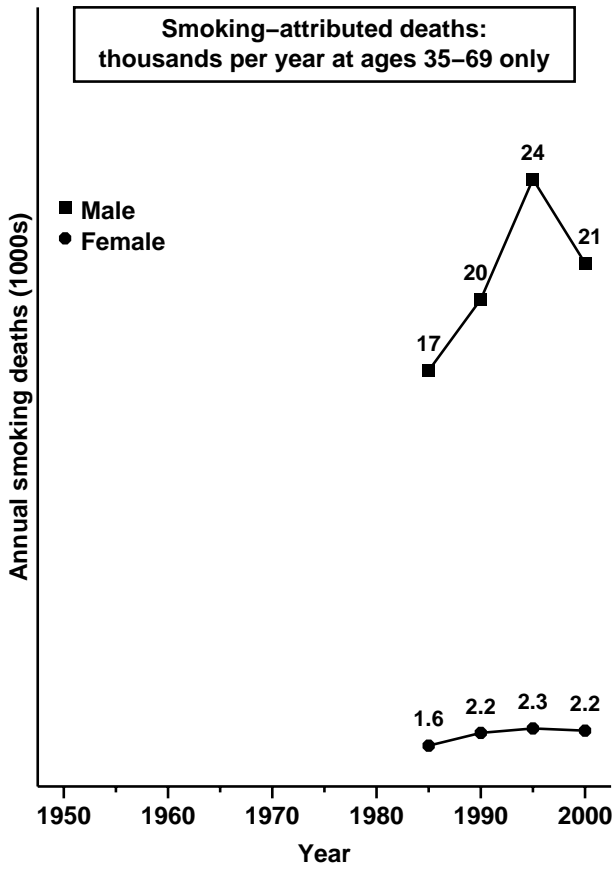
20-year total\* (thousands), mid-1980 to mid-2000: **580 / 5183**

1980-2000 by age & sex:

-/240	412/1288 <b>(32%)</b>	111/1260 <b>( 9%)</b>	523/2788	-/141	40/699 <b>( 6%)</b>	17/1556 <b>( 1%)</b>	57/2396
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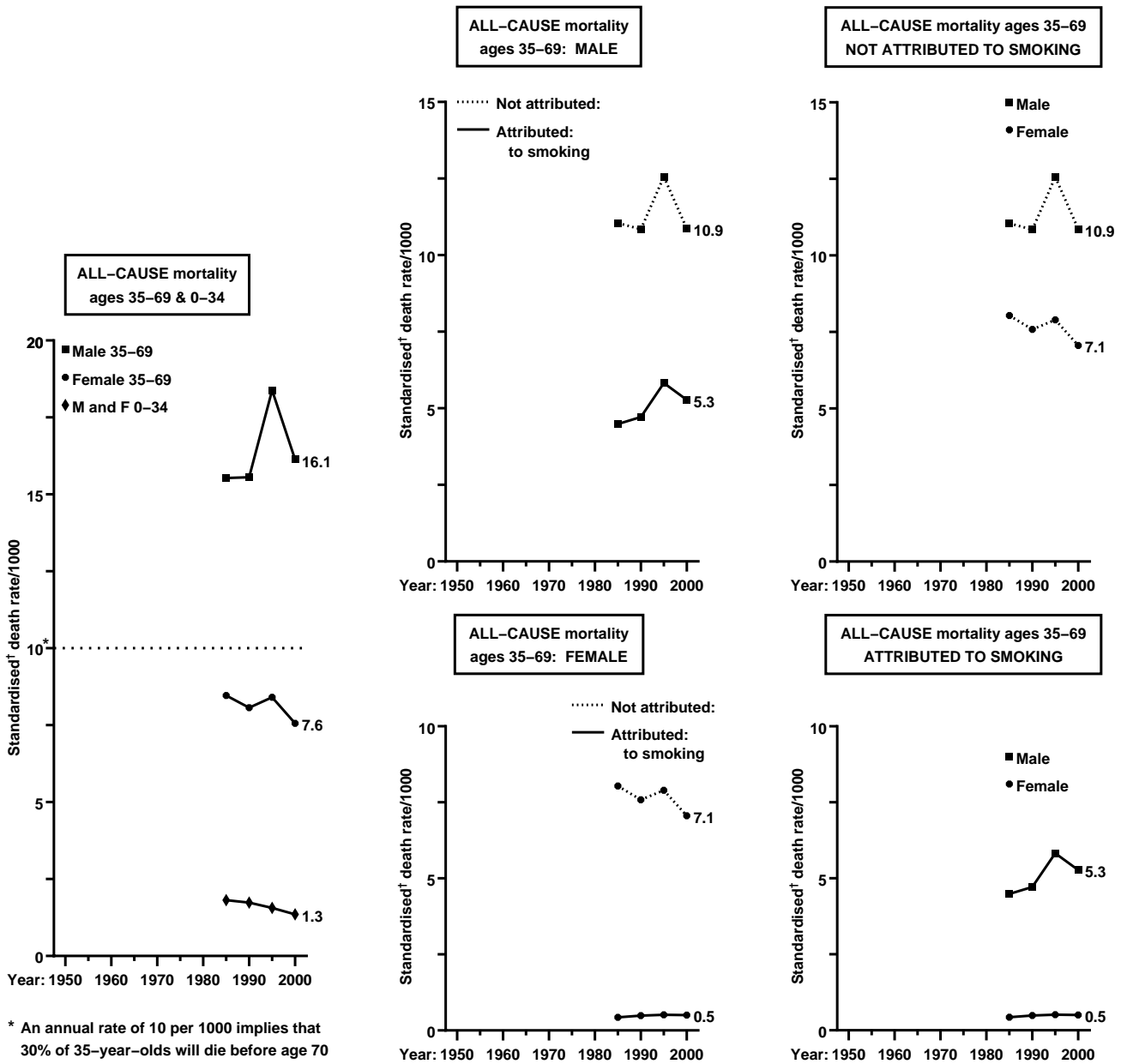
\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: ROMANIA



**ROMANIA: 1985-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

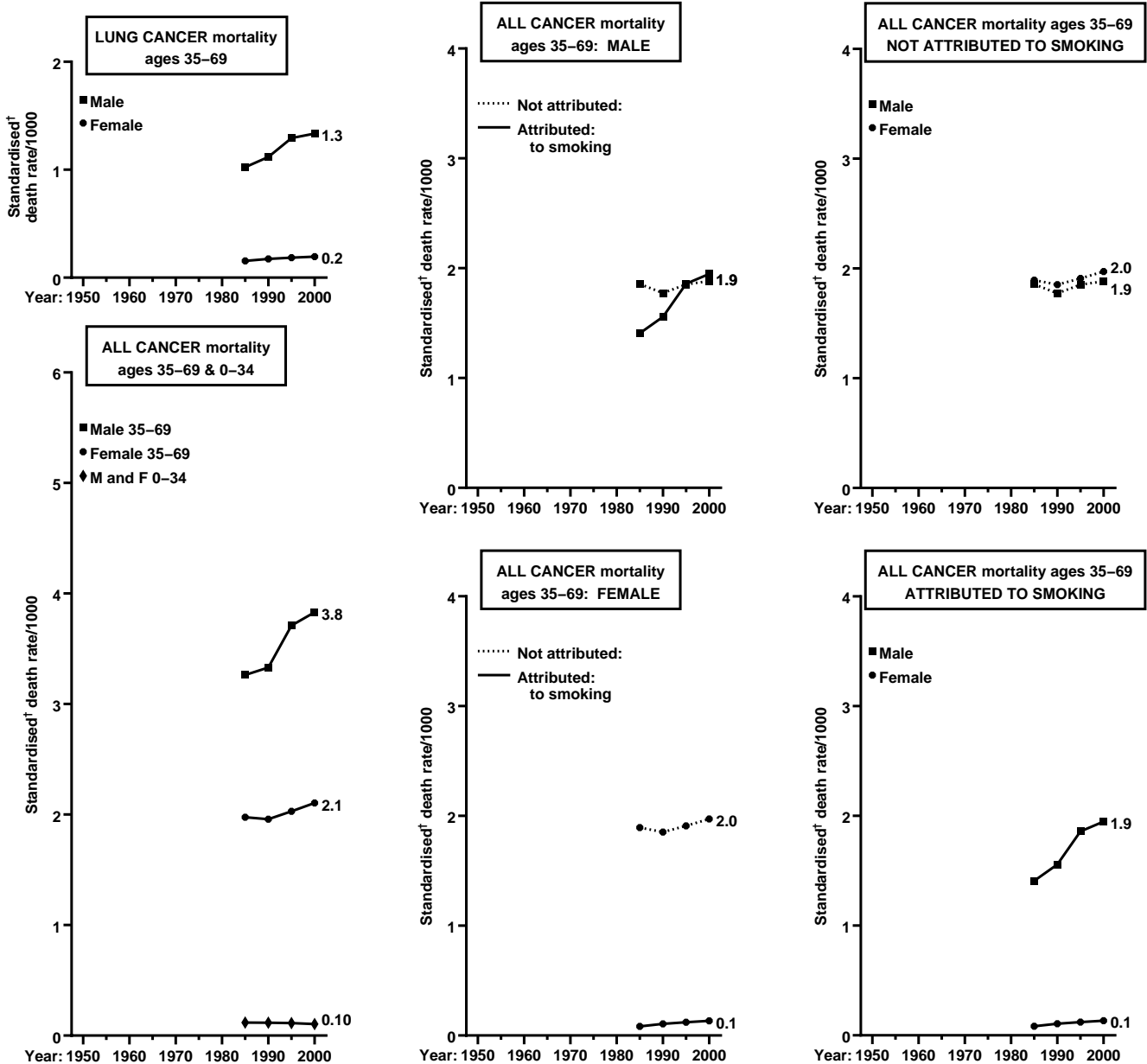
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	2.19	4.48	11.0	7.32	70.2	-	1.43	0.43	8.03	0.64	58.4
1990	-	2.13	4.71	10.8	6.45	64.0	-	1.33	0.48	7.58	0.81	51.8
1995	-	1.98	5.82	12.6	7.58	66.3	-	1.13	0.51	7.89	0.99	51.7
2000	-	1.68	5.27	10.9	7.83	60.8	-	1.02	0.50	7.06	1.82	47.3

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: ROMANIA

ALL CANCER mortality rates attributed and not attributed to smoking



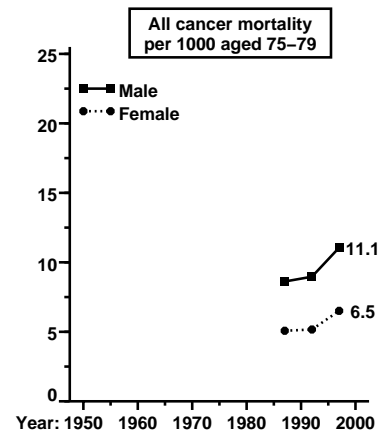
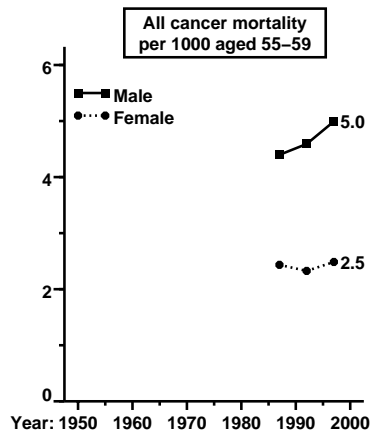
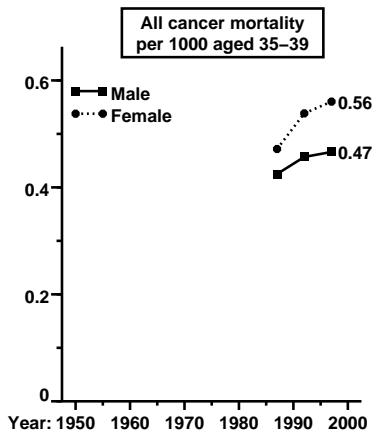
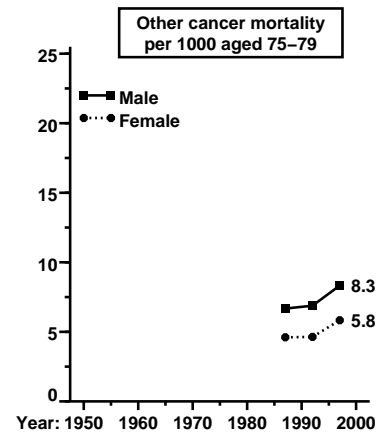
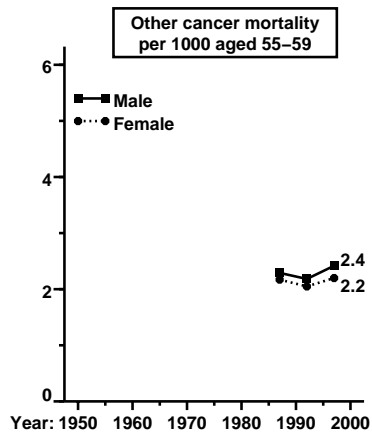
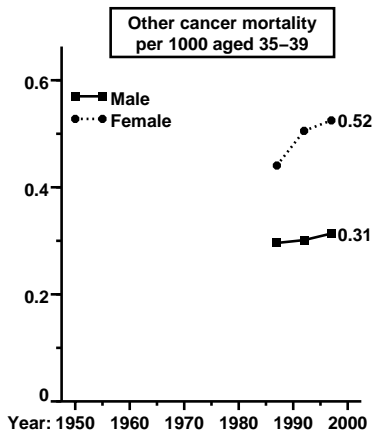
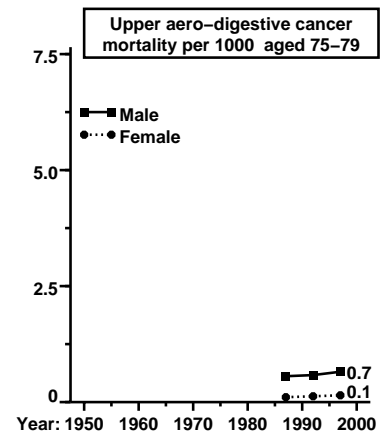
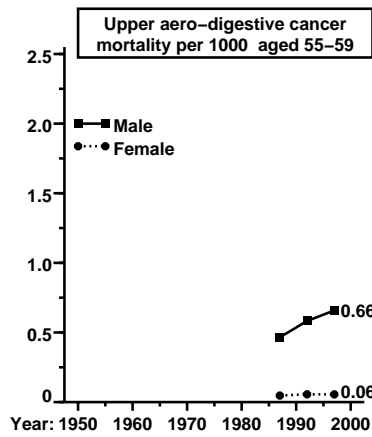
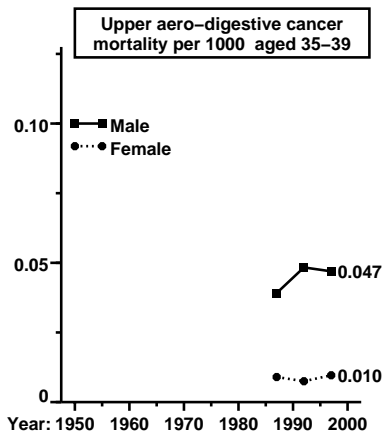
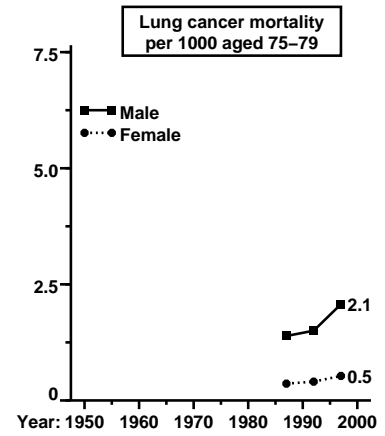
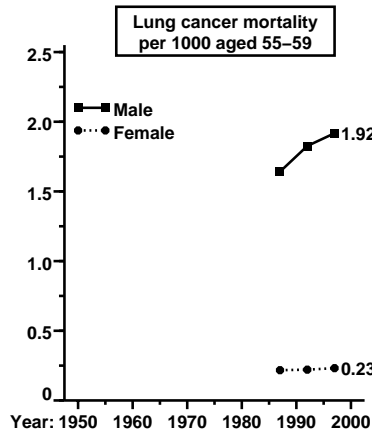
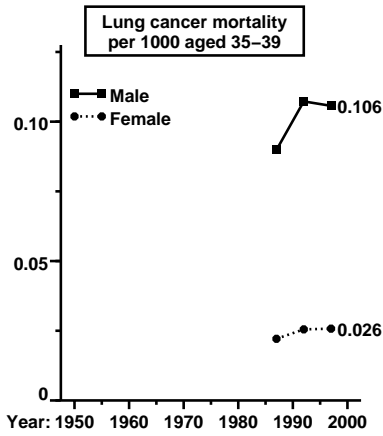
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	0.13	1.41	1.85	1.58	7.00	-	0.11	0.08	1.89	0.07	4.95				
1990	-	0.12	1.56	1.77	1.65	6.76	-	0.11	0.11	1.85	0.11	4.90				
1995	-	0.12	1.86	1.85	2.40	7.48	-	0.11	0.12	1.91	0.17	5.38				
2000	-	0.11	1.95	1.88	2.76	7.97	-	0.10	0.13	1.97	0.37	5.79				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**ROMANIA: 1985-2000**

**Mortality\* trends at selected ages: 35–39, 55–59 & 75–79**

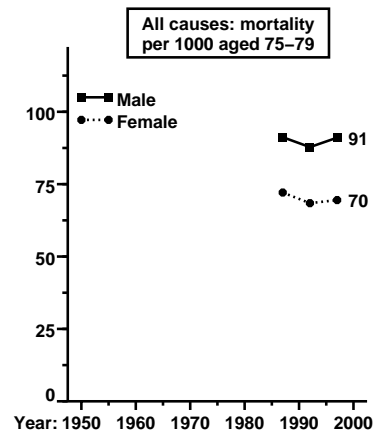
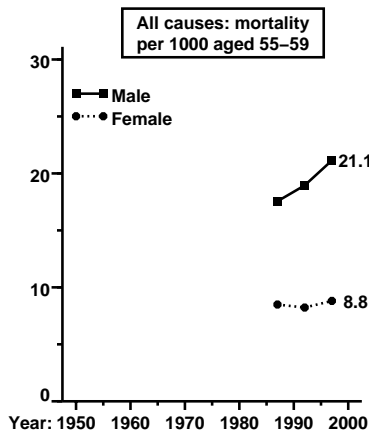
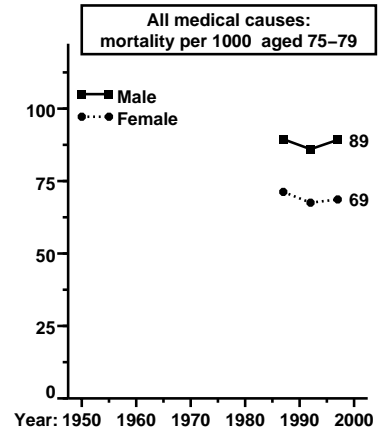
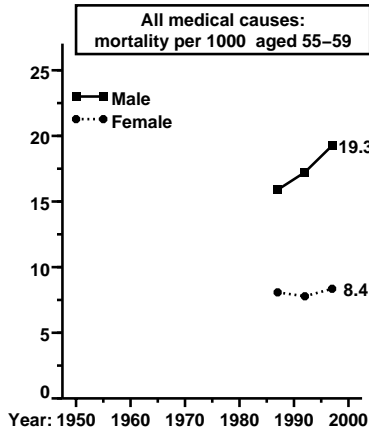
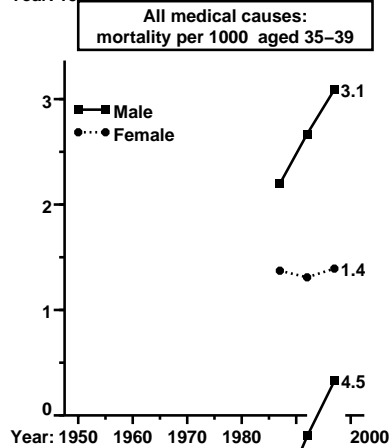
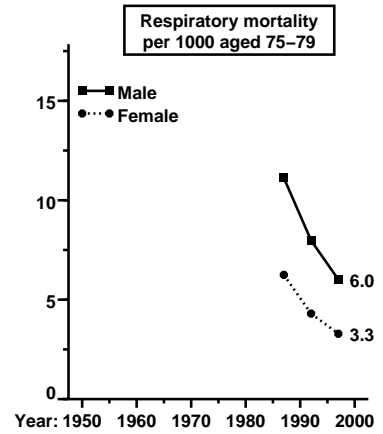
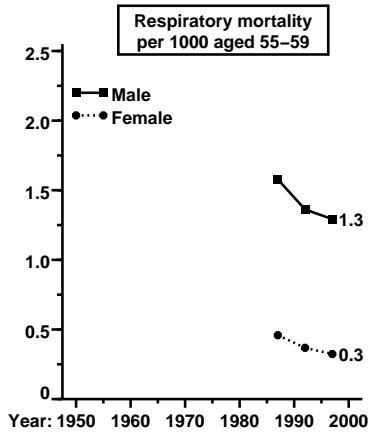
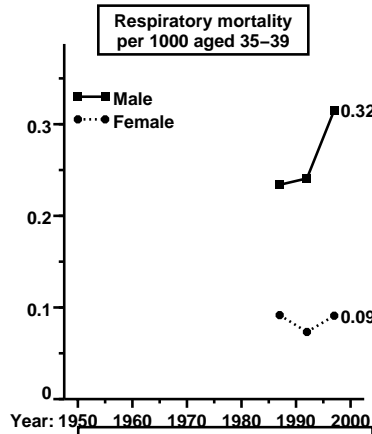
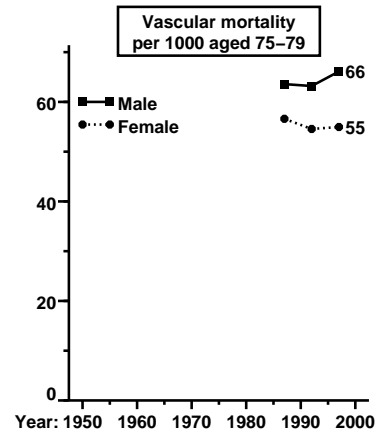
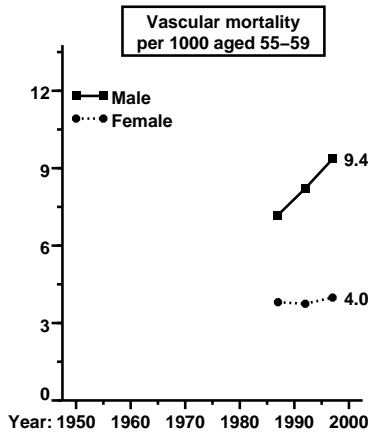
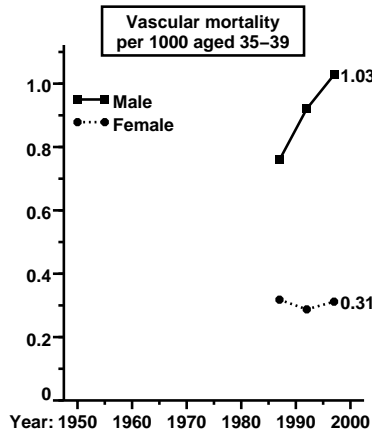


\* Annual mortality per 1000: averages of years available in 1985–89, ..., 1995–99; year 2000 on pages 398–399



1985-2000: ROMANIA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 398-399

<b>RUSSIAN FEDERATION: 2000</b>
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		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	1179775	124173	699439	2121.6	358.7	2893.4	418.2	57.4	56.5	206.8	484.4	593.8	693.5
	F	1045557	39282	311351	1014.4	125.0	1017.6	318.3	34.4	29.9	78.2	111.3	132.4	170.6
Tuberculosis	M	26070	4112	20763	38.9	11.6	69.5	0.9	0.0	0.1	1.4	12.5	27.0	39.3
	F	3730	812	2473	4.5	2.3	6.9	0.5	0.1	0.0	0.7	3.1	5.0	6.6
(HIV*)	M	9933	4166	5743	13.6	11.8	16.3	2.3	0.0	-	3.0	12.0	24.1	41.2
	F	1588	951	634	2.2	2.7	1.6	2.3	0.0	-	0.7	4.3	7.1	4.9
Other infective and parasitic	M	3816	1918	1658	6.4	6.5	5.9	25.9	1.5	0.8	2.3	4.9	5.4	4.8
	F	2598	1103	1062	3.9	4.1	3.2	19.0	1.1	0.8	1.6	2.0	2.0	1.9
ALL CANCER	M	162853	3282	107779	291.2	9.3	495.4	6.8	5.2	4.6	7.7	9.5	12.6	18.4
	F	132472	3123	68517	137.5	9.1	222.4	6.6	4.1	3.8	5.7	7.5	12.4	23.3
Mouth and pharynx cancer	M	7403	52	5912	12.8	0.1	25.9	0.1	0.0	0.1	0.1	0.1	0.2	0.4
	F	1577	34	736	1.6	0.1	2.4	0.1	-	0.1	0.1	0.1	0.1	0.2
Oesophagus cancer	M	5514	9	3926	10.0	0.0	18.4	-	0.0	-	-	0.0	0.0	0.1
	F	1720	4	586	1.6	0.0	2.0	-	-	-	-	0.0	-	0.1
Stomach cancer	M	25035	190	16440	44.9	0.5	75.7	0.1	0.0	0.0	0.2	0.3	1.1	2.0
	F	18712	204	8473	18.6	0.6	28.0	-	-	0.0	0.0	0.5	1.0	2.5
Colorectal cancer	M	15375	125	8569	28.9	0.4	41.0	-	-	0.0	0.1	0.3	0.5	1.5
	F	19466	108	8619	19.2	0.3	28.9	-	0.0	0.0	0.0	0.3	0.5	1.3
Liver cancer	M	4745	65	3156	8.5	0.2	14.6	0.2	0.0	0.1	0.1	0.2	0.2	0.4
	F	3605	45	1722	3.6	0.1	5.7	0.2	0.1	0.1	0.1	0.1	0.1	0.3
Pancreas cancer	M	6752	65	4754	12.0	0.2	21.3	-	-	-	-	0.1	0.3	0.9
	F	6266	35	2771	6.2	0.1	9.3	-	-	0.0	-	0.1	0.2	0.4
Larynx cancer	M	5770	12	4400	10.0	0.0	19.7	0.0	-	-	0.0	-	0.0	0.2
	F	283	5	149	0.3	0.0	0.5	0.0	0.0	-	-	0.0	0.0	-
Lung cancer	M	50087	147	35007	88.2	0.4	163.9	-	0.1	0.0	0.3	0.4	0.5	1.6
	F	8785	81	4011	8.7	0.2	13.3	0.1	-	0.0	0.1	0.3	0.4	0.8
Malignant melanoma	M	1125	56	805	1.9	0.2	3.2	-	-	-	0.0	0.1	0.4	0.5
	F	1416	85	823	1.5	0.2	2.5	-	-	0.0	0.2	0.2	0.4	0.9
Female breast cancer	F	21707	228	14200	24.1	0.7	44.7	-	0.1	-	0.0	0.1	0.9	3.6
Cervix cancer	F	6288	281	3825	6.9	0.8	11.6	-	0.0	-	-	0.4	2.0	3.1
Other uterine cancer	F	6089	69	3306	6.3	0.2	11.0	-	-	-	0.0	0.1	0.4	0.9
Ovarian cancer	F	7321	145	4716	8.0	0.4	15.1	-	0.0	0.2	0.3	0.3	0.7	1.3
Prostate cancer	M	6680	6	2959	13.3	0.0	15.1	-	-	-	0.0	0.0	0.0	0.0
Bladder cancer	M	5691	9	2996	11.0	0.0	14.7	0.0	0.0	0.0	-	-	0.0	0.1
	F	1376	4	421	1.3	0.0	1.4	0.1	-	-	-	-	0.0	0.0
Other and ill-defined cancer sites	M	22320	1697	15045	38.6	4.8	65.0	3.6	2.9	2.6	4.0	5.3	7.0	8.1
	F	21693	1192	10833	22.8	3.5	35.1	3.9	2.6	2.0	3.0	3.3	4.0	5.7
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and non-Hodgkin lymphomas	M	2279	219	1516	3.9	0.6	6.7	0.4	0.5	0.5	0.7	0.7	0.9	0.6
	F	2222	137	1279	2.4	0.4	4.2	0.3	0.1	0.2	0.3	0.4	0.6	0.8
Leukaemia	M	4077	630	2294	7.1	1.8	10.2	2.4	1.6	1.2	2.2	1.9	1.3	2.0
	F	3946	466	2047	4.3	1.4	6.5	1.9	1.2	1.3	1.5	1.3	1.1	1.4
Diabetes	M	3471	378	2280	5.8	1.0	9.6	0.0	0.2	0.1	0.4	1.3	2.6	2.7
	F	8014	441	4075	8.2	1.2	13.7	0.0	0.1	0.3	0.9	2.3	2.2	2.6
ALL VASCULAR DISEASE	M	545162	9270	298979	1060.3	26.1	1338.7	3.5	0.9	1.8	7.6	27.3	49.6	92.1
	F	686211	2646	153562	623.1	7.6	522.4	3.4	1.2	0.9	3.6	7.0	12.8	24.2
Rheumatic heart disease and fever	M	3378	215	2810	5.4	0.6	11.1	0.2	0.0	0.1	0.2	0.6	1.3	1.8
	F	5032	94	3566	5.6	0.3	11.6	0.0	0.1	0.0	0.1	0.2	0.4	1.1
Hypertensive disease	M	10798	146	7334	19.3	0.4	32.9	0.1	-	0.0	0.0	0.3	0.7	1.8
	F	15695	51	6289	15.2	0.1	21.3	0.1	0.0	0.0	0.1	0.1	0.3	0.4
Ischaemic heart disease	M	284284	3202	164289	546.5	9.1	734.2	-	0.0	-	1.3	7.6	16.0	38.8
	F	293973	556	64834	265.7	1.6	222.6	-	-	-	0.4	1.2	2.7	6.8
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	172083	1200	80047	350.5	3.4	381.4	0.4	0.2	0.4	1.5	3.4	5.9	11.7
	F	291555	552	60287	262.1	1.6	207.3	0.3	0.2	0.2	0.8	1.6	2.6	5.3
Other vascular disease, incl. venous	M	74619	4507	44499	138.6	12.6	179.0	2.8	0.7	1.3	4.6	15.3	25.7	38.0
	F	79956	1393	18586	74.5	4.0	59.6	3.0	1.0	0.7	2.2	3.9	6.9	10.6
Chronic obstructive pulmonary disease	M	38844	274	19875	74.8	0.8	97.8	0.3	0.2	0.3	0.5	0.8	1.6	1.8
	F	18041	131	4802	16.6	0.4	16.4	0.2	0.2	0.1	0.2	0.5	0.5	0.9
Other respiratory disease	M	33386	4221	24795	56.1	14.0	93.9	47.1	2.3	1.3	3.8	8.7	13.6	21.3
	F	11870	2221	5574	14.7	8.3	16.9	39.4	2.0	1.0	1.9	3.2	4.3	6.3
Peptic ulcer	M	6247	274	4564	10.7	0.8	18.8	-	0.0	0.0	0.3	0.7	1.2	3.1
	F	2388	49	1014	2.4	0.1	3.3	0.0	0.1	0.1	0.1	0.1	0.2	0.5
Liver cirrhosis & other liver disease	M	17339	1088	14026	27.9	3.1	54.1	0.5	0.2	0.3	0.8	2.3	5.5	11.9
	F	11896	493	8376	13.8	1.4	26.5	0.3	0.2	0.2	0.6	1.0	2.9	4.8
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth	F	503	346	157	0.6	0.9	0.4	-	-	0.0	0.5	2.1	2.0	1.9
Congenital and perinatal causes	M	9074	8610	422	20.6	35.6	1.4	238.6	3.7	1.7	1.5	1.4	1.1	1.3
	F	6593	6088	453	15.3	26.3	1.3	175.8	2.9	1.7	1.3	0.9	0.9	0.9
Ill-defined causes	M	43087	6642	21545	88.4	19.0	78.7	18.9	1.3	1.7	9.6	27.3	35.9	38.4
	F	59845	1868	5801	54.6	6.0	17.8	15.7	1.2	1.1	3.5	5.9	6.3	8.2
Other medical causes	M	40417	6129	26130	67.9	17.9	100.1	22.1	7.6	5.7	10.5	19.6	26.5	33.1
	F	32689	3192	16316	35.8	9.7	51.1	17.1	5.6	4.2	7.0	8.8	11.5	14.1
ALL NON-MEDICAL CAUSES	M	250009	77975	156623	372.6	212.9	529.4	53.6	34.1	37.9	160.3	368.1	411.4	425.3
	F	68707	16769	39169	83.3	47.6	115.3	40.3	15.8	15.8	50.5	67.0	69.3	74.6
Road traffic accidents	M	32566	13906	17131	46.3	37.4	56.7	5.3	9.4	9.1	34.8	71.6	68.0	63.8
	F	11578	4044	5484	13.9	11.0	16.1	4.0	4.9	5.0	16.6	17.7	15.6	13.4
Fire	M	7700	1420	5534	12.2	4.2	19.4	5.1	1.7	1.2	1.6	4.0	6.4	9.4
	F	2933	473	1480	3.4	1.5	4.5	3.7	1.1	0.4	0.6	1.2	1.7	2.0
Suicide	M	47806	15636	28667	70.3	41.9	97.7	-	0.5	6.3	35.4	78.1	86.1	86.9
	F	9128	2145	4719	10.5	5.7	13.9	-	0.1	1.7	8.3	9.2	10.1	10.6
Homicide	M	30753	10320	18942	45.0	28.3	60.9	3.4	1.4	2.2	17.5	44.9	60.7	67.7
	F	10337	3015	5786	12.6	8.4	16.5	3.7	1.1	1.9	7.7	12.6	15.0	

## 2000: RUSSIAN FEDERATION

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
910.0	1263.4	1788.1	2432.7	3391.2	4456.5	6012.1	8110.9	10572.4	18625.0	M	ALL CAUSES	001-999/A00-Y89
231.3	334.1	506.3	753.4	1147.0	1570.6	2580.1	4154.6	6792.4	15559.2	F		
55.2	73.1	86.1	81.6	79.7	66.5	44.4	33.1	24.1	56.8	M	Tuberculosis	010-018/A15-A19
7.3	8.8	8.2	7.1	6.5	5.1	5.2	4.8	4.6	6.1	F		
34.6	24.4	21.7	17.2	9.5	3.7	3.1	1.0	0.4	-	M	HIV*	279.5, 279.6/B20-B24)
3.2	2.6	2.3	1.8	1.0	0.2	0.2	0.1	-	-	F		
5.0	5.1	4.8	6.9	6.3	6.3	6.5	6.9	7.3	7.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.9	2.2	2.7	3.6	3.9	3.9	4.3	4.2	5.7	5.4	F		
37.8	79.3	184.3	358.1	659.9	914.7	1233.8	1531.1	1647.4	1342.1	M	ALL CANCER	140-208/C00-C97
41.4	73.0	123.7	190.5	277.3	360.1	490.8	650.5	789.8	671.5	F		
1.6	5.1	13.9	27.9	40.4	44.5	48.1	46.8	39.2	31.0	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	0.6	1.7	2.5	3.1	3.0	5.4	6.8	9.1	13.5	F		
0.3	1.6	5.9	15.4	29.0	34.1	42.7	47.7	51.7	35.6	M	Oesophagus cancer	150/C15
0.1	0.2	0.7	1.2	1.9	2.8	7.3	10.1	14.4	16.0	F		
5.8	12.8	29.1	51.2	96.4	138.7	195.5	246.2	274.6	216.4	M	Stomach cancer	151/C16
4.6	7.4	12.1	18.8	32.8	46.7	73.8	108.0	134.6	105.2	F		
2.5	5.1	11.4	21.8	48.4	74.9	122.9	179.4	228.8	214.9	M	Colorectal cancer	153, 154/C18-C21
3.0	6.0	10.4	19.2	35.7	50.8	76.8	109.4	141.4	125.8	F		
1.0	2.3	5.3	9.7	20.2	27.2	36.5	44.2	52.8	36.7	M	Liver cancer	155.0, 155.1/C22
0.6	1.2	2.2	3.9	6.7	10.5	14.7	20.4	24.7	18.1	F		
2.1	4.8	9.7	16.7	29.4	37.7	48.3	56.3	59.4	55.6	M	Pancreas cancer	157/C25
0.7	1.3	3.3	6.2	11.6	17.5	24.3	37.9	43.8	37.8	F		
0.9	3.1	9.6	17.3	29.3	37.0	40.9	44.0	42.2	23.0	M	Larynx cancer	161/C32
0.1	0.1	0.4	0.4	0.5	0.7	1.3	1.2	1.9	1.5	F		
6.0	17.8	51.9	112.9	227.9	321.9	409.3	493.1	430.3	265.2	M	Lung cancer	162/C33, C34
1.5	2.8	6.1	9.5	16.2	22.6	34.6	52.1	65.3	44.2	F		
1.0	1.6	2.5	3.4	3.8	4.6	5.6	6.8	9.7	8.5	M	Malignant melanoma	172/C43
1.1	1.4	2.6	2.6	2.1	3.3	4.3	5.0	6.0	7.0	F		
9.4	19.9	34.6	51.8	61.8	66.8	68.7	76.6	90.6	86.4	F	Female breast cancer	174/C50
5.4	8.7	10.2	12.0	13.4	14.4	17.0	23.0	28.8	24.1	F	Cervix cancer	180/C53
1.5	2.2	4.7	8.1	14.7	19.3	26.4	30.2	34.2	29.0	F	Other uterine cancer	179, 182/C54, C55
2.4	5.4	10.1	16.4	20.4	24.0	27.1	31.9	29.7	19.8	F	Ovarian cancer	183.0/C56
0.2	0.5	1.6	4.5	12.9	29.4	56.9	90.0	135.3	142.9	M	Prostate cancer	185/C61
0.5	1.3	3.0	6.5	16.8	27.8	46.9	68.5	88.9	103.1	M	Bladder cancer	188/C67
0.1	0.2	0.3	0.7	1.3	2.4	5.0	7.4	13.9	13.8	F		
12.3	18.6	33.6	58.4	84.8	108.8	138.3	159.4	176.7	164.7	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
7.6	11.8	18.2	28.5	42.5	58.2	79.0	102.7	121.9	111.7	F	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
1.2	1.9	2.9	5.1	8.2	11.6	15.7	16.0	19.0	12.1	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/C82-C85, C90
0.6	1.1	2.2	3.3	5.0	6.7	10.5	10.0	10.9	6.0	F	Leukaemia	204-208/C91-C95
2.3	2.9	4.0	7.2	12.5	16.5	26.2	32.6	38.7	32.5	M		
2.1	2.6	3.7	5.3	7.3	10.2	14.5	17.7	18.7	11.5	F		
3.1	3.5	5.0	8.3	10.5	14.9	22.2	24.5	25.4	20.1	M	Diabetes	250/E10-E14
1.7	2.5	4.2	8.0	14.9	24.3	40.2	45.9	45.9	23.6	F		
177.6	337.7	594.2	959.5	1510.0	2305.4	3486.6	5174.4	7317.3	12786.8	M	ALL VASCULAR DISEASE	390-459/I00-I99
42.6	81.4	155.8	287.1	532.6	875.7	1681.9	3000.7	5264.8	12068.2	F		
3.1	5.7	9.0	12.0	14.5	16.5	17.1	12.3	8.4	6.5	M	Rheumatic heart disease and fever	390-398/I00-I09
1.5	3.3	6.1	9.9	16.3	21.4	22.9	18.8	17.3	8.6	F		
3.7	7.7	13.8	25.3	38.5	58.1	83.2	92.2	99.1	114.8	M	Hypertensive disease	401-404/I10-I13
1.1	2.7	6.7	14.6	24.3	37.7	62.1	81.3	112.5	144.4	F		
83.9	177.8	334.5	556.7	863.9	1280.8	1842.2	2617.3	3669.1	5992.2	M	Ischaemic heart disease	410-414/I20-I25
13.0	26.9	55.9	109.1	223.4	380.0	750.0	1333.9	2309.4	5097.2	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
25.3	53.2	109.0	202.8	393.4	694.4	1191.9	1937.8	2809.0	5058.7	M	Cerebrovascular disease	430-438/I60-I69
10.0	22.9	50.2	105.0	202.6	353.1	707.3	1300.4	2335.3	5219.0	F		
61.6	93.2	127.9	162.7	199.7	255.6	352.2	514.8	731.7	1614.7	M	Other vascular disease, incl. venous	Rest of 390-459/rest of I00-I99
17.1	25.8	36.9	48.6	66.0	83.4	139.6	266.3	490.2	1598.9	F	Chronic obstructive pulmonary disease	490-494, 496/J40-J47
4.3	8.3	19.6	41.0	94.3	184.4	333.1	476.9	606.0	733.1	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
1.2	2.4	4.9	7.9	16.2	27.3	54.9	90.9	141.2	258.7	F		
37.9	57.5	86.2	110.3	123.5	125.3	116.7	106.6	109.0	230.9	M		
8.8	11.4	15.9	18.8	19.9	19.7	23.6	32.6	42.5	74.4	F		
4.9	7.8	12.6	19.0	24.7	27.6	34.5	40.2	41.5	45.9	M	Peptic ulcer	531-533/K25-K27
0.7	1.4	1.9	2.7	3.8	4.8	7.5	10.9	17.5	19.9	F		
20.8	32.1	44.9	58.0	70.3	76.9	75.9	70.7	61.1	53.1	M	Liver cirrhosis & other liver disease	570-573/K70-K76
8.2	13.4	19.4	27.7	44.1	37.1	35.5	35.5	38.9	28.4	F	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
1.8	0.7	0.1	-	0.1	0.0	-	-	-	-	F	Pregnancy, birth	630-676/O00-O99
1.3	1.5	1.7	1.4	1.9	1.2	1.0	1.0	1.7	1.4	M	Congenital and perinatal causes	740-779/P00-P96, Q00-Q99
0.9	1.1	1.9	1.3	1.9	1.1	1.0	0.8	0.5	0.4	F	Ill-defined causes	780-799/R00-R99
44.3	59.0	73.1	90.0	102.7	100.6	81.5	94.4	194.1	1953.9	M		
8.9	11.2	14.9	18.4	24.1	22.7	24.3	44.4	148.5	1995.6	F		
47.1	63.1	84.3	100.7	117.2	130.2	158.0	197.6	259.3	363.2	M	Other medical causes	Rest of 001-799/rest of A00-R99
20.2	26.1	36.3	49.2	61.5	71.1	93.3	118.7	160.2	194.8	F		
470.8	535.3	591.5	597.9	590.2	502.4	417.9	353.3	278.4	1030.6	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
85.7	98.4	116.4	131.0	140.2	117.7	117.6	114.8	132.3	212.3	F	Road traffic accidents	E810-E819, E826-E829/part of V01-V99, Y850
62.4	61.5	61.0	57.1	56.7	52.5	45.9	46.1	40.0	47.6	M		
14.6	13.9	14.7	16.6	16.7	16.3	19.5	22.6	25.1	23.0	F	Fire	E890-E899/X00-X09
12.7	17.9	20.9	21.4	21.7	22.1	19.3	16.2	17.0	48.3	M		
2.4	3.2	3.7	4.6	6.0	5.4	6.4	8.0	10.4	17.5	F		
88.6	98.3	106.3	107.0	103.6	83.5	96.7	100.3	75.7	148.3	M	Suicide	E950-E959/X60-X84
10.7	12.2	13.5	14.9	13.9	13.9	17.9	21.2	23.7	36.0	F		
70.4	71.2	72.9	68.6	61.8	47.4	33.8	27.1	23.2	129.3	M	Homicide	E960-E969/X85-X99, Y00-Y09
16.3	17.4	18.4	17.8	17.8	14.3	13.3	14.5	16.7	23.5	F		
5706	6065	5330	4095	2304	3622	2269	2045	765	588	M	POPULATION	
5885	6450	5927	4778	3013	5184	3651	4021	2395	2347	F	(1000s; UN, 2004 revision)	

<b>RUSSIAN FEDERATION: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical
<b>1995</b>											
<b>0-34</b>	Sm. -	-	-	-	-	-	-	-	-	-	-
	Total 131783	3912	208	120	3584	291	4799	9508	1160	27669	84444
<b>35-69</b>	Sm. 267551	70086	41773	12458	15855	18242	12752	130514	-	35957	-
	Total 753307	125119	43721	16311	65087	21380	28131	310435	16778	77466	173998
	(36%)	(56%)	(96%)	(76%)	(24%)	(85%)	(45%)	(42%)		(46%)	
<b>70+</b>	Sm. 50264	14235	9337	1896	3002	9403	868	22852	-	2906	-
	Total 282538	36762	10266	3171	23325	12966	6703	183773	2153	25966	14215
	(18%)	(39%)	(91%)	(60%)	(13%)	(73%)	(13%)	(12%)		(11%)	
<b>Any age</b>	Sm. 317815	84321	51110	14354	18857	27645	13620	153366	-	38863	-
	Total 1167628	165793	54195	19602	91996	34637	39633	503716	20091	131101	272657
	(27%)	(51%)	(94%)	(73%)	(20%)	(80%)	(34%)	(30%)		(30%)	
<b>2000</b>											
<b>0-34</b>	Sm. -	-	-	-	-	-	-	-	-	-	-
	Total 124173	3282	147	73	3062	274	4221	9270	1088	28063	77975
<b>35-69</b>	Sm. 231306	56390	33210	10472	12708	16545	10544	114685	-	33142	-
	Total 699439	107779	35007	14238	58534	19875	24795	298979	14026	77362	156623
	(33%)	(52%)	(95%)	(74%)	(22%)	(83%)	(43%)	(38%)		(43%)	
<b>70+</b>	Sm. 71904	20685	13644	2671	4370	13714	647	33546	-	3312	-
	Total 356163	51792	14933	4376	32483	18695	4370	236913	2225	26757	15411
	(20%)	(40%)	(91%)	(61%)	(13%)	(73%)	(15%)	(14%)		(12%)	
<b>Any age</b>	Sm. 303210	77075	46854	13143	17078	30259	11191	148231	-	36454	-
	Total 1179775	162853	50087	18687	94079	38844	33386	545162	17339	132182	250009
	(26%)	(47%)	(94%)	(70%)	(18%)	(78%)	(34%)	(27%)		(28%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	69583	37617	29483	6399	5802	4513	2675	4309	2918	2867	1213	611	659
2000	68290	35501	29391	5706	6065	5330	4095	2304	3622	2269	2045	765	588
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1167628	131783	753307	63600	81122	86647	72457	145374	133360	170747	91776	64710	126052
2000	1179775	124173	699439	51922	76630	95309	99617	78134	161400	136427	165859	80826	109478
<b>Lung cancer</b>													
1995	54195	208	43721	453	1466	2713	3911	10642	10621	13915	5710	2747	1809
2000	50087	147	35007	344	1078	2766	4624	5250	11658	9287	10084	3290	1559
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	2163.2*	361.1*	2988.5*	993.9	1398.3	1920.2	2708.3	3373.9	4570.1	5955.0	7565.4	10590.8	19116.2
2000	2121.6*	358.7*	2893.4*	910.0	1263.4	1788.1	2432.7	3391.2	4456.5	6012.1	8110.9	10572.4	18625.0
<b>All cancer</b>													
1995	306.1*	10.4*	538.0*	42.7	96.7	208.5	423.9	670.9	985.6	1337.7	1484.0	1648.9	1317.0
2000	291.2*	9.3*	495.4*	37.8	79.3	184.3	358.1	659.9	914.7	1233.8	1531.1	1647.4	1342.1
<b>Lung cancer</b>													
1995	98.0*	0.5*	190.7*	7.1	25.3	60.1	146.2	247.0	364.0	485.3	470.7	449.6	274.3
2000	88.2*	0.4*	163.9*	6.0	17.8	51.9	112.9	227.9	321.9	409.3	493.1	430.3	265.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	35.2*	0.3*	69.1*	3.3	13.5	35.9	68.2	97.1	125.5	140.7	139.1	125.5	108.6
2000	32.8*	0.2*	64.0*	2.8	9.7	29.3	60.6	98.6	115.6	131.7	138.5	133.2	89.5
<b>Other cancer</b>													
1995	172.9*	9.5*	278.2*	32.4	57.9	112.5	209.6	326.9	496.1	711.7	874.2	1073.8	934.0
2000	170.1*	8.6*	267.4*	29.0	51.8	103.1	184.6	333.5	477.2	692.8	899.5	1083.8	987.4
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	71.0*	0.8*	96.2*	4.3	8.9	18.8	52.2	94.2	196.2	298.4	414.8	552.0	691.7
2000	74.8*	0.8*	97.8*	4.3	8.3	19.6	41.0	94.3	184.4	333.1	476.9	606.0	733.1
<b>Other respiratory disease</b>													
1995	71.2*	14.6*	109.3*	35.7	60.6	85.7	126.6	132.5	156.6	167.3	195.0	247.8	428.1
2000	56.1*	14.0*	93.9*	37.9	57.5	86.2	110.3	123.5	125.3	116.7	106.6	109.0	230.9
<b>Vascular disease</b>													
1995	1031.5*	24.6*	1309.6*	193.3	360.2	617.7	999.9	1443.0	2271.0	3281.9	4657.3	7039.9	12778.4
2000	1060.3*	26.1*	1338.7*	177.6	337.7	594.2	959.5	1510.0	2305.4	3486.6	5174.4	7317.3	12786.8
<b>Liver cirrhosis and other liver disease</b>													
1995	33.6*	3.0*	64.3*	22.5	36.4	56.7	71.4	81.4	90.9	90.5	91.6	81.3	82.7
2000	27.9*	3.1*	54.1*	20.8	32.1	44.9	58.0	70.3	76.9	75.9	70.7	61.1	53.1
<b>Other medical causes</b>													
1995	239.5*	83.8*	284.7*	150.3	215.9	263.4	318.6	331.7	344.8	368.3	422.6	706.5	2505.6
2000	238.7*	92.5*	284.0*	160.8	213.1	267.6	308.0	343.0	347.4	348.2	397.8	553.3	2448.5
<b>All non-medical causes</b>													
1995	410.2*	223.9*	586.5*	545.0	619.5	669.4	715.7	620.3	525.0	410.9	300.0	314.2	1312.7
2000	372.6*	212.9*	529.4*	470.8	535.3	591.5	597.9	590.2	502.4	417.9	353.3	278.4	1030.6

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: RUSSIAN FEDERATION

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	43662	3637	96	47	3494	193	2800	2696	466	15891	17979
35-69	Sm.	15832	2966	2243	289	434	1899	288	8931	-	1748	-
	Total	347268	74731	5174	1728	67829	6080	6032	169610	9670	36168	44977
		(5%)	(4%)	(43%)	(17%)	(1%)	(31%)	(5%)	(5%)		(5%)	
70+	Sm.	17521	2616	1900	384	332	4003	143	9509	-	1250	-
	Total	645253	51490	4119	2159	45212	12622	6783	487489	3091	70884	12894
		(3%)	(5%)	(46%)	(18%)	(1%)	(32%)	(2%)	(2%)		(2%)	
Any age	Sm.	33353	5582	4143	673	766	5902	431	18440	-	2998	-
	Total	1036183	129858	9389	3934	116535	18895	15615	659795	13227	122943	75850
		(3%)	(4%)	(44%)	(17%)	(1%)	(31%)	(3%)	(3%)		(2%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	39282	3123	81	43	2999	131	2221	2646	493	13899	16769
35-69	Sm.	9062	1708	1293	161	254	1064	169	5141	-	980	-
	Total	311351	68517	4011	1471	63035	4802	5574	153562	8376	31351	39169
		(3%)	(2%)	(32%)	(11%)	(0%)	(22%)	(3%)	(3%)		(3%)	
70+	Sm.	20126	2994	2201	384	409	4382	96	11292	-	1362	-
	Total	694924	60832	4693	2066	54073	13108	4075	530003	3027	71110	12769
		(3%)	(5%)	(47%)	(19%)	(1%)	(33%)	(2%)	(2%)		(2%)	
Any age	Sm.	29188	4702	3494	545	663	5446	265	16433	-	2342	-
	Total	1045557	132472	8785	3580	120107	18041	11870	686211	11896	116360	68707
		(3%)	(4%)	(40%)	(15%)	(1%)	(30%)	(2%)	(2%)		(2%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	78607	36229	34752	6467	6031	4859	3141	5427	4055	4773	3157	1846	2622
2000	78270	34619	34888	5885	6450	5927	4778	3013	5184	3651	4021	2395	2347
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1036183	43662	347268	16287	23045	27866	26466	61680	69221	122703	128563	124193	392497
2000	1045557	39282	311351	13612	21548	30009	35994	34561	81426	94201	167057	162692	365175
<b>Lung cancer</b>													
1995	9389	96	5174	100	205	337	346	936	1215	2035	1739	1135	1245
2000	8785	81	4011	90	180	361	455	489	1173	1263	2093	1563	1037
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1023.5*	130.7*	1066.4*	251.9	382.1	573.5	842.7	1136.5	1706.9	2570.9	4073.0	6727.0	14967.1
2000	1014.4*	125.0*	1017.6*	231.3	334.1	506.3	753.4	1147.0	1570.6	2580.1	4154.6	6792.4	15559.2
<b>All cancer</b>													
1995	139.8*	9.9*	230.4*	46.4	78.3	132.6	199.0	273.7	371.5	511.0	647.4	734.4	667.2
2000	137.5*	9.1*	222.4*	41.4	73.0	123.7	190.5	277.3	360.1	490.8	650.5	789.8	671.5
<b>Lung cancer</b>													
1995	9.8*	0.3*	16.1*	1.5	3.4	6.9	11.0	17.2	30.0	42.6	55.1	61.5	47.5
2000	8.7*	0.2*	13.3*	1.5	2.8	6.1	9.5	16.2	22.6	34.6	52.1	65.3	44.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	4.0*	0.1*	5.4*	0.7	1.0	2.2	4.2	5.3	8.9	15.3	21.4	28.5	36.5
2000	3.5*	0.1*	4.9*	0.6	0.9	2.8	4.1	5.5	6.5	13.9	18.1	25.4	31.0
<b>Other cancer</b>													
1995	126.0*	9.5*	208.9*	44.1	73.9	123.5	183.9	251.1	332.7	453.1	570.9	644.4	583.2
2000	125.2*	8.7*	204.1*	39.3	69.3	114.8	176.9	255.5	330.9	442.2	580.3	699.1	596.3
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	18.0*	0.5*	18.9*	1.7	3.0	6.2	11.5	17.5	34.2	58.4	94.1	151.7	261.2
2000	16.6*	0.4*	16.4*	1.2	2.4	4.9	7.9	16.2	27.3	54.9	90.9	141.2	258.7
<b>Other respiratory disease</b>													
1995	18.3*	9.4*	18.1*	6.9	12.1	15.0	16.5	19.5	23.9	33.1	52.0	78.9	140.6
2000	14.7*	8.3*	16.9*	8.8	11.4	15.9	18.8	19.9	19.7	23.6	32.6	42.5	74.4
<b>Vascular disease</b>													
1995	608.5*	7.3*	527.2*	45.9	90.3	173.8	316.0	513.5	944.6	1606.0	2853.4	5088.0	11572.9
2000	623.1*	7.6*	522.4*	42.6	81.4	155.8	287.1	532.6	875.7	1681.9	3000.7	5264.8	12068.2
<b>Liver cirrhosis and other liver disease</b>													
1995	15.5*	1.2*	29.7*	8.1	14.3	23.5	35.2	44.1	41.5	41.0	40.3	43.9	38.4
2000	13.8*	1.4*	26.5*	8.2	13.4	19.4	27.7	44.1	37.1	35.5	35.5	38.9	28.4
<b>Other medical causes</b>													
1995	129.7*	52.2*	109.5*	43.8	61.2	79.0	100.7	123.2	159.7	198.6	267.6	479.2	2043.6
2000	125.3*	50.7*	97.7*	43.5	54.0	70.2	90.3	116.8	133.1	175.8	229.6	382.9	2245.8
<b>All non-medical causes</b>													
1995	93.7*	50.1*	132.6*	98.9	122.9	143.4	163.7	144.9	131.6	122.7	118.2	150.9	243.1
2000	83.3*	47.6*	115.3*	85.7	98.4	116.4	131.0	140.2	117.7	117.6	114.8	132.3	212.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>RUSSIAN FEDERATION: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 124	– / 39	–
35–69	231 / 699	9.1 / 311	19 years
70+	72 / 356	20 / 695	8 years
<b>All ages</b>	<b>303 / 1180</b>	<b>29 / 1046</b>	<b>16 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

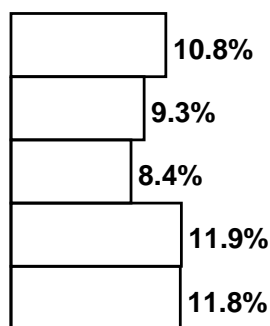
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	33/35	14/15	47/50	–/0.1	1.3/4.0	2.2/4.7	3.5/8.8
All Cancer	–/3.3	56/108 (52%)	21/52 (40%)	77/163	–/3.1	1.7/69 ( 2%)	3.0/61 ( 5%)	4.7/132
Vascular	–/9.3	115/299	34/237	148/545	–/2.6	5.1/154	11/530	16/686
Respiratory	–/4.5	27/45	14/23	41/72	–/2.4	1.2/10	4.5/17	5.7/30
All Other	–/107	33/248	3.3/44	36/400	–/31	1.0/79	1.4/87	2.3/197
<b>All Causes</b>	<b>–/124</b>	<b>231/699 (33%)</b>	<b>72/356 (20%)</b>	<b>303/1180</b>	<b>–/39</b>	<b>9.1/311 ( 3%)</b>	<b>20/695 ( 3%)</b>	<b>29/1046</b>

**Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	77 / 163 (47%)	4.7 / 132 ( 4%)	82 / 295 (28%)
All Causes	303 / 1180 (26%)	29 / 1046 ( 3%)	332 / 2225 (15%)

**1980-2000: RUSSIAN FEDERATION**

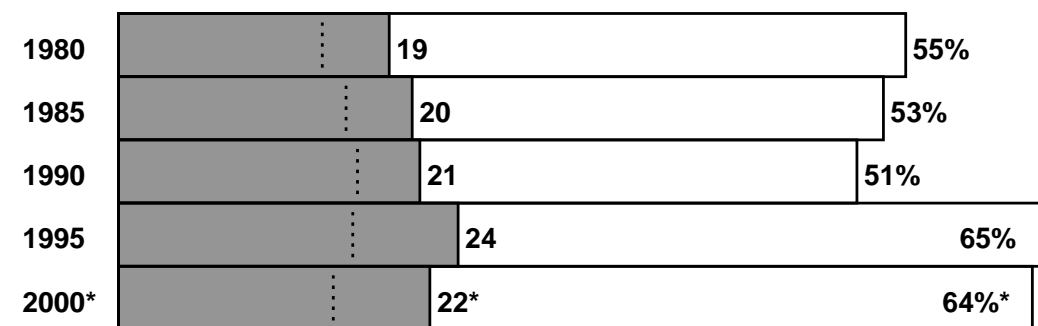
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

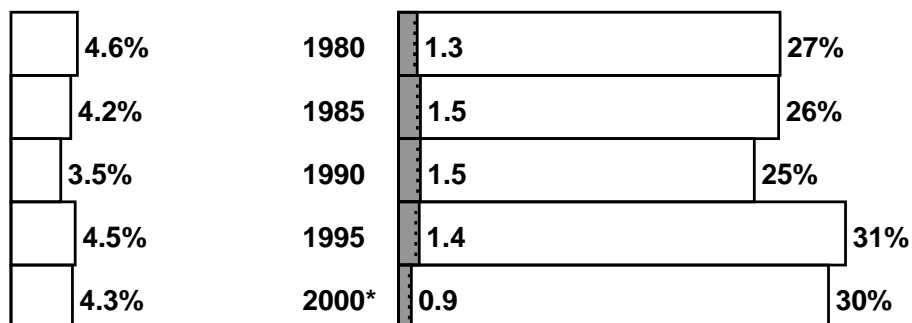
\*eg, at year 2000 male death rates, out of 100 men aged 35, 64 would die before age 70 (with 22 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



<b>RUSSIAN FEDERATION: 1980-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	-/129	141/413 <b>(34%)</b>	33/217 <b>(15%)</b>	174/760	-/51	12/248 <b>( 5%)</b>	9.0/467 <b>( 2%)</b>	21/766
1985	-/116	162/411 <b>(39%)</b>	43/250 <b>(17%)</b>	206/777	-/49	14/240 <b>( 6%)</b>	13/559 <b>( 2%)</b>	27/848
1990	-/102	187/460 <b>(41%)</b>	46/241 <b>(19%)</b>	233/802	-/40	15/251 <b>( 6%)</b>	18/563 <b>( 3%)</b>	33/854
1995	-/132	268/753 <b>(36%)</b>	50/283 <b>(18%)</b>	318/1168	-/44	16/347 <b>( 5%)</b>	18/645 <b>( 3%)</b>	33/1036
2000	-/124	231/699 <b>(33%)</b>	72/356 <b>(20%)</b>	303/1180	-/39	9.1/311 <b>( 3%)</b>	20/695 <b>( 3%)</b>	29/1046

**20-year total\* (M=millions), mid-1980 to mid-2000: 5.8/ 38M**

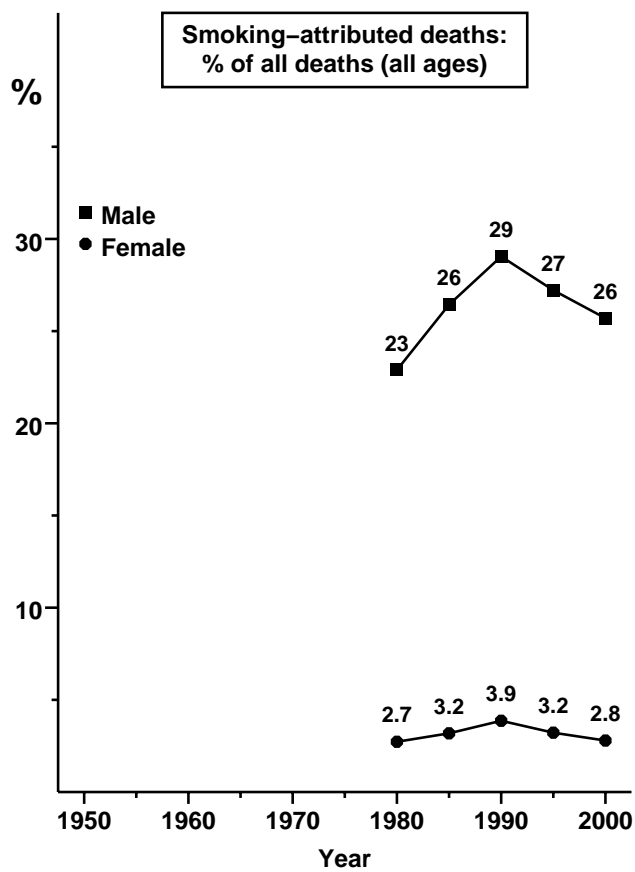
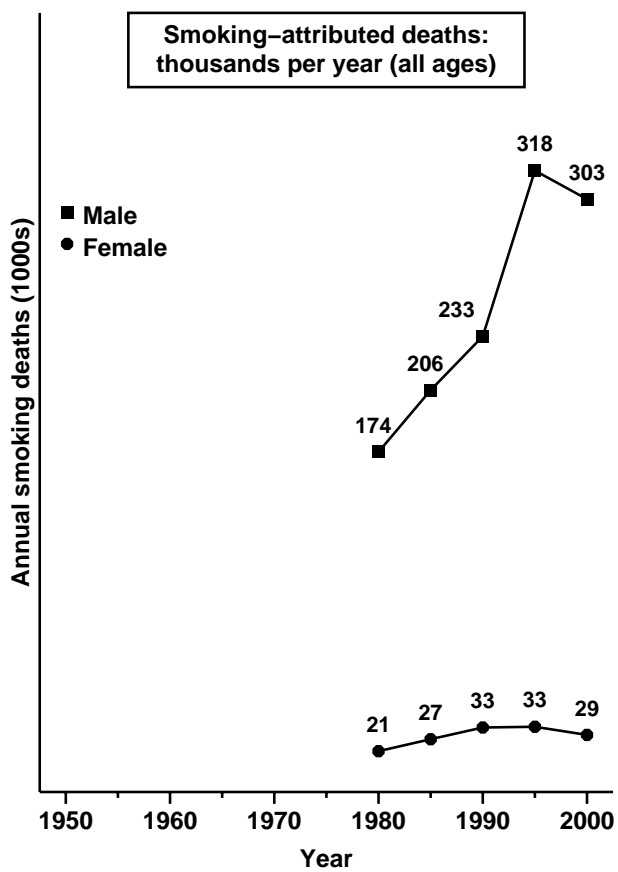
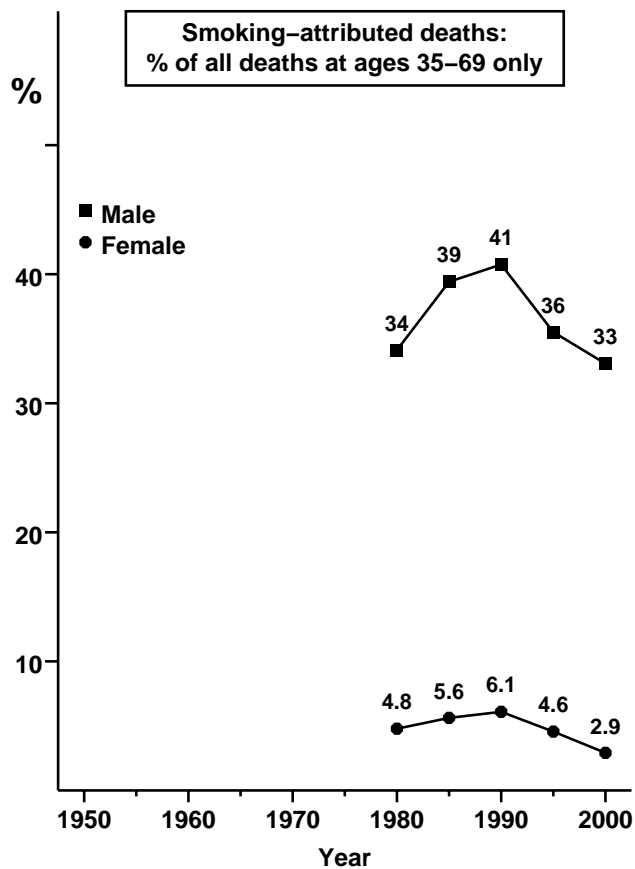
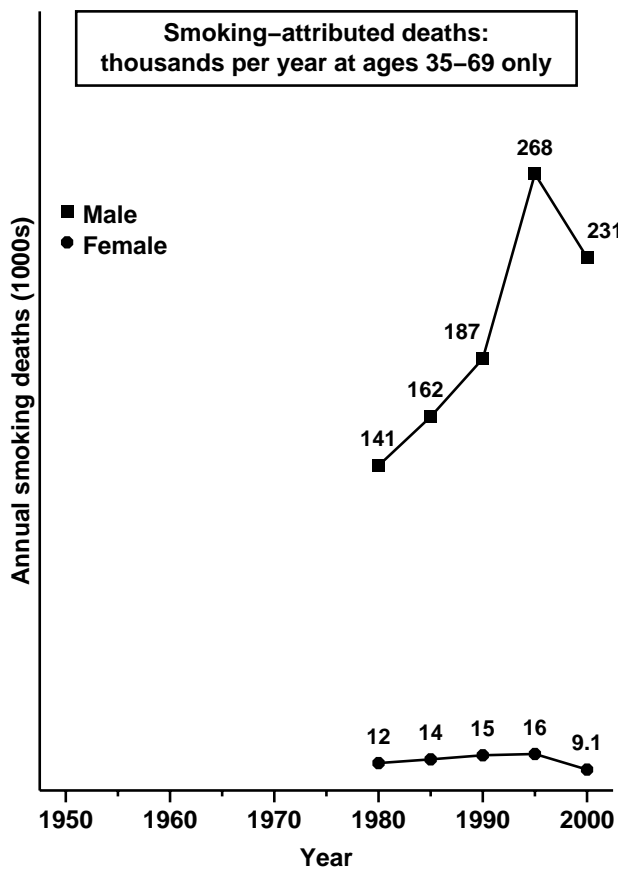
**1980-2000 by age & sex:**

-/2.5M	4.3/12M	0.9/5.3M	5.2/19M	-/0.9M	0.3/5.9M	0.3/12M	0.6/19M
	<b>(37%)</b>	<b>(18%)</b>			<b>( 5%)</b>	<b>( 3%)</b>	

\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

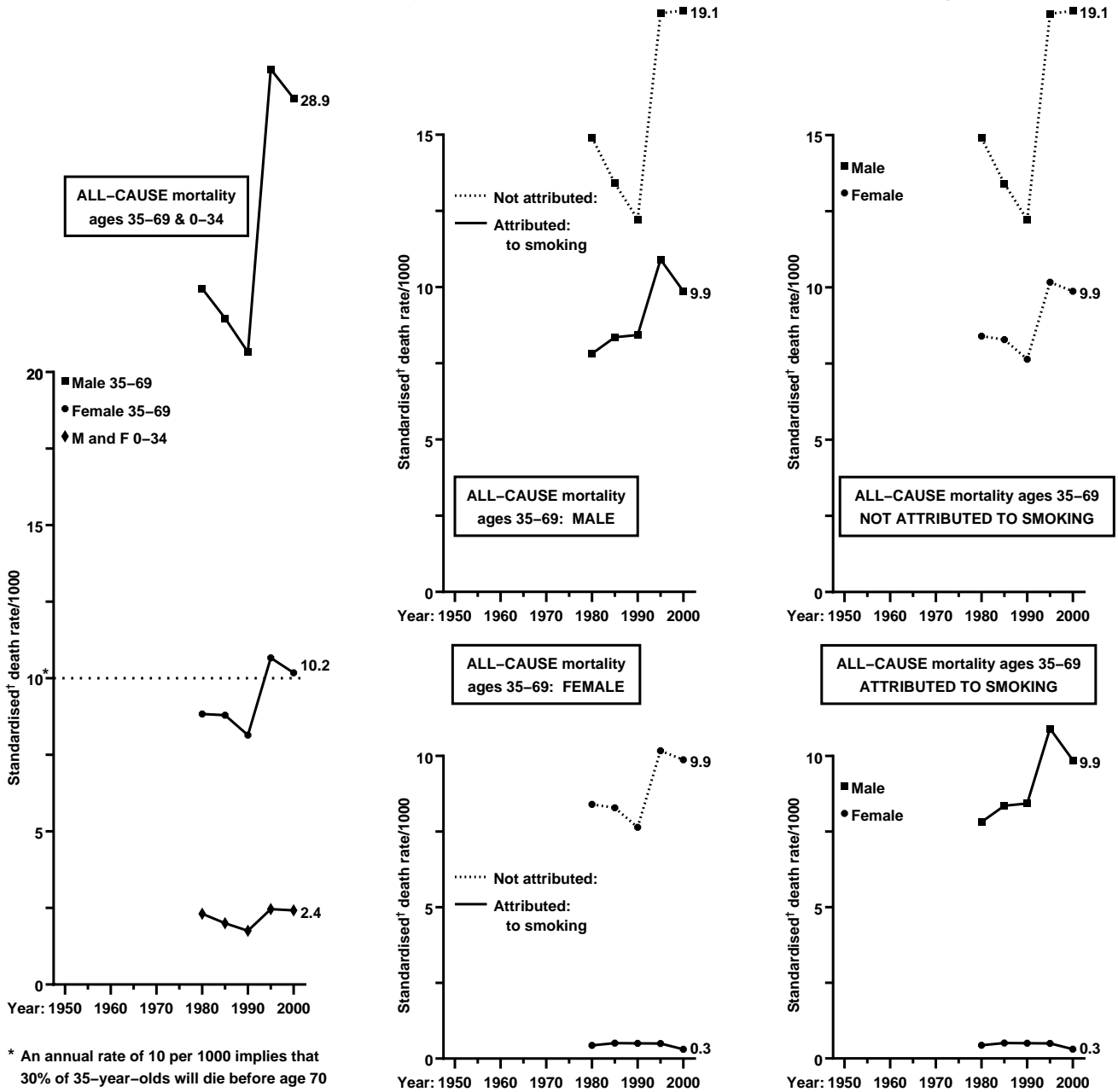


1980-2000: RUSSIAN FEDERATION



**RUSSIAN FEDERATION: 1980-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**

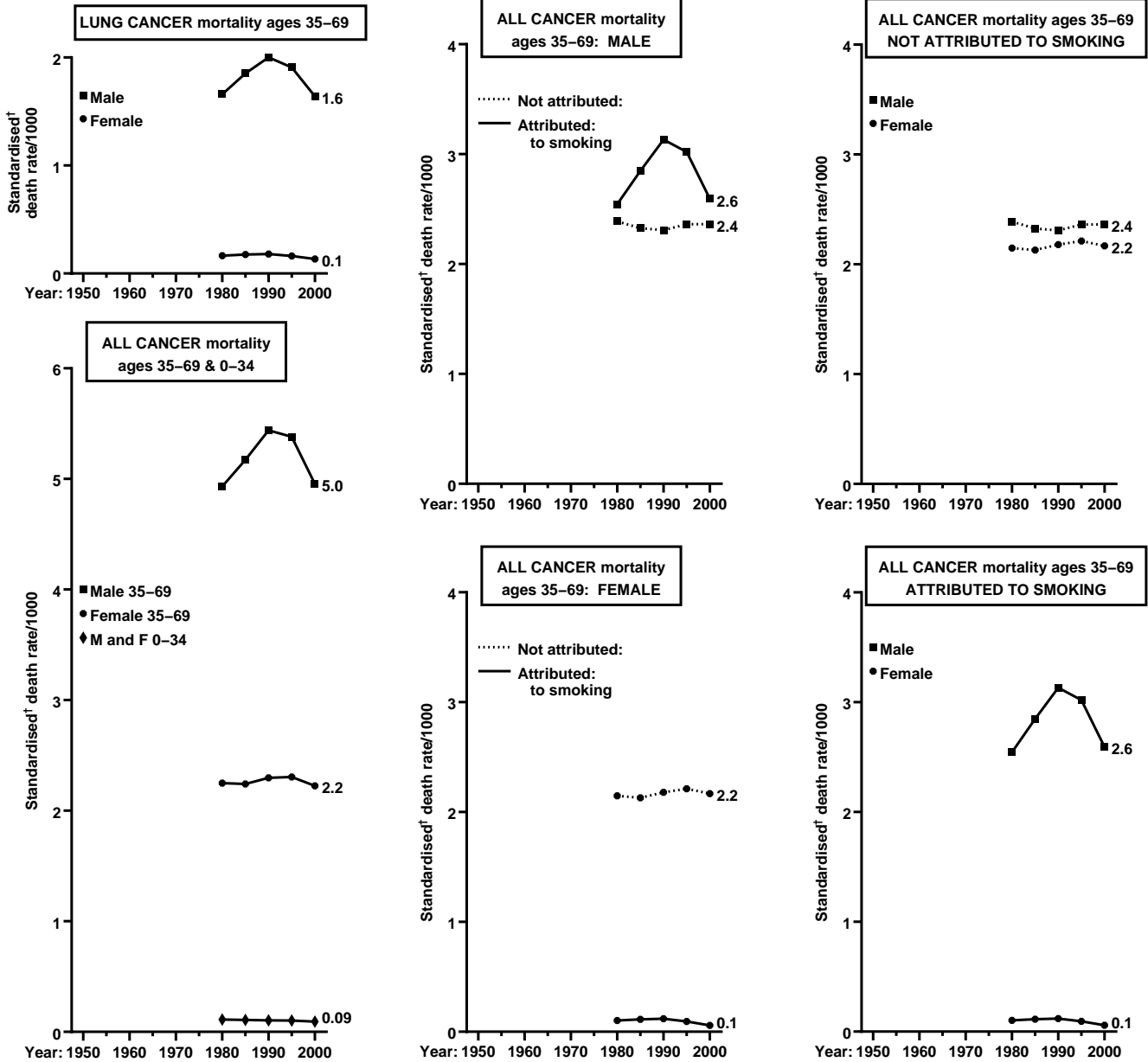


Year	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...
1980	-	3.26	7.81	14.9	14.5	74.7	-	1.35	0.43	8.40	1.17	50.1
1985	-	2.78	8.35	13.4	16.7	73.1	-	1.22	0.51	8.28	1.53	51.3
1990	-	2.50	8.43	12.2	18.4	65.0	-	1.01	0.50	7.64	2.03	47.4
1995	-	3.61	10.9	19.0	18.7	72.1	-	1.31	0.50	10.2	1.85	52.2
2000	-	3.59	9.86	19.1	19.6	73.8	-	1.25	0.30	9.87	1.84	52.9

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1980-2000: RUSSIAN FEDERATION

ALL CANCER mortality rates attributed and not attributed to smoking



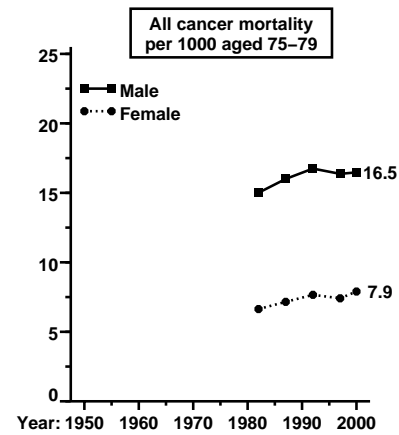
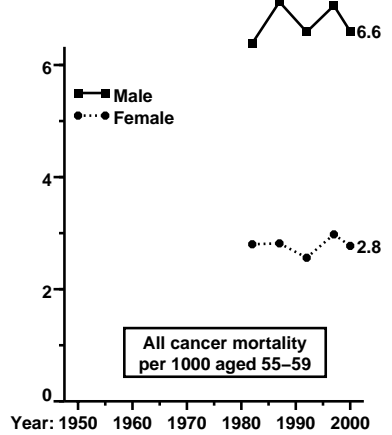
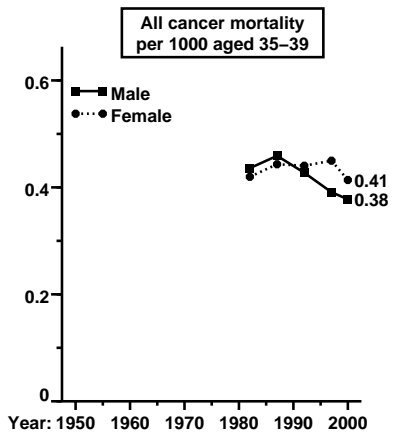
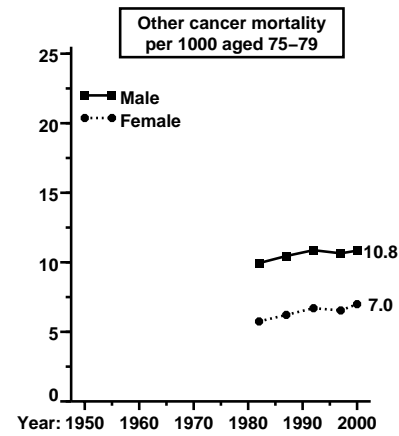
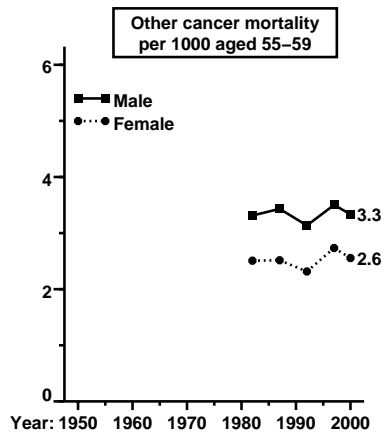
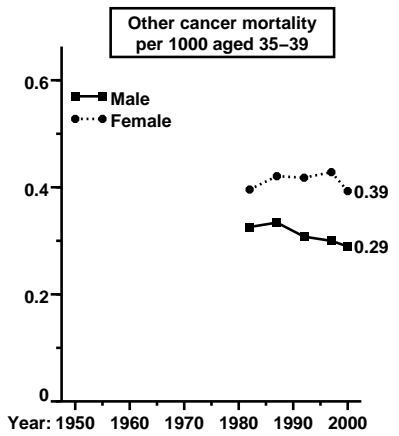
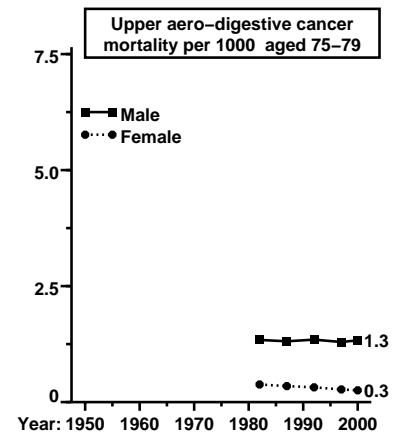
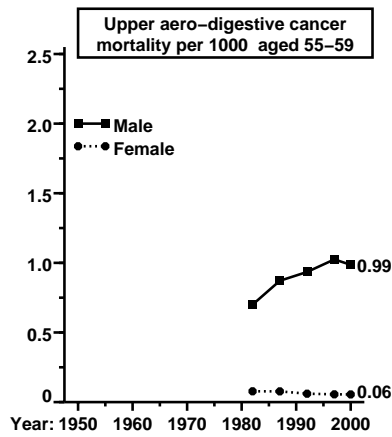
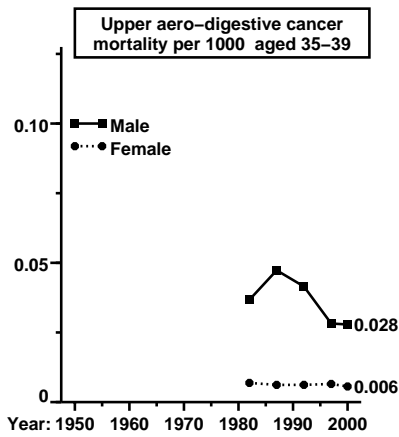
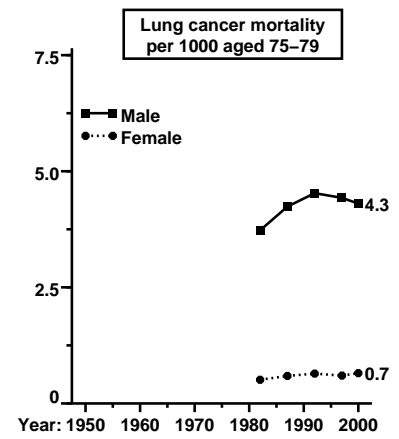
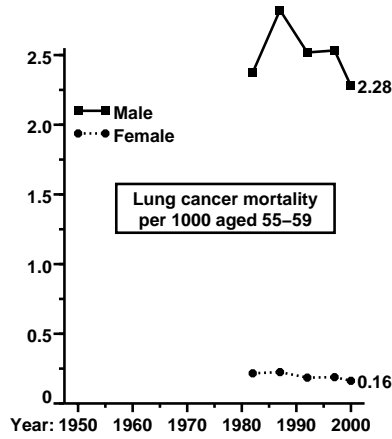
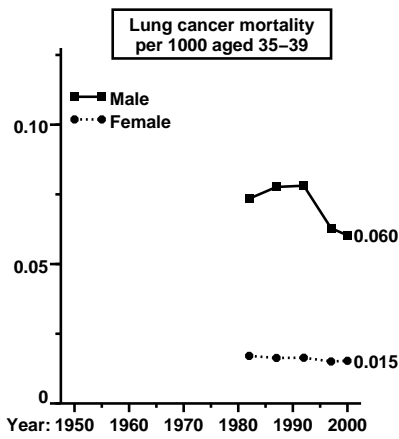
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	-	0.12	2.54	2.39	4.97	9.10	-	0.10	0.10	2.15	0.24	5.97	-	0.10	0.11	2.13
1985	-	0.11	2.85	2.32	5.62	9.37	-	0.10	0.11	2.13	0.30	6.22	-	0.10	0.12	2.18
1990	-	0.11	3.13	2.31	6.63	9.63	-	0.10	0.12	2.18	0.43	6.69	-	0.10	0.09	2.21
1995	-	0.10	3.02	2.36	6.22	9.44	-	0.10	0.09	2.21	0.36	6.55	-	0.10	0.06	2.17
2000	-	0.09	2.59	2.36	6.28	9.61	-	0.09	0.06	2.17	0.36	6.84	-	0.09	0.06	2.17

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**RUSSIAN FEDERATION: 1980-2000**

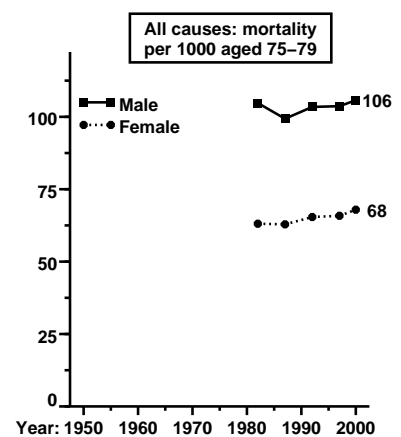
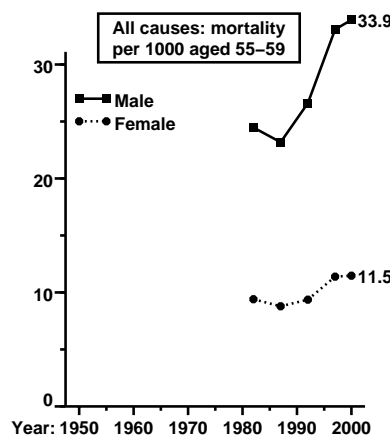
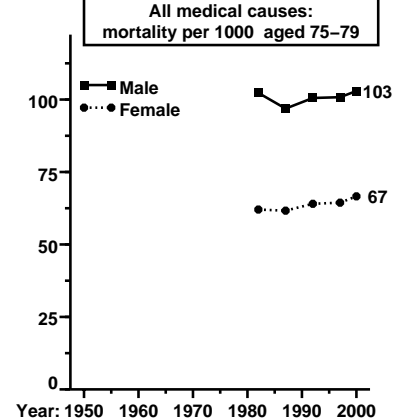
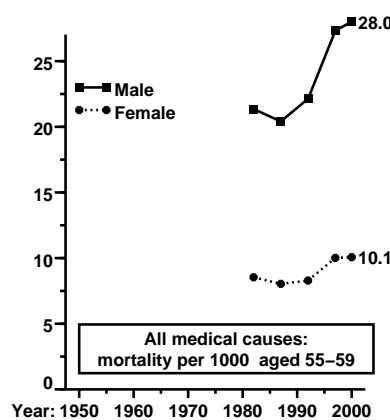
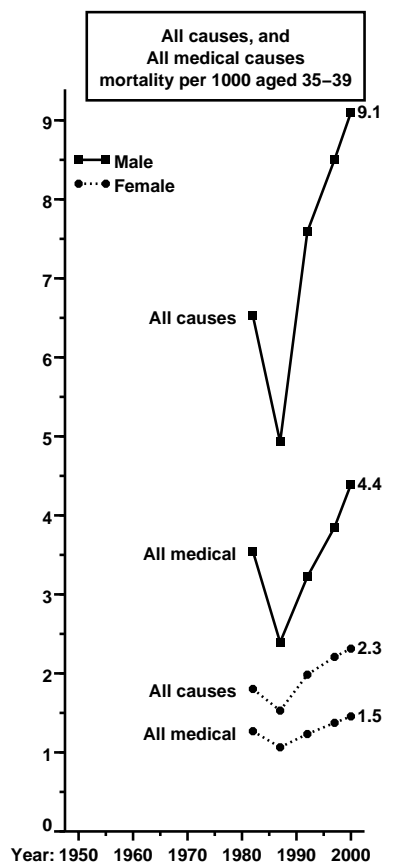
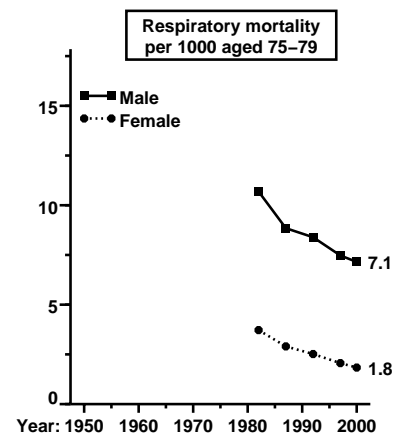
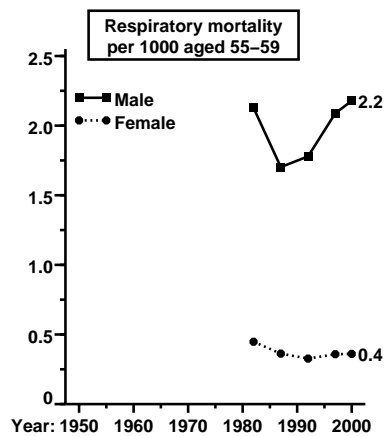
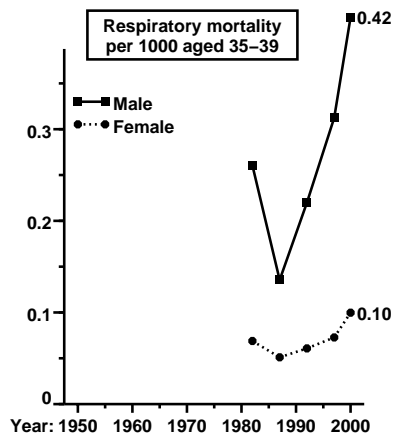
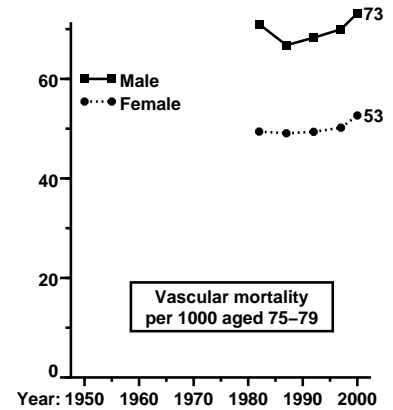
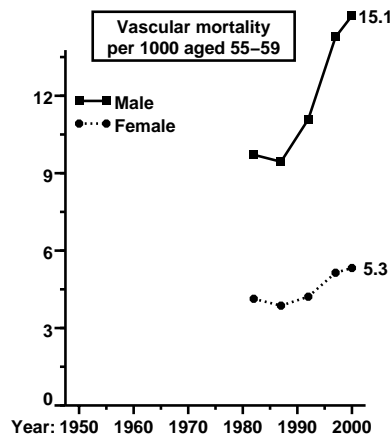
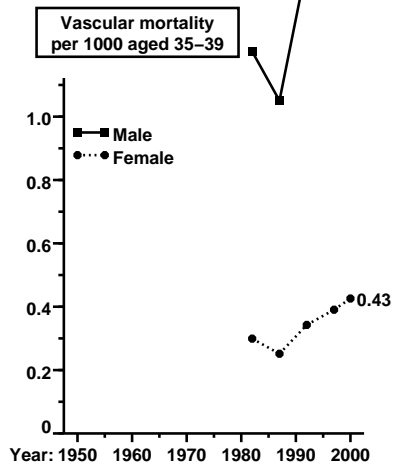
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1980-84,.....,1995-99; then year 2000 separately

1980-2000: RUSSIAN FEDERATION

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1980-84,.....,1995-99; then year 2000 separately

<b>SERBIA and MONTENEGRO: 2000</b>
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		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	61656	2883	28251	1281.3	113.3	1496.4	356.6	27.4	27.3	58.5	98.7	102.9	121.7
	F	56422	1650	16986	932.3	70.7	810.7	269.3	17.2	20.5	28.2	40.7	43.7	75.1
Tuberculosis	M	273	3	180	5.4	0.1	9.2	-	-	-	-	-	0.3	0.5
	F	109	10	45	1.7	0.4	2.1	-	0.3	-	0.5	0.5	0.5	0.8
HIV	M	32	5	27	0.6	0.2	1.2	0.6	-	-	-	0.2	0.3	0.3
	F	11	8	3	0.2	0.3	0.1	-	0.3	-	-	-	0.3	1.7
Other infective and parasitic	M	223	92	91	4.8	3.9	4.7	22.9	1.1	0.5	0.5	1.0	1.0	0.3
	F	179	78	64	3.6	3.5	3.0	18.7	1.2	1.1	1.0	0.8	0.3	1.4
ALL CANCER	M	11481	210	7141	223.4	7.8	378.7	4.6	3.6	6.5	4.7	9.7	8.4	17.0
	F	8475	179	4837	139.2	7.1	226.8	3.6	1.8	2.1	2.3	7.0	8.4	24.5
Mouth and pharynx cancer	M	386	5	291	7.7	0.2	15.1	-	-	0.2	-	0.2	-	0.8
	F	80	-	38	1.3	-	1.8	-	-	-	-	-	-	-
Oesophagus cancer	M	218	-	155	4.2	-	8.3	-	-	-	-	-	-	-
	F	53	1	29	0.9	0.0	1.4	-	-	-	-	-	0.3	-
Stomach cancer	M	904	9	523	17.5	0.3	27.6	-	-	0.2	0.2	0.2	0.3	1.4
	F	520	4	260	8.2	0.2	12.4	-	-	-	-	-	0.3	0.8
Colorectal cancer	M	1276	11	700	24.7	0.4	37.6	-	-	-	-	0.5	1.0	1.4
	F	921	9	421	14.5	0.4	20.1	-	-	-	-	0.8	0.3	1.4
Liver cancer	M	545	2	314	10.6	0.1	17.0	-	-	-	0.2	-	-	0.3
	F	372	5	187	5.8	0.2	9.0	0.7	-	-	-	-	-	0.8
Pancreas cancer	M	481	1	314	9.5	0.0	16.9	-	-	-	-	-	-	0.3
	F	378	2	196	6.0	0.1	9.5	-	-	-	-	-	0.3	0.3
Larynx cancer	M	472	1	346	9.2	0.0	18.3	-	-	-	-	-	-	0.3
	F	42	-	23	0.7	-	1.1	-	-	-	-	-	-	-
Lung cancer	M	3586	11	2497	68.9	0.4	131.8	-	-	0.2	-	-	0.5	2.2
	F	972	8	626	16.0	0.3	29.4	-	-	-	-	0.3	-	2.0
Malignant melanoma	M	115	4	83	2.3	0.2	4.0	-	-	-	-	-	0.3	0.8
	F	84	8	47	1.4	0.3	2.1	-	-	-	-	0.5	0.5	1.1
Female breast cancer	F	1600	15	1091	27.7	0.6	50.3	-	-	-	-	0.3	-	3.9
Cervix cancer	F	496	20	333	8.5	0.8	15.0	-	-	-	-	0.3	0.5	4.8
Other uterine cancer	F	335	6	191	5.5	0.2	9.0	-	-	-	-	0.5	0.5	0.6
Ovarian cancer	F	341	9	244	5.8	0.4	11.4	-	-	0.3	-	0.5	0.3	1.4
Prostate cancer	M	646	-	221	13.2	-	12.5	-	-	-	-	-	-	-
Bladder cancer	M	386	1	192	7.6	0.0	10.7	0.3	-	-	-	-	-	-
	F	141	-	46	2.2	-	2.2	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1936	103	1205	38.0	3.8	63.2	3.7	1.1	3.5	1.9	5.6	4.1	7.0
	F	1736	51	884	28.0	2.0	41.8	2.3	0.9	1.1	1.5	2.1	1.9	4.5
Hodgkin's disease	M	43	7	28	0.9	0.2	1.4	-	-	-	0.2	0.7	0.5	0.3
	F	18	6	7	0.3	0.2	0.3	-	-	-	-	-	1.1	0.6
Myeloma and non-Hodgkin lymphomas	M	201	14	125	3.8	0.5	6.5	-	0.8	0.5	0.2	1.0	0.5	0.5
	F	165	9	99	2.7	0.3	4.7	-	-	0.5	0.3	0.5	0.8	0.3
Leukaemia	M	286	41	147	5.5	1.5	7.6	0.6	1.7	1.7	1.9	1.5	1.3	1.9
	F	221	26	115	3.7	1.0	5.4	0.7	0.9	0.3	0.5	1.3	1.6	2.0
Diabetes	M	1240	9	645	24.5	0.3	35.1	0.3	-	-	-	0.5	0.8	0.8
	F	1666	21	589	25.2	0.8	28.8	-	-	0.3	0.8	1.3	1.4	2.0
ALL VASCULAR DISEASE	M	31567	176	12510	673.5	6.5	677.0	4.0	0.8	2.0	4.3	8.5	10.7	15.4
	F	34420	116	7954	562.1	4.6	384.5	3.3	0.9	3.5	2.5	3.4	6.5	12.1
Rheumatic heart disease and fever	M	96	4	50	1.9	0.1	2.6	-	-	-	0.5	-	0.5	-
	F	117	6	56	2.0	0.2	2.7	-	-	0.5	-	-	-	1.1
Hypertensive disease	M	619	2	257	13.0	0.1	13.8	-	-	-	-	0.2	-	0.3
	F	890	-	215	14.3	-	10.3	-	-	-	-	-	-	-
Ischaemic heart disease	M	7763	52	4271	157.9	1.9	226.5	-	-	-	0.9	1.0	4.3	7.3
	F	5613	13	1846	89.5	0.5	89.2	-	-	-	0.3	-	1.6	1.7
Pulmonary embolism and other venous	M	231	4	129	4.6	0.2	6.9	-	-	-	-	-	0.3	0.8
	F	285	4	130	4.7	0.2	6.1	-	-	-	-	0.3	0.3	0.6
Cerebrovascular disease	M	8616	42	3442	178.2	1.5	188.4	0.6	0.3	1.0	0.9	2.7	2.3	3.0
	F	10644	39	2938	167.2	1.6	141.7	1.6	0.6	0.8	0.5	1.3	2.4	3.7
Other vascular disease	M	14242	72	4361	317.9	2.7	238.8	3.4	0.6	1.0	1.9	4.6	3.3	4.1
	F	16871	54	2769	284.5	2.1	134.5	1.6	0.3	2.1	1.8	1.8	2.2	5.1
Chronic obstructive pulmonary disease	M	1931	8	751	38.9	0.3	42.1	0.3	0.3	0.5	-	0.5	0.5	-
	F	1058	7	307	17.0	0.3	14.9	-	-	-	0.5	0.8	0.3	0.3
Other respiratory disease	M	1260	137	463	26.7	5.6	24.8	26.3	4.7	1.2	2.4	2.9	0.8	1.1
	F	1066	116	253	18.3	5.2	12.2	28.6	3.0	0.8	2.0	0.3	0.8	1.1
Peptic ulcer	M	362	6	174	7.2	0.2	9.4	-	-	0.2	0.2	0.5	0.3	0.3
	F	210	1	73	3.2	0.0	3.5	-	-	-	-	0.3	-	-
Liver cirrhosis	M	777	11	587	15.2	0.4	30.1	-	-	-	0.2	0.2	1.3	1.1
	F	250	2	159	4.0	0.1	7.6	-	-	-	-	-	0.3	0.3
Renal disease	M	806	17	401	16.2	0.6	21.5	0.3	0.6	-	-	0.5	1.3	1.9
	F	811	15	352	12.7	0.6	16.9	0.3	-	0.3	0.5	0.8	1.1	1.1
Pregnancy, birth	F	7	3	4	0.1	0.1	0.2	-	-	-	-	0.5	0.3	-
Congenital and perinatal causes	M	810	797	11	19.7	34.7	0.5	240.1	1.7	0.5	0.2	-	0.3	0.3
	F	557	544	11	14.4	25.4	0.5	173.6	1.2	0.5	0.8	1.0	0.5	0.3
Ill-defined causes	M	5322	417	2327	115.6	16.0	118.9	33.6	4.4	4.2	6.9	16.3	22.7	24.1
	F	4700	207	1094	82.1	8.6	51.7	25.6	2.1	4.0	3.8	6.7	8.1	10.1
Other medical causes	M	2171	151	1088	43.8	5.8	55.5	12.5	1.9	2.7	5.9	4.4	6.9	5.9
	F	1660	110	658	26.7	4.5	31.1	7.9	2.7	2.9	3.8	3.9	4.6	5.3
ALL NON-MEDICAL CAUSES	M	3401	844	1855	65.9	30.7	87.7	11.0	8.3	8.9	33.2	53.6	47.5	52.7
	F	1243	233	583	21.5	9.1	26.9	7.6	3.9	5.1	9.7	13.5	10.3	14.1
Road traffic accidents	M	670	239	357	12.7	8.7	16.2	2.7	4.2	2.5	7.1	19.9	12.8	11.6
	F	179	79	81	3.3	3.1	3.6	2.3	3.0	1.9	4.3	4.2	3.0	3.1
Fire	M	50	10	26	1.0	0.4	1.2	0.9	0.3	-	0.2	0.2	0.3	0.8
	F	30	4	12	0.5	0.2	0.6	1.0	-	-	-	-	-	0.3
Suicide	M	1176	214	640	23.0	7.7	30.9	-	-	1.2	8.1	15.3	13.0	16.5
	F	521	67	282	8.9	2.6	13.1	-	-	1.3	2.8	3.9	3.5	6.5
Homicide	M	184	71	96	3.5	2.6	4.2	-	-	-	2.6	3.9	6.6	4.9
	F	57	13	31	1.0	0.5	1.4	-	-	0.3	0.3	1.3	0.5	1.1
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				5244.1	2686.5	2208.2	327.3	360.8	402.4	422.0	412.3	391.8	369.9	
				5301.0	2518.8	2283.3	304.1	336.5	374.8	393.4	385.5	368.8	355.7	

## 2000: SERBIA and MONTENEGRO

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
199.7	355.7	597.8	1026.6	1620.3	2549.5	4125.6	6059.3	8934.4	15974.9	M	ALL CAUSES	001-999/A00-Y89
106.9	173.5	310.5	490.5	826.5	1371.7	2395.5	4163.9	7325.0	16691.2	F		
3.0	4.5	4.2	7.1	10.8	14.8	19.8	25.5	25.7	26.6	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.9	1.1	0.8	1.5	0.8	3.8	5.8	8.6	13.1	12.6	F		
1.6	1.3	1.5	0.6	1.7	0.8	0.8	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.6	0.3	-	-	-	-	-	-	-	-	F		
0.5	2.1	2.5	4.3	4.5	7.4	11.2	7.8	11.4	21.9	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.7	0.6	1.5	2.4	3.8	4.8	6.2	4.1	8.1	14.7	F		
28.2	69.5	159.2	295.9	441.3	669.8	987.2	1187.4	1272.8	1017.2	M	ALL CANCER	140-208/C00-C97
42.0	79.3	131.5	192.2	272.4	377.2	493.1	606.3	749.5	820.4	F		
1.1	5.1	6.7	14.8	22.3	28.0	27.7	28.8	20.0	26.6	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.3	1.0	3.1	1.9	2.0	4.1	5.4	11.2	11.6	F		
0.3	0.5	4.0	5.6	11.2	17.5	19.0	19.4	19.0	12.5	M	Oesophagus cancer	150/C15
0.3	0.3	0.3	1.8	1.5	1.0	4.5	4.5	3.1	7.4	F		
1.9	6.1	11.4	22.9	28.5	48.3	74.4	100.3	133.1	79.9	M	Stomach cancer	151/C16
2.0	1.9	5.5	6.7	15.0	22.5	33.3	43.7	59.0	57.8	F		
1.6	5.6	15.1	24.1	36.8	66.6	113.2	150.2	196.8	136.4	M	Colorectal cancer	153, 154/C18-C21
2.9	3.0	8.5	11.6	20.0	38.9	55.7	79.1	110.6	127.1	F		
0.3	1.9	6.4	10.2	19.4	33.1	47.5	64.3	75.1	53.3	M	Liver cancer	155.0/C22 excl C221
0.3	1.1	3.8	3.1	11.9	16.1	27.1	37.5	38.5	28.4	F		
1.4	3.7	4.4	11.4	24.8	30.8	41.7	49.3	45.6	45.5	M	Pancreas cancer	157/C25
-	1.7	2.3	6.4	11.5	16.7	27.8	34.6	33.6	44.1	F		
0.3	2.7	7.4	18.2	22.7	32.7	44.2	39.9	31.4	31.3	M	Larynx cancer	161/C32
0.6	0.3	0.8	0.9	1.9	1.4	1.7	3.3	4.4	4.2	F		
7.4	23.8	61.1	109.3	155.1	237.1	328.9	365.9	297.5	164.6	M	Lung cancer	162/C33, C34
3.7	9.9	18.0	24.7	38.5	47.5	63.6	65.9	77.1	56.7	F		
1.6	1.9	2.7	5.9	4.5	5.1	6.6	7.8	9.5	6.3	M	Malignant melanoma	172/C43
1.4	1.4	1.5	3.1	1.2	3.8	2.4	5.4	5.0	8.4	F		
12.3	24.0	37.8	59.2	68.9	72.8	77.0	80.7	101.9	140.8	F	Female breast cancer	174/C50
7.4	10.5	13.8	17.4	16.5	19.8	19.2	28.8	32.3	22.1	F	Cervix cancer	180/C53
1.4	2.8	3.8	7.3	10.0	15.4	22.7	28.4	21.8	35.7	F	Other uterine cancer	179, 182/C54, C55
2.9	3.9	7.8	8.8	16.9	17.4	22.3	17.3	21.8	11.6	F	Ovarian cancer	183/C56, C570-C574
0.3	-	1.2	4.3	9.1	21.8	50.8	88.1	144.5	178.7	M	Prostate cancer	185/C61
-	0.8	2.0	3.7	8.7	20.2	39.7	49.9	58.9	64.3	M	Bladder cancer	188/C67
0.3	-	0.8	1.8	0.8	7.2	4.5	14.4	19.9	29.4	F		
8.5	12.3	28.2	55.6	79.0	106.3	152.9	175.7	183.5	185.0	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.3	13.8	21.3	27.8	43.5	73.5	108.2	129.3	176.5	213.2	F		
1.1	-	1.0	1.2	4.1	0.4	2.1	1.1	3.8	3.1	M	Hodgkin's disease	201/C81
-	0.3	0.3	0.3	0.8	0.7	-	1.2	1.2	-	F		
1.1	1.1	4.0	4.9	4.5	10.9	19.0	18.3	23.8	6.3	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.9	1.1	2.8	2.7	5.0	12.6	7.6	10.7	13.7	9.5	F		
1.4	4.0	3.7	3.7	10.3	10.9	19.4	28.3	30.4	23.5	M	Leukaemia	204-208/C91-C95
1.4	3.0	2.0	5.5	6.5	7.9	11.3	16.1	18.0	12.6	F		
3.3	4.5	9.6	19.5	38.5	59.6	110.7	153.5	172.1	200.6	M	Diabetes	250/E10-E14
1.1	3.9	3.5	8.2	28.9	58.4	97.6	182.5	236.2	244.7	F		
50.9	112.2	207.9	387.9	711.3	1197.4	2071.1	3358.6	5468.6	11079.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
22.6	45.3	96.8	179.4	345.1	664.8	1337.8	2626.0	5078.3	12398.1	F		
0.8	1.1	0.7	0.9	3.7	5.1	6.2	9.4	18.1	9.4	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.8	0.8	2.4	4.6	4.8	5.5	8.2	11.2	17.9	F		
1.4	1.3	4.7	12.0	14.5	21.0	41.3	73.7	102.7	186.5	M	Hypertensive disease	401-405/I10-I15
0.6	3.0	3.8	3.7	8.8	18.1	34.0	65.9	147.9	291.0	F		
21.1	48.6	90.2	168.6	279.6	407.3	569.8	788.8	992.4	1525.1	M	Ischaemic heart disease	410-414/I20-I25
4.9	12.2	25.0	39.4	88.9	169.1	285.2	479.4	753.3	1447.5	F		
2.2	-	2.2	6.2	9.9	7.8	19.8	22.2	33.3	36.1	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.9	1.9	3.0	5.8	6.9	9.9	14.4	22.7	29.2	51.5	F		
12.3	30.2	48.0	80.9	182.4	345.4	619.8	1031.0	1622.6	2453.0	M	Cerebrovascular disease	430-438/I60-I69
9.1	17.1	37.0	73.5	122.0	237.8	495.5	940.7	1704.2	2774.2	F		
13.1	31.0	62.1	119.2	221.3	410.8	814.0	1433.5	2699.6	6869.9	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
7.1	10.2	27.3	54.6	113.9	225.1	503.1	1109.1	2432.6	7816.2	F		
1.6	2.7	6.4	13.3	31.0	70.9	169.0	256.7	385.0	476.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.1	1.7	3.3	7.6	16.9	27.7	46.0	90.6	149.2	298.3	F		
3.8	4.5	7.2	15.4	21.1	48.7	73.1	117.0	207.2	362.1	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.3	1.4	3.5	5.5	13.1	20.2	39.5	74.1	139.8	306.7	F		
1.9	1.3	2.2	5.9	9.5	13.6	31.4	38.2	71.3	59.6	M	Peptic ulcer	531-533/K25-K27
0.3	-	1.5	1.2	3.5	7.2	11.0	17.7	35.4	37.8	F		
2.2	11.2	17.8	28.1	44.3	47.5	59.9	55.4	58.0	28.2	M	Liver cirrhosis	571/K70, K74
1.1	2.2	2.8	4.6	8.8	14.7	18.9	21.8	12.4	16.8	F		
2.5	5.3	5.7	14.2	22.7	40.5	59.5	88.7	123.6	153.6	M	Renal disease	580-590/N00-N19
1.1	4.1	5.0	10.4	17.3	25.6	54.6	66.7	106.9	115.5	F		
1.1	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
0.5	0.5	0.5	0.3	-	0.4	1.2	-	-	3.1	M		
0.3	-	0.8	0.6	0.4	0.7	0.7	0.8	-	-	F	Ill-defined causes	780-799/R00-R99
28.5	45.7	66.7	99.1	132.8	188.1	271.5	384.1	635.0	1907.5	M		
11.7	14.4	25.0	34.2	53.5	81.0	141.9	262.8	520.8	2020.0	F		
12.3	21.6	30.7	49.7	57.1	93.1	124.0	204.0	308.9	374.6	M	Other medical causes	Rest of 001-799/ rest of A00-R99
5.7	6.4	16.8	20.1	29.6	43.7	95.2	132.6	193.9	271.0	F		
58.6	68.4	75.6	85.2	93.9	97.0	135.1	182.4	194.9	263.3	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
13.1	13.0	18.0	22.6	32.3	42.0	47.1	69.2	81.4	134.5	F		
11.8	20.3	16.3	15.8	16.1	17.5	15.3	23.8	20.0	15.7	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
1.1	2.2	4.3	3.7	4.2	3.1	6.9	4.5	3.7	2.1	F		
0.8	1.1	1.2	1.5	0.8	1.2	1.7	2.8	2.9	9.4	M	Fire	E890-E899/X00-X09
-	-	0.3	0.6	0.8	1.0	1.4	0.8	3.1	7.4	F		
17.8	19.0	23.7	31.8	35.6	33.5	55.0	81.5	88.4	128.5	M	Suicide	E950-E959/X60-X84
8.0	6.4	6.8	10.1	15.0	22.5	22.7	28.8	36.0	46.2	F		
4.9	5.9	4.4	3.7	4.5	1.9	4.1	2.2	4.8	12.5	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.1	1.4	2.0	0.3	1.9	1.0	1.7	2.9	1.2	4.2	F		
365.1	374.2	404.5	323.8	241.8	256.8	242.0	180.4	105.2	63.8	M	POPULATION	
350.0	361.9	400.0	327.8	259.9	292.7	291.0	242.8	160.9	95.2	F	(1000s; UN, 2004 revision)	

<b>SERBIA and MONTENEGRO: 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2883	210	11	6	193	8	137	176	11	1497	844
35-69	Sm.	9840	3565	2335	543	687	592	144	3891	-	1648	-
	Total	28251 (35%)	7141 (50%)	2497 (94%)	792 (69%)	3852 (18%)	751 (79%)	463 (31%)	12510 (31%)	587	4944 (33%)	1855
70+	Sm.	4347	1353	946	144	263	752	61	1732	-	449	-
	Total	30522 (14%)	4130 (33%)	1078 (88%)	278 (52%)	2774 (9%)	1172 (64%)	660 (9%)	18881 (9%)	179	4798 (9%)	702
Any age	Sm.	14187	4918	3281	687	950	1344	205	5623	-	2097	-
	Total	61656 (23%)	11481 (43%)	3586 (91%)	1076 (64%)	6819 (14%)	1931 (70%)	1260 (16%)	31567 (18%)	777	11239 (19%)	3401

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	5244.1	2686.5	2208.2	365.1	374.2	404.5	323.8	241.8	256.8	242.0	180.4	105.2	63.8
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	61656	2883	28251	729	1331	2418	3324	3918	6547	9984	10931	9399	10192
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	3586	11	2497	27	89	247	354	375	609	796	660	313	105
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	1281.3*	113.3*	1496.4*	199.7	355.7	597.8	1026.6	1620.3	2549.5	4125.6	6059.3	8934.4	15974.9
<b>All cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	223.4*	7.8*	378.7*	28.2	69.5	159.2	295.9	441.3	669.8	987.2	1187.4	1272.8	1017.2
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	68.9*	0.4*	131.8*	7.4	23.8	61.1	109.3	155.1	237.1	328.9	365.9	297.5	164.6
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	21.2*	0.2*	41.7*	1.6	8.3	18.0	38.6	56.2	78.3	90.9	88.1	70.3	70.5
<b>Other cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	133.4*	7.1*	205.2*	19.2	37.4	80.1	147.9	229.9	354.4	567.4	733.4	904.9	782.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	38.9*	0.3*	42.1*	1.6	2.7	6.4	13.3	31.0	70.9	169.0	256.7	385.0	476.5
<b>Other respiratory disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	26.7*	5.6*	24.8*	3.8	4.5	7.2	15.4	21.1	48.7	73.1	117.0	207.2	362.1
<b>Vascular disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	673.5*	6.5*	677.0*	50.9	112.2	207.9	387.9	711.3	1197.4	2071.1	3358.6	5468.6	11079.9
<b>Liver cirrhosis</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	15.2*	0.4*	30.1*	2.2	11.2	17.8	28.1	44.3	47.5	59.9	55.4	58.0	28.2
<b>Other medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	237.8*	61.9*	255.9*	54.2	87.1	123.6	200.7	277.5	418.2	630.2	901.9	1347.9	2747.6
<b>All non-medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	65.9*	30.7*	87.7*	58.6	68.4	75.6	85.2	93.9	97.0	135.1	182.4	194.9	263.3



## 2000: SERBIA and MONTENEGRO

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
35-69	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
70+	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
Any age	Sm.	...	...	...	...	...	...	...	...	...	...	...
	Total	...	...	...	...	...	...	...	...	...	...	...
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1650	179	8	1	170	7	116	116	2	997	233
35-69	Sm.	2155	550	435	33	82	167	33	1018	-	387	-
	Total	16986 (13%)	4837 (11%)	626 (69%)	90 (37%)	4121 (2%)	307 (54%)	253 (13%)	7954 (13%)	159	2893 (13%)	583
70+	Sm.	1605	247	192	21	34	313	23	826	-	196	-
	Total	37786 (4%)	3459 (7%)	338 (57%)	84 (25%)	3037 (1%)	744 (42%)	697 (3%)	26350 (3%)	89	6020 (3%)	427
Any age	Sm.	3760	797	627	54	116	480	56	1844	-	583	-
	Total	56422 (7%)	8475 (9%)	972 (65%)	175 (31%)	7328 (2%)	1058 (45%)	1066 (5%)	34420 (5%)	250	9910 (6%)	1243

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	5301.0	2518.8	2283.3	350.0	361.9	400.0	327.8	259.9	292.7	291.0	242.8	160.9	95.2
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	56422	1650	16986	374	628	1242	1608	2148	4015	6971	10110	11786	15890
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	972	8	626	13	36	72	81	100	139	185	160	124	54
<b>ANNUAL DEATH RATE / 100,000</b>													
				(*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)									
<b>All causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	932.3*	70.7*	810.7*	106.9	173.5	310.5	490.5	826.5	1371.7	2395.5	4163.9	7325.0	16691.2
<b>All cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	139.2*	7.1*	226.8*	42.0	79.3	131.5	192.2	272.4	377.2	493.1	606.3	749.5	820.4
<b>Lung cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	16.0*	0.3*	29.4*	3.7	9.9	18.0	24.7	38.5	47.5	63.6	65.9	77.1	56.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	2.9*	0.0*	4.2*	0.9	0.8	2.0	5.8	5.4	4.4	10.3	13.2	18.6	23.1
<b>Other cancer</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	120.3*	6.7*	193.2*	37.4	68.5	111.5	161.7	228.5	325.2	419.2	527.2	653.8	740.5
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	17.0*	0.3*	14.9*	1.1	1.7	3.3	7.6	16.9	27.7	46.0	90.6	149.2	298.3
<b>Other respiratory disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	18.3*	5.2*	12.2*	2.3	1.4	3.5	5.5	13.1	20.2	39.5	74.1	139.8	306.7
<b>Vascular disease</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	562.1*	4.6*	384.5*	22.6	45.3	96.8	179.4	345.1	664.8	1337.8	2626.0	5078.3	12398.1
<b>Liver cirrhosis</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	4.0*	0.1*	7.6*	1.1	2.2	2.8	4.6	8.8	14.7	18.9	21.8	12.4	16.8
<b>Other medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	170.1*	44.3*	137.8*	24.6	30.7	54.8	78.7	137.7	225.1	413.1	675.9	1114.4	2716.4
<b>All non-medical causes</b>													
1995	...	...	...	...	...	...	...	...	...	...	...	...	...
2000	21.5*	9.1*	26.9*	13.1	13.0	18.0	22.6	32.3	42.0	47.1	69.2	81.4	134.5

<b>SERBIA and MONTENEGRO: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 2.9	– / 1.6	–
35–69	9.8 / 28	2.2 / 17	20 years
70+	4.3 / 31	1.6 / 38	9 years
<b>All ages</b>	<b>14 / 62</b>	<b>3.8 / 56</b>	<b>16 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

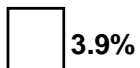
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	2.3/2.5	0.9/1.1	3.3/3.6	–/0.0	0.4/0.6	0.2/0.3	0.6/1.0
All Cancer	–/0.2	3.6/7.1 (50%)	1.4/4.1 (33%)	4.9/11	–/0.2	0.6/4.8 (11%)	0.2/3.5 (7%)	0.8/8.5
Vascular	–/0.2	3.9/13	1.7/19	5.6/32	–/0.1	1.0/8.0	0.8/26	1.8/34
Respiratory	–/0.1	0.7/1.2	0.8/1.8	1.5/3.2	–/0.1	0.2/0.6	0.3/1.4	0.5/2.1
All Other	–/2.4	1.6/7.4	0.4/5.7	2.1/15	–/1.2	0.4/3.6	0.2/6.5	0.6/11
<b>All Causes</b>	<b>–/2.9</b>	<b>9.8/28 (35%)</b>	<b>4.3/31 (14%)</b>	<b>14/62</b>	<b>–/1.6</b>	<b>2.2/17 (13%)</b>	<b>1.6/38 (4%)</b>	<b>3.8/56</b>

**Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	4.9 / 11 (43%)	0.8 / 8.5 (9%)	5.7 / 20 (29%)
All Causes	14 / 62 (23%)	3.8 / 56 (7%)	18 / 118 (15%)

**2000: SERBIA and MONTENEGRO**

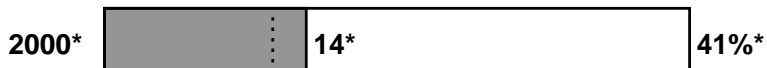
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

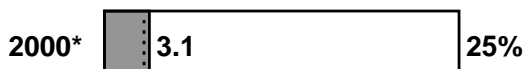
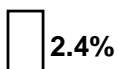
\*eg, at year 2000 male death rates, out of 100 men aged 35, 41 would die before age 70 (with 14 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## SLOVAKIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	28157	1424	13004	1323.6	106.1	1611.1	228.0	20.7	29.9	57.9	109.2	125.8	171.1
	F	24567	576	5937	750.2	47.4	621.1	160.8	19.4	14.6	33.5	26.6	38.0	39.1
Tuberculosis	M	38	2	24	1.8	0.2	2.8	-	-	-	-	-	-	1.1
	F	16	1	3	0.5	0.1	0.4	-	-	-	-	-	-	0.6
HIV	M	2	1	1	0.1	0.1	0.1	-	-	-	-	-	0.5	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	56	12	28	2.7	1.1	3.5	6.8	-	-	-	-	-	1.1
	F	56	12	12	2.0	1.1	1.3	5.7	0.6	0.5	0.5	-	0.5	-
ALL CANCER	M	6985	106	3932	326.4	7.5	505.2	5.4	1.1	4.3	4.4	7.4	12.4	17.2
	F	4886	83	2267	157.5	6.1	230.1	2.1	4.0	2.5	3.7	3.4	10.4	16.5
Mouth and pharynx cancer	M	511	1	426	22.6	0.1	45.9	-	-	-	-	0.4	-	-
	F	46	-	28	1.6	-	2.5	-	-	-	-	-	-	-
Oesophagus cancer	M	230	1	187	10.5	0.1	22.0	-	-	-	-	-	-	0.5
	F	23	-	13	0.8	-	1.2	-	-	-	-	-	-	-
Stomach cancer	M	517	9	252	24.1	0.6	32.8	-	-	-	-	0.4	1.8	2.2
	F	318	3	86	9.6	0.2	8.9	-	-	-	-	-	0.9	0.6
Colorectal cancer	M	1009	5	469	47.9	0.4	63.8	0.7	-	-	-	-	0.9	1.1
	F	713	4	264	22.2	0.3	27.7	-	-	-	-	0.4	0.9	0.6
Liver cancer	M	202	2	118	9.6	0.2	15.1	0.7	-	-	-	-	0.5	-
	F	145	-	58	4.6	-	6.3	-	-	-	-	-	-	-
Pancreas cancer	M	318	2	181	14.8	0.2	23.1	-	-	-	-	-	-	1.1
	F	258	-	111	8.2	-	11.7	-	-	-	-	-	-	-
Larynx cancer	M	190	-	155	8.7	-	18.4	-	-	-	-	-	-	-
	F	12	-	9	0.4	-	0.9	-	-	-	-	-	-	-
Lung cancer	M	1887	3	1173	88.7	0.2	157.8	-	-	-	-	-	0.9	0.5
	F	362	-	193	11.7	-	19.4	-	-	-	-	-	-	-
Malignant melanoma	M	83	2	46	3.8	0.1	5.4	-	-	-	-	-	0.5	0.5
	F	83	2	45	2.8	0.1	4.4	-	-	-	-	-	0.5	0.6
Female breast cancer	F	799	9	446	26.6	0.7	44.1	-	-	-	-	-	0.9	3.9
Cervix cancer	F	220	7	146	7.5	0.5	13.3	-	-	-	-	-	0.9	2.8
Other uterine cancer	F	250	3	105	7.9	0.2	11.2	-	-	-	-	0.4	-	1.1
Ovarian cancer	F	271	4	178	9.3	0.3	18.0	-	-	-	-	-	0.9	1.1
Prostate cancer	M	537	-	130	26.8	-	19.1	-	-	-	-	-	-	-
Bladder cancer	M	178	-	66	8.7	-	9.8	-	-	-	-	-	-	-
	F	57	-	17	1.7	-	1.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	931	48	528	42.3	3.4	65.7	2.7	0.5	2.4	3.1	3.7	4.6	6.5
	F	974	32	407	31.1	2.4	42.0	1.4	2.3	1.5	2.7	2.1	1.4	5.0
Hodgkin's disease	M	27	7	16	1.2	0.5	2.0	-	-	-	-	1.2	1.4	0.5
	F	27	3	13	0.9	0.2	1.5	-	-	-	-	-	1.4	-
Myeloma and non- Hodgkin lymphomas	M	180	6	93	8.3	0.4	11.8	-	-	0.5	-	0.4	0.9	1.1
	F	186	4	84	6.0	0.3	8.7	-	-	0.5	-	-	1.4	-
Leukaemia	M	185	20	92	8.4	1.4	12.4	1.4	0.5	1.4	1.3	1.2	0.9	3.2
	F	142	12	64	4.6	0.9	6.3	0.7	1.7	0.5	0.9	0.4	0.9	1.1
Diabetes	M	320	-	157	14.8	-	20.2	-	-	-	-	-	-	-
	F	438	1	115	13.1	0.1	12.8	-	-	-	-	-	0.5	-
ALL VASCULAR DISEASE	M	13558	84	5005	659.5	5.8	659.9	2.7	0.5	1.4	3.1	9.1	8.3	15.6
	F	15325	35	2309	450.4	2.7	255.5	4.2	1.1	0.5	0.9	2.6	3.3	6.1
Rheumatic heart disease and fever	M	41	1	23	1.9	0.1	3.1	-	-	-	-	-	0.5	-
	F	79	2	42	2.6	0.1	4.7	-	-	-	-	0.4	0.5	-
Hypertensive disease	M	1504	1	690	72.2	0.1	92.4	-	-	-	-	-	0.5	-
	F	1878	1	396	55.6	0.1	43.5	-	-	-	-	-	-	0.6
Ischaemic heart disease	M	7476	18	2672	365.5	1.3	356.3	-	-	-	-	1.2	2.3	5.4
	F	8212	3	1130	241.2	0.2	126.4	-	-	-	-	-	0.9	0.6
Pulmonary embolism and other venous	M	450	7	182	21.5	0.5	22.8	-	-	-	0.4	0.8	0.9	1.1
	F	528	6	117	15.7	0.5	12.3	0.7	-	-	-	-	0.9	1.7
Cerebrovascular disease	M	2140	13	700	103.5	0.9	93.7	-	0.5	1.0	0.4	1.7	1.4	1.1
	F	2537	4	336	73.3	0.3	37.4	-	-	-	-	0.4	0.5	1.1
Other vascular disease	M	1947	44	738	94.9	3.1	91.7	2.7	-	0.5	2.2	5.4	2.8	8.1
	F	2091	19	288	62.0	1.5	31.2	3.5	1.1	0.5	0.9	1.7	0.5	2.2
Chronic obstructive pulmonary disease	M	589	3	196	28.7	0.2	26.4	-	-	-	0.4	-	0.5	0.5
	F	288	-	55	8.6	-	5.9	-	-	-	-	-	-	-
Other respiratory disease	M	1049	74	319	51.2	6.3	39.8	31.1	1.1	1.4	1.3	3.7	2.3	3.2
	F	983	32	145	29.9	2.9	15.4	14.2	2.3	0.5	0.9	0.4	0.9	1.1
Peptic ulcer	M	167	1	95	7.9	0.1	11.5	-	-	-	0.4	-	-	-
	F	101	1	28	3.1	0.1	2.8	-	-	-	-	-	-	0.6
Liver cirrhosis	M	965	24	818	42.6	1.8	90.6	0.7	-	-	0.4	-	2.3	9.1
	F	296	4	233	10.7	0.3	22.3	-	-	-	-	0.4	0.9	0.6
Renal disease	M	320	2	166	15.2	0.2	20.7	-	-	-	-	-	-	1.1
	F	285	5	93	8.7	0.4	9.7	0.7	-	-	0.5	0.4	0.9	-
Pregnancy, birth Congenital and perinatal causes	F	1	1	-	0.0	0.1	-	-	-	-	0.5	-	-	-
	M	227	217	8	12.0	20.7	0.9	140.1	1.6	1.4	-	1.2	0.5	-
	F	168	163	4	9.2	16.1	0.4	106.2	2.3	0.5	1.8	0.4	-	1.7
Ill-defined causes	M	373	69	212	16.0	5.0	21.7	7.4	-	-	0.9	6.6	7.8	12.4
	F	219	27	52	7.0	2.2	5.2	7.1	1.1	0.5	1.4	1.7	3.3	-
Other medical causes	M	1057	120	577	47.6	9.0	65.5	18.3	3.3	4.8	7.0	5.8	7.8	16.1
	F	842	76	302	27.1	5.8	30.9	12.0	4.6	6.0	5.0	3.9	7.1	2.2
ALL NON- MEDICAL CAUSES	M	2451	709	1466	97.2	48.2	142.4	15.6	13.1	16.4	39.9	75.3	83.4	93.6
	F	663	135	319	22.5	9.6	28.5	8.5	3.4	3.5	18.3	13.3	10.0	9.9
Road traffic accidents	M	611	264	295	23.4	17.7	28.9	5.4	8.2	6.3	18.9	30.2	29.5	25.8
	F	160	61	60	5.4	4.2	5.4	2.1	1.1	2.0	9.6	7.3	4.3	2.8
Fire	M	30	5	17	1.3	0.4	1.5	0.7	1.1	-	0.4	-	0.5	-
	F	24	5	11	0.8	0.4	0.9	1.4	1.1	-	0.5	-	-	-
Suicide	M	594	152	376	23.3	10.0	35.1	-	-	1.4	6.6	21.1	20.7	20.4
	F	135	17	94	4.7	1.1	8.1	-	-	0.5	1.8	2.1	1.9	1.7
Homicide	M	90	35	52	3.4	2.4	4.8	-	0.5	0.5	1.3	2.1	5.5	7.0
	F	28	9	12	1.0	0.7	1.0	0.7	-	0.5	1.4	0.4	0.5	1.1
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		2625.4	1411.3	1063.9	147.8	183.5	207.6	227.8	241.7	217.0	185.9
			<b>F=female</b>		2775.0	1358.8	1154.4	141.2	175.0	199.1	218.2	233.0	210.7	181.6

## 2000: SLOVAKIA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
237.7	421.3	735.1	1219.9	1755.1	2802.1	4106.4	6061.7	8745.4	15994.0	M	ALL CAUSES	001-999/A00-Y89
85.8	152.9	253.4	395.7	621.4	1062.2	1776.6	3114.2	5581.6	14836.1	F		
-	1.0	2.9	1.9	3.4	4.2	5.8	1.5	4.1	26.9	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	-	-	-	-	1.6	0.8	2.8	5.7	6.1	F		
-	-	0.5	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
0.5	1.0	1.0	1.9	4.3	12.6	3.5	11.7	8.2	12.0	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	0.5	-	0.6	2.2	2.5	3.4	7.4	6.8	27.3	F		
24.9	81.6	192.0	389.1	575.3	923.6	1349.7	1660.8	2041.1	2461.1	M	ALL CANCER	140-208/C00-C97
32.6	70.6	131.7	179.6	255.1	385.4	555.6	723.3	932.0	1418.8	F		
2.0	19.8	43.6	69.1	48.8	77.5	60.8	57.3	53.4	56.9	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	1.9	2.9	4.7	2.2	3.3	1.7	2.8	7.9	12.1	F		
1.5	3.9	13.7	27.9	29.1	31.4	46.8	26.4	28.7	29.9	M	Oesophagus cancer	150/C15
0.5	1.0	1.0	-	4.4	0.8	0.8	2.8	3.4	6.1	F		
2.5	4.8	8.8	26.0	36.0	66.0	85.4	149.8	188.9	185.6	M	Stomach cancer	151/C16
0.5	2.4	4.8	5.9	8.0	14.7	26.1	56.6	81.6	145.7	F		
2.5	7.2	14.7	34.2	69.3	116.2	202.3	286.3	371.7	476.0	M	Colorectal cancer	153, 154/C18-C21
1.0	5.8	14.4	16.5	24.7	58.9	72.5	104.9	163.3	285.3	F		
0.5	1.9	6.4	12.0	18.0	28.3	38.6	39.6	53.4	86.8	M	Liver cancer	155.0, 155.1/C22
0.5	0.5	1.4	3.5	6.5	14.7	16.9	26.0	34.0	44.0	F		
0.5	2.4	9.3	20.9	28.3	40.8	59.6	73.4	106.8	98.8	M	Pancreas cancer	157/C25
-	2.4	4.3	7.7	16.0	20.5	31.2	46.4	53.3	75.9	F		
1.0	4.3	10.8	20.3	25.7	31.4	35.1	22.0	28.7	18.0	M	Larynx cancer	161/C32
-	0.5	-	1.2	1.5	3.3	-	0.9	1.1	1.5	F		
3.6	14.0	38.7	100.8	186.6	304.7	456.1	491.9	474.3	434.1	M	Lung cancer	162/C33, C34
1.6	8.3	15.4	10.6	17.4	33.6	48.9	44.6	68.0	92.6	F		
1.0	1.4	3.4	5.1	7.7	7.3	11.7	25.0	16.4	29.9	M	Malignant melanoma	172/C43
1.0	1.9	3.8	4.1	2.9	8.2	8.4	4.6	10.2	33.4	F		
6.2	15.6	29.3	44.3	55.2	60.6	97.8	99.4	122.4	195.8	F	Female breast cancer	174/C50
5.7	7.3	17.8	12.4	8.7	23.7	17.7	29.7	19.3	27.3	F	Cervix cancer	180/C53
1.0	1.9	3.8	5.9	11.6	18.8	35.4	50.1	55.6	59.2	F	Other uterine cancer	179, 182/C54, C55
2.6	5.4	8.7	17.7	21.1	28.6	42.2	28.8	32.9	44.0	F	Ovarian cancer	183.0/C56
0.5	-	2.4	4.4	18.8	28.3	79.5	126.3	271.0	565.9	M	Prostate cancer	185/C61
-	-	0.5	3.2	9.4	16.8	38.6	44.1	82.1	125.7	M	Bladder cancer	188/C67
-	-	1.0	1.2	1.5	-	9.3	11.1	15.9	21.2	F		
6.6	15.0	29.4	53.2	76.2	119.4	160.2	224.7	262.8	221.6	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
7.8	10.7	14.9	33.7	53.8	65.5	107.9	153.2	200.7	292.9	F	Hodgkin's disease	201/C81
-	-	1.5	1.9	0.9	6.3	3.5	4.4	-	3.0	M		
-	-	-	-	1.5	2.5	6.7	4.6	2.3	6.1	F		
1.0	3.9	3.9	7.6	12.0	24.1	30.4	51.4	49.3	65.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.6	1.9	3.4	6.5	10.2	16.4	21.1	33.4	35.1	47.0	F	Leukaemia	204-208/C91-C95
1.5	2.9	4.9	2.5	8.6	25.1	40.9	38.2	53.4	62.9	M		
2.1	2.9	4.8	3.5	8.0	11.5	11.0	23.2	24.9	28.8	F		
2.5	3.9	7.8	13.9	17.1	39.8	56.1	101.3	121.1	104.8	M	Diabetes	250/E10-E14
0.5	1.0	2.9	3.5	10.2	31.9	39.6	89.1	123.6	177.5	F		
40.1	93.1	220.4	417.6	680.7	1206.3	1961.4	3368.6	5219.7	10877.2	M	ALL VASCULAR DISEASE	390-459/I00-I99
9.8	29.7	46.2	109.3	221.7	449.3	922.4	1906.2	3857.1	11420.3	F		
-	1.0	-	1.9	4.3	8.4	5.8	11.7	16.4	3.0	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.5	1.0	1.2	5.8	10.6	13.5	13.0	14.7	12.1	F		
4.1	9.2	27.9	52.0	102.7	184.3	266.7	364.2	566.7	865.3	M	Hypertensive disease	401-405/I10-I15
1.0	5.4	8.2	22.4	42.9	67.9	156.8	264.6	520.4	1118.4	F		
13.2	46.8	106.8	226.2	362.2	644.0	1094.7	1909.0	2872.7	6248.5	M	Ischaemic heart disease	410-414/I20-I25
2.6	10.2	19.2	49.0	102.5	234.0	467.1	1006.5	1964.9	6467.4	F		
4.6	6.3	8.3	17.1	24.8	30.4	67.8	95.4	174.5	332.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
2.1	3.4	4.3	7.1	10.2	18.0	41.3	68.7	141.7	312.6	F		
6.1	13.5	32.8	48.2	77.9	175.9	301.8	599.1	928.1	1697.6	M	Cerebrovascular disease	430-438/I60-I69
0.5	4.4	7.2	12.4	32.7	69.6	134.9	347.3	752.8	1758.7	F		
12.2	16.4	44.6	72.2	108.7	163.4	224.6	389.1	661.2	1730.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
3.6	5.8	6.3	17.1	27.6	49.1	108.8	206.1	462.6	1751.1	F		
1.5	2.4	7.8	13.3	30.8	48.2	80.7	133.6	281.3	485.0	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
2.1	0.5	0.5	4.1	5.1	9.0	20.2	36.2	62.4	210.9	F		
7.6	8.2	22.5	25.3	34.2	62.8	118.1	202.6	402.5	964.1	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.1	2.4	4.8	9.5	16.0	31.1	42.2	86.4	207.5	804.2	F		
1.0	2.4	6.4	12.0	12.0	22.0	24.6	38.2	37.0	80.8	M	Peptic ulcer	531-533/K25-K27
0.5	-	2.4	4.1	2.2	2.5	7.6	17.6	23.8	48.6	F		
23.9	44.9	60.2	97.0	119.9	157.1	131.0	104.3	67.8	56.9	M	Liver cirrhosis	571/K70, K74
5.7	11.7	16.8	23.0	29.8	41.7	27.0	25.1	20.4	21.2	F		
2.0	4.3	6.9	19.0	28.3	36.6	48.0	58.7	110.9	173.7	M	Renal disease	580-590/N00-N19
1.0	1.9	4.3	7.1	9.4	13.9	30.4	44.6	72.6	113.8	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-O99 740-779/A33, P00-P96, Q00-Q99
-	-	-	0.6	1.5	-	0.8	-	1.1	-	M	Ill-defined causes	780-799/R00-R99
16.3	11.6	20.6	21.5	24.8	20.9	36.3	45.5	47.2	113.8	M		
2.1	1.5	2.4	5.9	4.4	5.7	14.3	24.1	42.0	116.8	F		
20.8	33.8	37.2	62.1	61.6	124.6	118.1	160.1	250.5	386.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.2	8.8	14.4	23.0	31.3	56.5	75.0	102.1	159.9	323.2	F		
96.0	132.7	148.9	143.2	162.7	141.4	171.9	171.8	154.0	251.5	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
22.2	24.4	26.9	25.4	32.7	31.1	37.1	49.2	66.9	147.2	F		
23.4	28.0	27.9	21.5	31.7	35.6	33.9	32.3	24.6	53.9	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.7	3.9	5.3	4.7	5.1	5.7	8.4	8.4	14.7	25.8	F		
2.0	1.4	1.5	1.9	1.7	1.0	1.2	2.9	4.1	12.0	M	Fire	E890-E899/X00-X09
1.6	1.5	1.0	-	-	-	2.5	4.6	-	4.6	F		
21.3	38.6	38.7	46.3	42.0	26.2	32.7	45.5	41.1	44.9	M	Suicide	E950-E959/X60-X84
7.2	8.3	8.2	9.5	9.4	7.4	6.7	8.4	7.9	12.1	F		
4.1	4.8	6.4	4.4	5.1	5.2	3.5	2.9	-	3.0	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.0	0.5	1.4	2.4	-	0.8	0.8	1.9	2.3	4.6	F		
196.9	207.2	204.2	157.8	116.8	95.5	85.5	68.1	48.7	33.4	M	POPULATION	
193.4	205.3	208.0	169.3	137.6	122.2	118.6	107.7	88.2	65.9	F	(1000s; UN, 2004 revision)	

<b>SLOVAKIA: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1578	118	2	4	112	4	100	102	19	478	757
35-69	Sm.	5132	2243	1251	555	437	105	206	2133	-	445	-
	Total	13226 (39%)	3956 (57%)	1315 (95%)	736 (75%)	1905 (23%)	124 (85%)	516 (40%)	5469 (39%)	633	1064 (42%)	1464
70+	Sm.	2242	886	566	105	215	118	111	1022	-	105	-
	Total	13321 (17%)	2525 (35%)	622 (91%)	177 (59%)	1726 (12%)	168 (70%)	977 (11%)	8309 (12%)	126	820 (13%)	396
Any age	Sm.	7374	3129	1817	660	652	223	317	3155	-	550	-
	Total	28125 (26%)	6599 (47%)	1939 (94%)	917 (72%)	3743 (17%)	296 (75%)	1593 (20%)	13880 (23%)	778	2362 (23%)	2617
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1424	106	3	2	101	3	74	84	24	424	709
35-69	Sm.	4600	2057	1108	546	403	161	116	1788	-	478	-
	Total	13004 (35%)	3932 (52%)	1173 (94%)	768 (71%)	1991 (20%)	196 (82%)	319 (36%)	5005 (36%)	818	1268 (38%)	1466
70+	Sm.	2562	1017	648	98	271	284	79	1067	-	115	-
	Total	13729 (19%)	2947 (35%)	711 (91%)	161 (61%)	2075 (13%)	390 (73%)	656 (12%)	8469 (13%)	123	868 (13%)	276
Any age	Sm.	7162	3074	1756	644	674	445	195	2855	-	593	-
	Total	28157 (25%)	6985 (44%)	1887 (93%)	931 (69%)	4167 (16%)	589 (76%)	1049 (19%)	13558 (21%)	965	2560 (23%)	2451

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2612.4	1464.8	1008.6	210.7	210.3	165.4	125.8	107.0	101.4	88.0	71.1	29.9	38.0
2000	2625.4	1411.3	1063.9	196.9	207.2	204.2	157.8	116.8	95.5	85.5	68.1	48.7	33.4
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	28125	1578	13226	578	1019	1254	1589	2043	3019	3724	4451	2659	6211
2000	28157	1424	13004	468	873	1501	1925	2050	2676	3511	4128	4259	5342
<b>Lung cancer</b>													
1995	1939	2	1315	14	39	85	148	259	381	389	350	126	146
2000	1887	3	1173	7	29	79	159	218	291	390	335	231	145
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1377.5*	112.6*	1699.8*	274.3	484.5	758.2	1263.1	1909.3	2977.3	4231.8	6260.2	8893.0	16344.7
2000	1323.6*	106.1*	1611.1*	237.7	421.3	735.1	1219.9	1755.1	2802.1	4106.4	6061.7	8745.4	15994.0
<b>All cancer</b>													
1995	324.3*	8.2*	521.5*	37.0	106.0	215.8	392.7	629.0	995.1	1275.0	1575.2	1856.2	2236.8
2000	326.4*	7.5*	505.2*	24.9	81.6	192.0	389.1	575.3	923.6	1349.7	1660.8	2041.1	2461.1
<b>Lung cancer</b>													
1995	95.5*	0.1*	179.2*	6.6	18.5	51.4	117.6	242.1	375.7	442.0	492.3	421.4	384.2
2000	88.7*	0.2*	157.8*	3.6	14.0	38.7	100.8	186.6	304.7	456.1	491.9	474.3	434.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	44.3*	0.3*	87.8*	7.6	37.6	71.9	108.9	120.6	150.9	117.0	128.0	117.1	134.2
2000	41.7*	0.1*	86.4*	4.6	28.0	68.1	117.2	103.6	140.3	142.7	105.7	110.9	104.8
<b>Other cancer</b>													
1995	184.5*	7.7*	254.6*	22.8	49.9	92.5	166.1	266.4	468.4	715.9	955.0	1317.7	1718.4
2000	196.0*	7.1*	261.0*	16.8	39.6	85.2	171.1	285.1	478.5	750.9	1063.1	1455.9	1922.2
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	14.9*	0.3*	17.2*	0.9	2.9	3.6	4.8	16.8	39.4	52.3	66.1	117.1	226.3
2000	28.7*	0.2*	26.4*	1.5	2.4	7.8	13.3	30.8	48.2	80.7	133.6	281.3	485.0
<b>Other respiratory disease</b>													
1995	79.8*	7.2*	67.3*	10.0	17.6	27.8	41.3	74.8	122.3	177.3	329.1	605.4	1478.9
2000	51.2*	6.3*	39.8*	7.6	8.2	22.5	25.3	34.2	62.8	118.1	202.6	402.5	964.1
<b>Vascular disease</b>													
1995	699.9*	7.3*	740.7*	54.6	135.0	219.5	461.8	787.9	1344.2	2181.8	3603.4	5374.6	10894.7
2000	659.5*	5.8*	659.9*	40.1	93.1	220.4	417.6	680.7	1206.3	1961.4	3368.6	5219.7	10877.2
<b>Liver cirrhosis</b>													
1995	36.9*	1.4*	72.7*	23.7	31.4	67.1	85.9	98.1	111.4	90.9	88.6	127.1	65.8
2000	42.6*	1.8*	90.6*	23.9	44.9	60.2	97.0	119.9	157.1	131.0	104.3	67.8	56.9
<b>Other medical causes</b>													
1995	111.8*	36.1*	129.5*	36.1	52.3	78.6	110.5	146.7	204.1	278.4	406.5	568.6	950.0
2000	118.0*	36.3*	146.8*	43.7	58.4	83.3	134.3	151.5	262.8	293.6	420.0	579.1	898.2
<b>All non-medical causes</b>													
1995	110.0*	52.2*	150.9*	112.0	139.3	145.7	166.1	156.1	160.7	176.1	191.3	244.1	492.1
2000	97.2*	48.2*	142.4*	96.0	132.7	148.9	143.2	162.7	141.4	171.9	171.8	154.0	251.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: SLOVAKIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	754	100	1	1	98	5	82	36	5	338	188
35-69	Sm.	248	75	57	7	11	12	13	117	-	31	-
	Total	6575	2149	141	53	1955	42	264	2913	182	696	329
		(4%)	(3%)	(40%)	(13%)	(1%)	(29%)	(5%)	(4%)		(4%)	
70+	Sm.	464	97	71	11	15	47	27	267	-	26	-
	Total	17229	2099	146	53	1900	128	1232	12091	47	1121	511
		(3%)	(5%)	(49%)	(21%)	(1%)	(37%)	(2%)	(2%)		(2%)	
Any age	Sm.	712	172	128	18	26	59	40	384	-	57	-
	Total	24558	4348	288	107	3953	175	1578	15040	234	2155	1028
		(3%)	(4%)	(44%)	(17%)	(1%)	(34%)	(3%)	(3%)		(3%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	576	83	0	0	83	0	32	35	4	287	135
35-69	Sm.	380	134	103	11	20	21	10	170	-	45	-
	Total	5937	2267	193	50	2024	55	145	2309	233	609	319
		(6%)	(6%)	(53%)	(22%)	(1%)	(38%)	(7%)	(7%)		(7%)	
70+	Sm.	468	100	78	5	17	77	15	251	-	25	-
	Total	18054	2536	169	31	2336	233	806	12981	59	1230	209
		(3%)	(4%)	(46%)	(16%)	(1%)	(33%)	(2%)	(2%)		(2%)	
Any age	Sm.	848	234	181	16	37	98	25	421	-	70	-
	Total	24567	4886	362	81	4443	288	983	15325	296	2126	663
		(3%)	(5%)	(50%)	(20%)	(1%)	(34%)	(3%)	(3%)		(3%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2751.4	1411.1	1105.0	206.3	209.8	171.8	141.1	127.3	127.2	121.5	109.2	49.3	76.8
2000	2775.0	1358.8	1154.4	193.4	205.3	208.0	169.3	137.6	122.2	118.6	107.7	88.2	65.9
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	24558	754	6575	202	337	443	672	896	1552	2473	3762	2794	10673
2000	24567	576	5937	166	314	527	670	855	1298	2107	3354	4923	9777
<b>Lung cancer</b>													
1995	288	1	141	3	10	20	22	15	34	37	53	35	58
2000	362	-	193	3	17	32	18	24	41	58	48	60	61
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	778.8*	57.2*	707.4*	97.9	160.6	257.9	476.3	703.8	1220.1	2035.4	3445.1	5667.3	13897.1
2000	750.2*	47.4*	621.1*	85.8	152.9	253.4	395.7	621.4	1062.2	1776.6	3114.2	5581.6	14836.1
<b>All cancer</b>													
1995	150.3*	7.3*	226.1*	35.9	69.6	115.8	200.6	267.1	370.3	523.5	666.7	839.8	1246.1
2000	157.5*	6.1*	230.1*	32.6	70.6	131.7	179.6	255.1	385.4	555.6	723.3	932.0	1418.8
<b>Lung cancer</b>													
1995	10.0*	0.1*	14.6*	1.5	4.8	11.6	15.6	11.8	26.7	30.5	48.5	71.0	75.5
2000	11.7*	-	19.4*	1.6	8.3	15.4	10.6	17.4	33.6	48.9	44.6	68.0	92.6
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.7*	0.1*	5.3*	1.9	1.9	4.7	6.4	4.7	6.3	11.5	7.3	24.3	43.0
2000	2.8*	-	4.6*	1.0	3.4	3.8	5.9	8.0	7.4	2.5	6.5	12.5	19.7
<b>Other cancer</b>													
1995	136.6*	7.1*	206.1*	32.5	62.9	99.5	178.6	250.6	337.3	481.5	610.8	744.4	1127.6
2000	143.0*	6.1*	206.1*	30.0	58.9	112.5	163.0	229.7	344.5	504.2	672.2	851.5	1306.5
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	5.5*	0.4*	4.4*	1.5	1.4	0.6	1.4	6.3	14.9	4.9	15.6	46.7	114.6
2000	8.6*	-	5.9*	2.1	0.5	0.5	4.1	5.1	9.0	20.2	36.2	62.4	210.9
<b>Other respiratory disease</b>													
1995	48.5*	6.3*	28.2*	5.3	9.1	8.1	15.6	24.4	51.9	83.1	198.7	377.3	1079.4
2000	29.9*	2.9*	15.4*	2.1	2.4	4.8	9.5	16.0	31.1	42.2	86.4	207.5	804.2
<b>Vascular disease</b>													
1995	457.3*	2.6*	325.0*	15.0	28.6	62.3	152.4	278.9	586.5	1151.4	2163.9	3845.8	10197.9
2000	450.4*	2.7*	255.5*	9.8	29.7	46.2	109.3	221.7	449.3	922.4	1906.2	3857.1	11420.3
<b>Liver cirrhosis</b>													
1995	9.0*	0.4*	18.3*	5.8	7.1	15.7	22.7	25.1	29.1	22.2	22.9	18.3	16.9
2000	10.7*	0.3*	22.3*	5.7	11.7	16.8	23.0	29.8	41.7	27.0	25.1	20.4	21.2
<b>Other medical causes</b>													
1995	74.2*	26.9*	74.0*	15.0	18.6	30.3	55.3	69.1	128.1	201.6	290.3	395.5	793.0
2000	70.6*	25.9*	63.4*	11.4	13.6	26.4	44.9	61.0	114.6	172.0	287.8	435.4	813.4
<b>All non-medical causes</b>													
1995	33.9*	13.4*	31.4*	19.4	26.2	25.0	28.3	33.0	39.3	48.6	87.0	144.0	449.2
2000	22.5*	9.6*	28.5*	22.2	24.4	26.9	25.4	32.7	31.1	37.1	49.2	66.9	147.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## SLOVAKIA: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.4	– / 0.6	–
35–69	4.6 / 13	0.4 / 5.9	20 years
70+	2.6 / 14	0.5 / 18	8 years
All ages	7.2 / 28	0.8 / 25	16 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.1/1.2	0.6/0.7	1.8/1.9	–/0.0	0.1/0.2	0.1/0.2	0.2/0.4
All Cancer	–/0.1	2.1/3.9 (52%)	1.0/2.9 (35%)	3.1/7.0	–/0.1	0.1/2.3 (6%)	0.1/2.5 (4%)	0.2/4.9
Vascular	–/0.1	1.8/5.0	1.1/8.5	2.9/14	–/0.0	0.2/2.3	0.3/13	0.4/15
Respiratory	–/0.1	0.3/0.5	0.4/1.0	0.6/1.6	–/0.0	0.0/0.2	0.1/1.0	0.1/1.3
All Other	–/1.2	0.5/3.6	0.1/1.3	0.6/6.0	–/0.4	0.0/1.2	0.0/1.5	0.1/3.1
All Causes	–/1.4	4.6/13 (35%)	2.6/14 (19%)	7.2/28	–/0.6	0.4/5.9 (6%)	0.5/18 (3%)	0.8/25

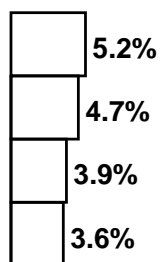
## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	3.1 / 7.0 (44%)	0.2 / 4.9 (5%)	3.3 / 12 (28%)
All Causes	7.2 / 28 (25%)	0.8 / 25 (3%)	8.0 / 53 (15%)



1985-2000: SLOVAKIA

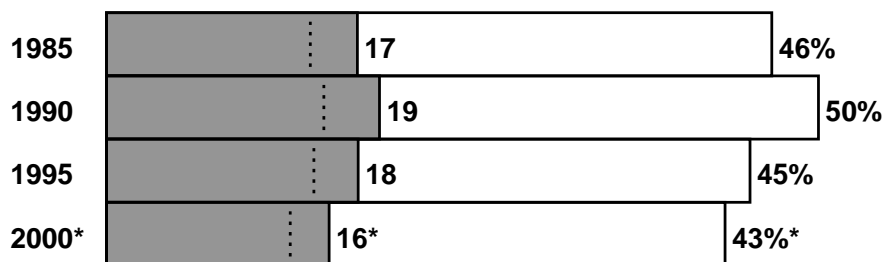
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

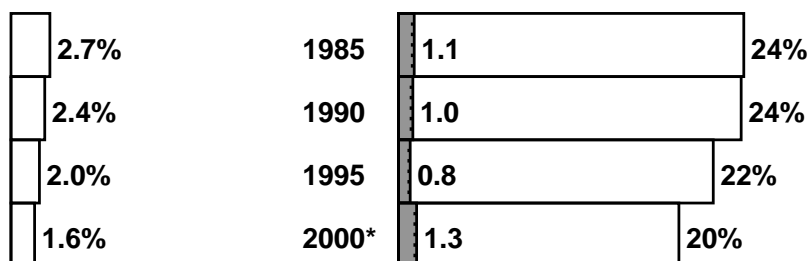
\*eg, at year 2000 male death rates, out of 100 men aged 35, 43 would die before age 70 (with 16 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## SLOVAKIA: 1980-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/2.4	4.8/12 <b>(39%)</b>	2.6/14 <b>(19%)</b>	7.5/29	-/1.2	0.3/6.1 <b>( 4%)</b>	0.4/17 <b>( 2%)</b>	0.7/24
1990	-/2.0	5.9/15 <b>(38%)</b>	1.9/13 <b>(15%)</b>	7.8/30	-/1.0	0.3/7.2 <b>( 4%)</b>	0.4/16 <b>( 2%)</b>	0.7/24
1995	-/1.6	5.1/13 <b>(39%)</b>	2.2/13 <b>(17%)</b>	7.4/28	-/0.8	0.2/6.6 <b>( 4%)</b>	0.5/17 <b>( 3%)</b>	0.7/25
2000	-/1.4	4.6/13 <b>(35%)</b>	2.6/14 <b>(19%)</b>	7.2/28	-/0.6	0.4/5.9 <b>( 6%)</b>	0.5/18 <b>( 3%)</b>	0.8/25

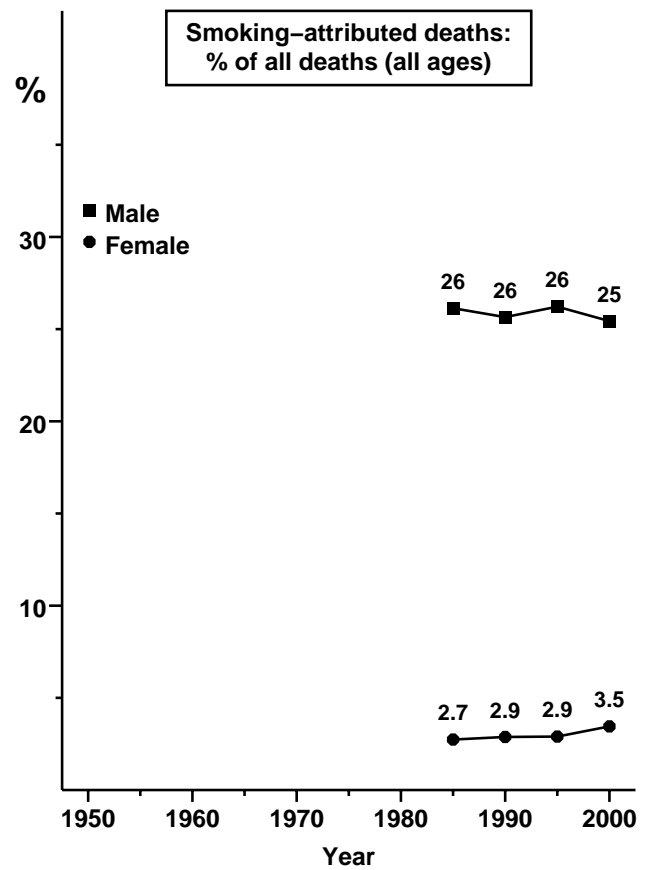
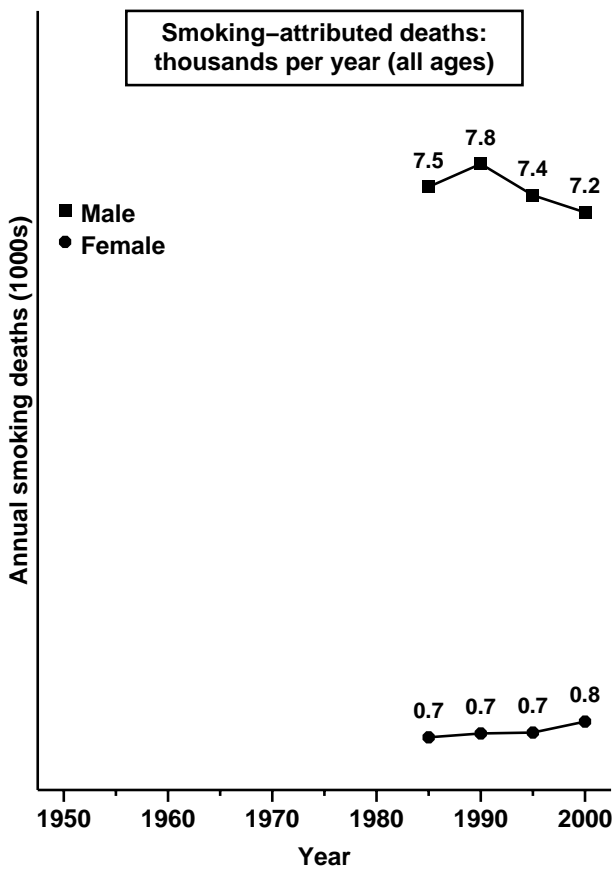
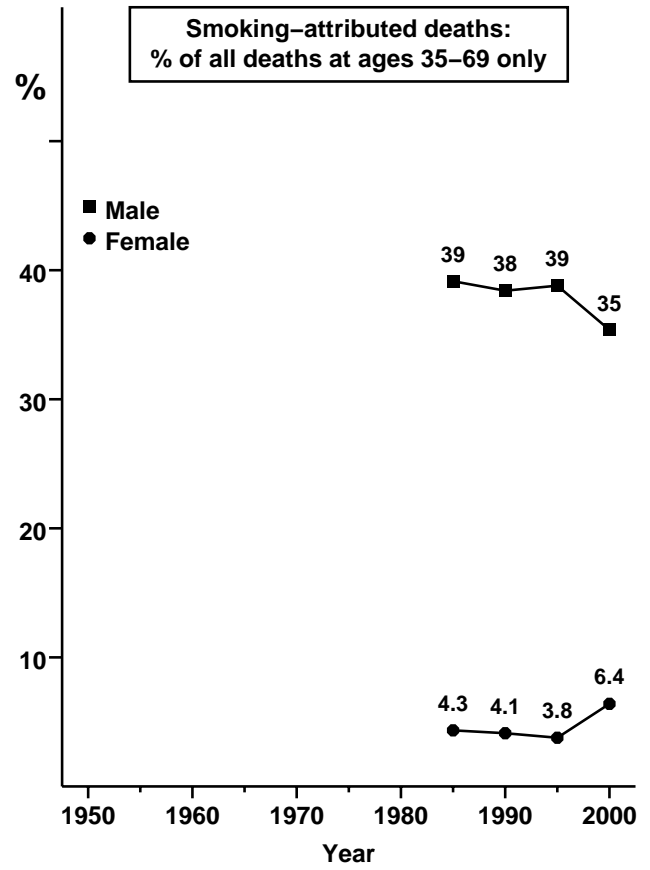
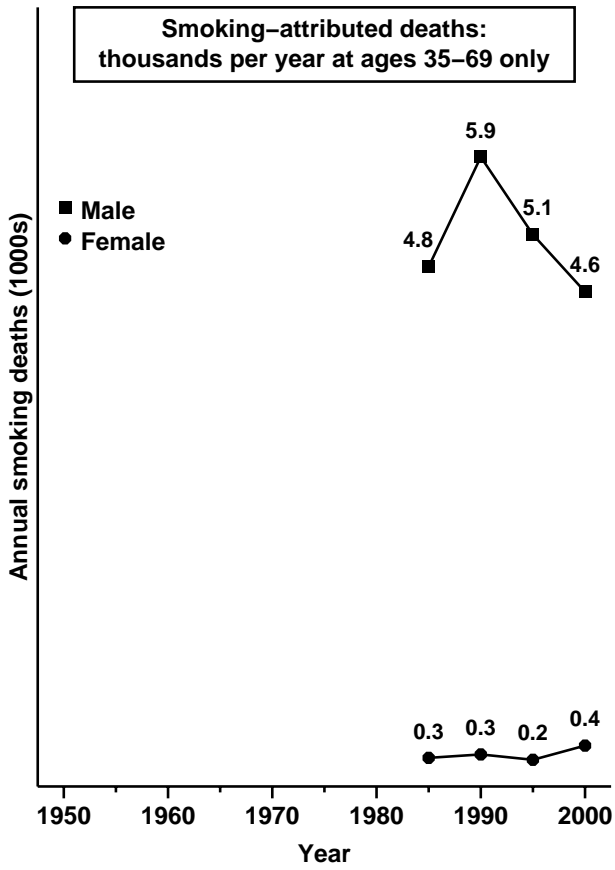
20-year total\* (thousands), mid-1980 to mid-2000: 162 / 1051

1980-2000 by age & sex:

-/39	100/256 <b>(39%)</b>	49/272 <b>(18%)</b>	149/567	-/19	5.1/127 <b>( 4%)</b>	8.5/338 <b>( 3%)</b>	14/484
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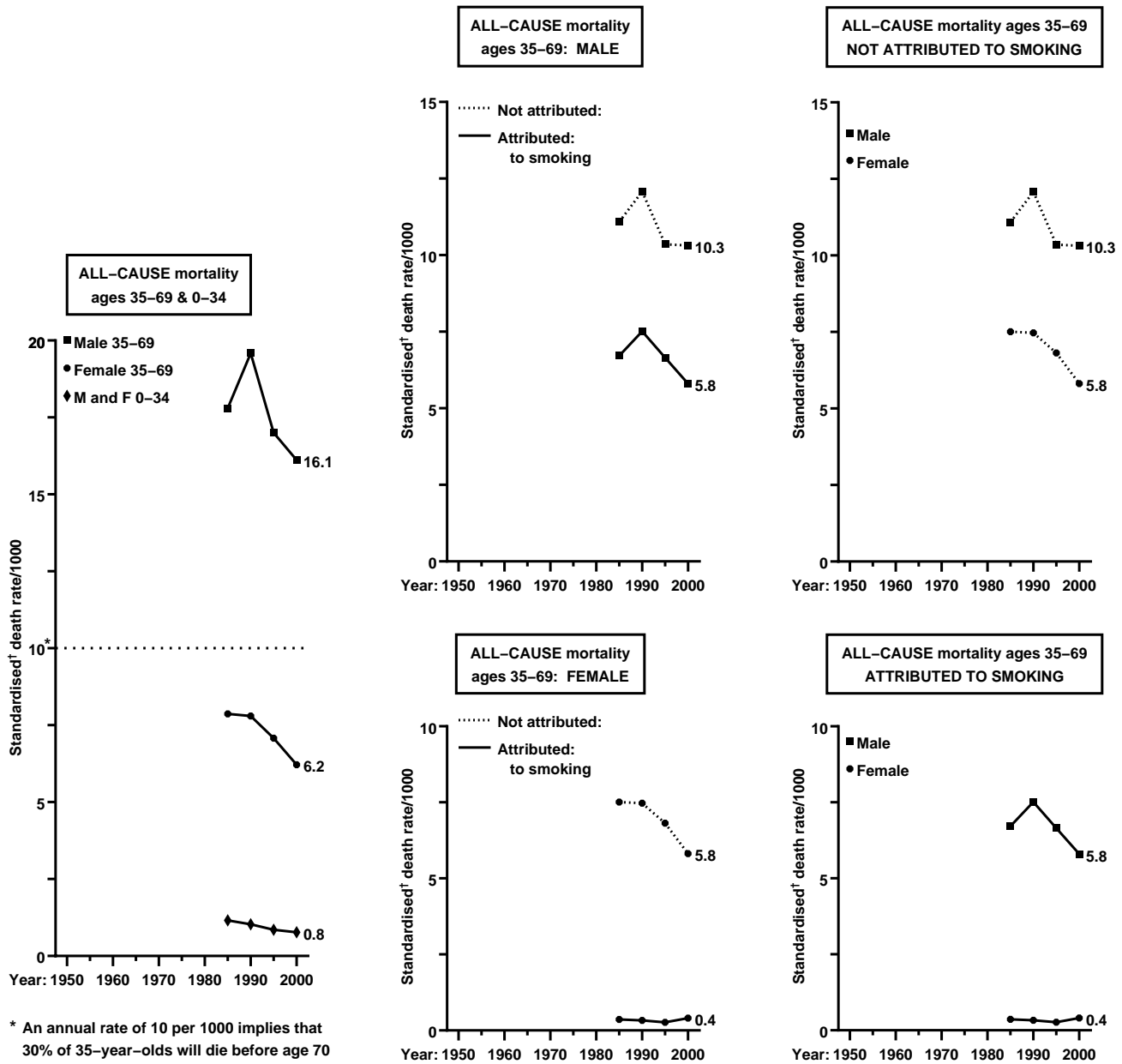
\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

1985-2000: SLOVAKIA



**SLOVAKIA: 1985-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

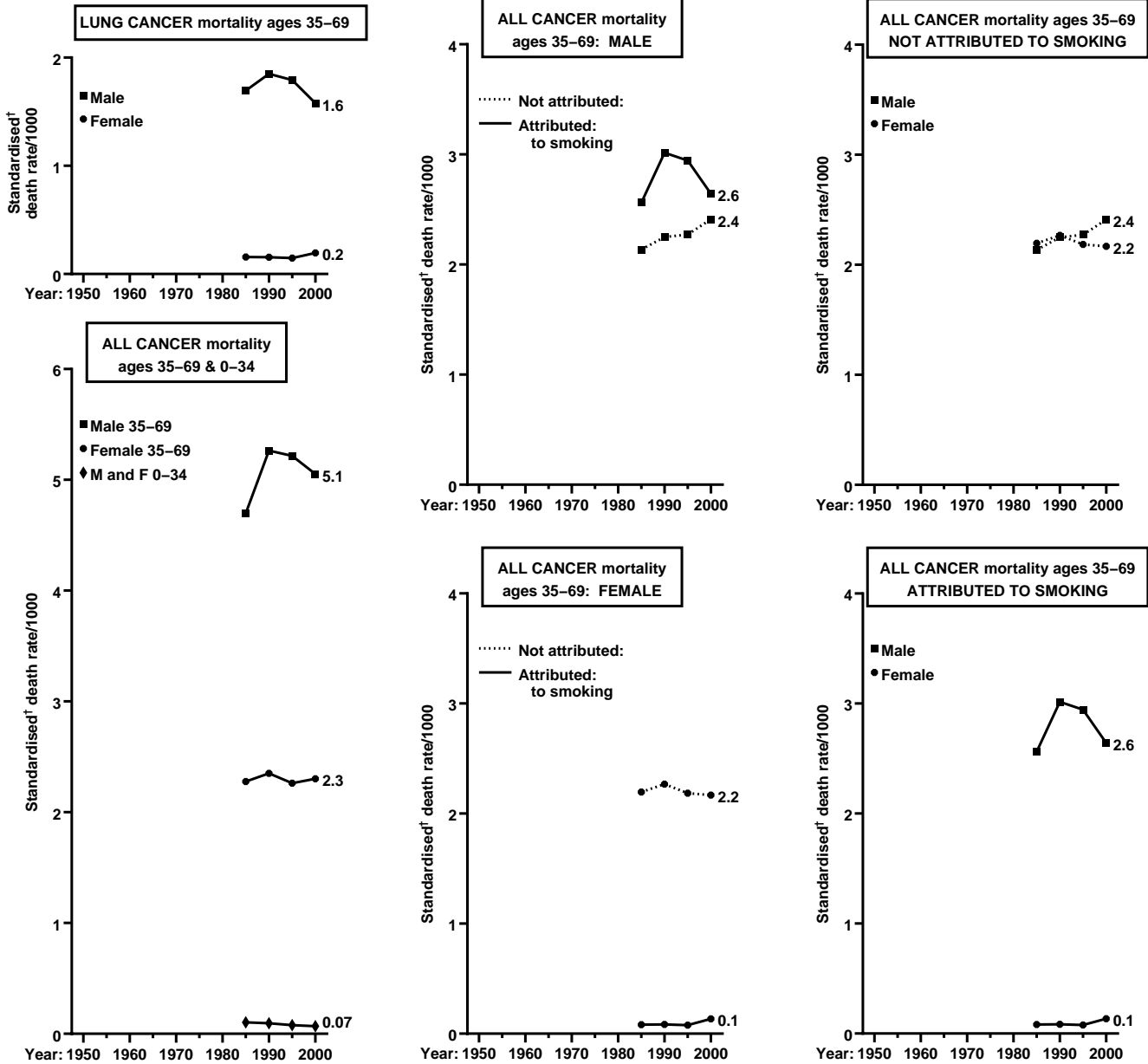
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	1.52	6.71	11.1	17.5	67.5	-	0.79	0.36	7.51	1.57	57.3				
1990	-	1.37	7.51	12.1	14.0	65.1	-	0.68	0.33	7.47	1.42	47.4				
1995	-	1.13	6.65	10.3	14.3	61.5	-	0.57	0.26	6.81	1.38	44.2				
2000	-	1.06	5.80	10.3	15.4	58.6	-	0.47	0.40	5.81	1.19	42.3				

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: SLOVAKIA

ALL CANCER mortality rates attributed and not attributed to smoking



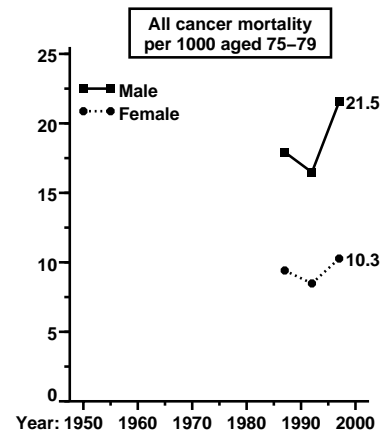
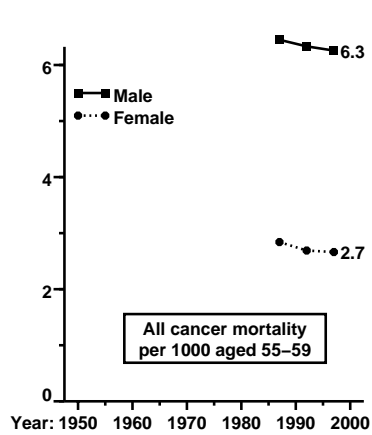
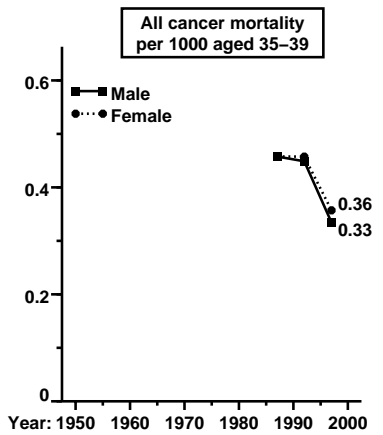
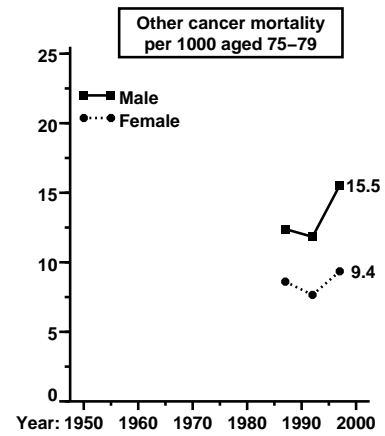
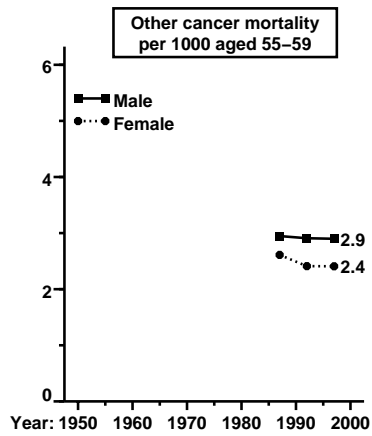
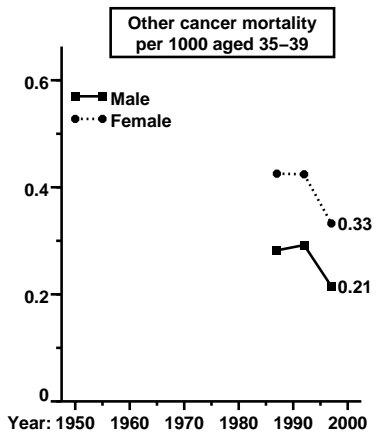
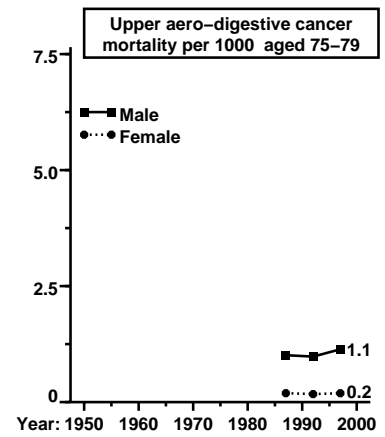
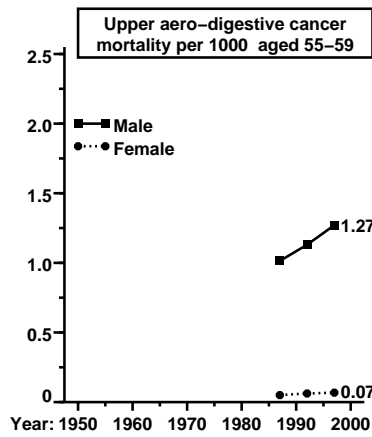
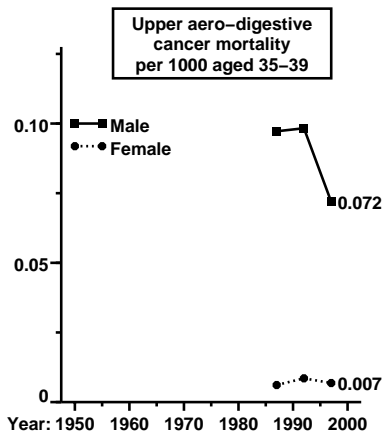
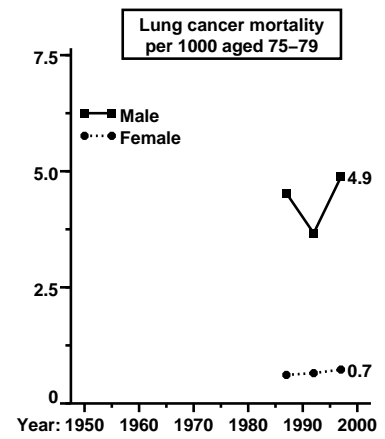
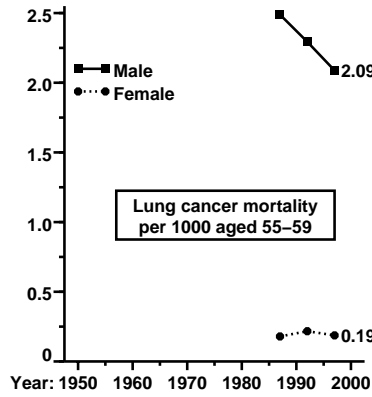
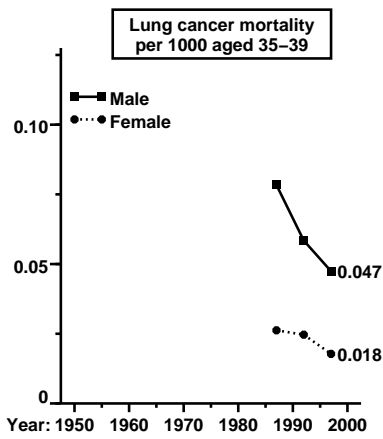
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	0.11	2.56	2.14	6.06	9.97	-	0.10	0.08	2.19	0.28	8.00	-	0.09	0.08	2.27
1990	-	0.10	3.01	2.25	5.79	10.3	-	0.07	0.08	2.18	0.37	7.16	-	0.09	0.08	2.27
1995	-	0.08	2.94	2.27	6.31	10.8	-	0.07	0.08	2.18	0.37	7.16	-	0.07	0.08	2.18
2000	-	0.07	2.64	2.41	6.75	11.8	-	0.06	0.13	2.17	0.32	7.96	-	0.06	0.13	2.17

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**SLOVAKIA: 1985-2000**

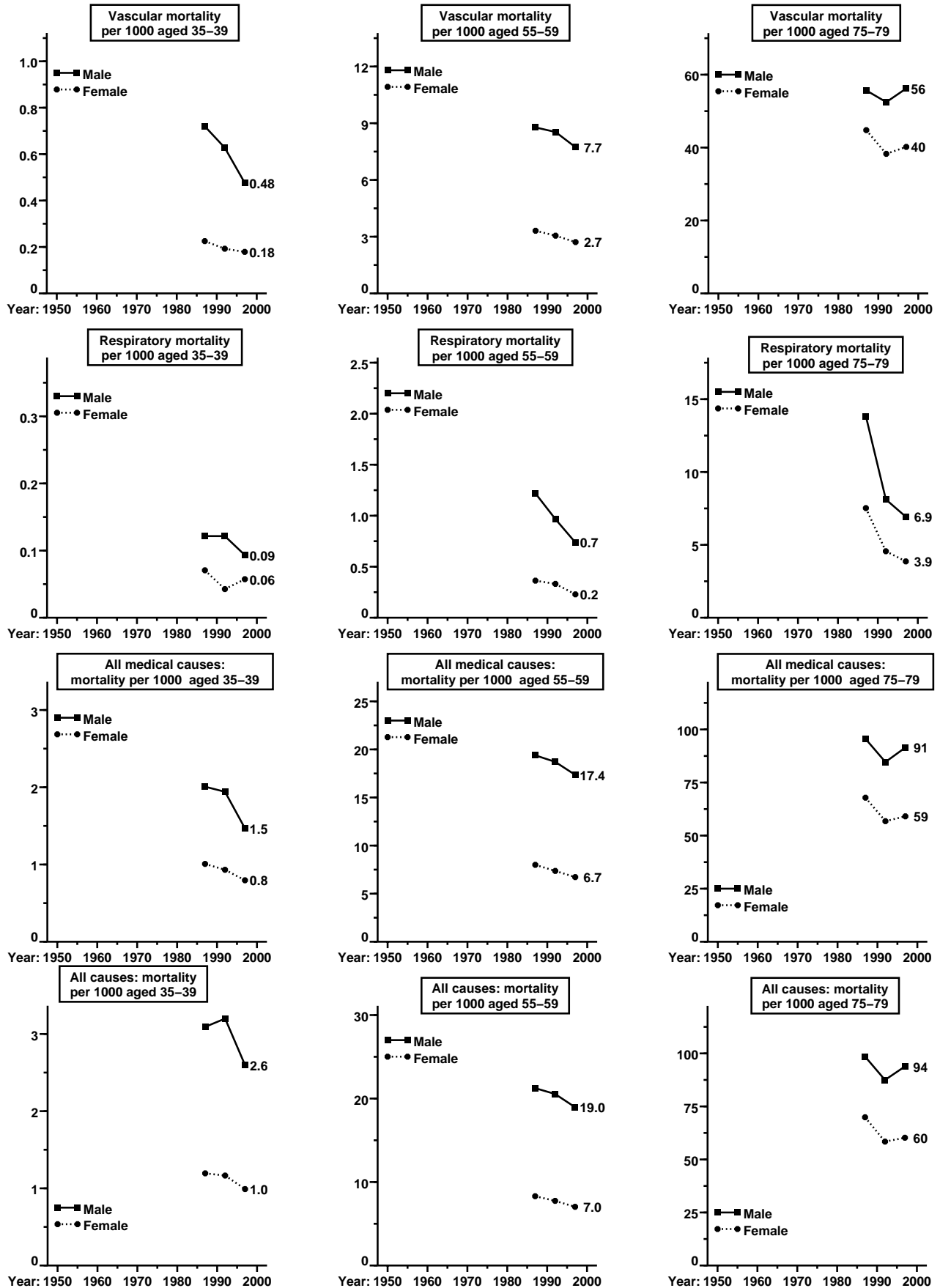
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 428-429

1985-2000: SLOVAKIA

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 428-429

## SLOVENIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	9557	399	4406	1090.0	84.9	1214.2	128.8	15.9	16.1	71.6	126.3	97.9	137.6
	F	9031	164	2052	605.9	39.7	503.7	96.6	18.8	8.4	35.8	30.3	39.5	48.3
Tuberculosis	M	9	-	8	0.9	-	1.9	-	-	-	-	-	-	-
	F	12	-	1	0.7	-	0.3	-	-	-	-	-	-	-
HIV	M	4	-	4	0.4	-	0.9	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	42	1	20	5.0	0.2	5.2	-	-	-	1.4	-	-	-
	F	34	-	5	2.2	-	1.3	-	-	-	-	-	-	-
ALL CANCER	M	2672	29	1380	293.1	5.9	389.3	2.2	4.0	1.6	1.4	11.6	4.0	16.3
	F	2080	21	875	150.9	4.5	212.9	-	4.2	1.7	1.5	2.8	7.1	14.2
Mouth and pharynx cancer	M	108	-	83	11.1	-	21.7	-	-	-	-	-	-	-
	F	19	-	12	1.5	-	2.7	-	-	-	-	-	-	-
Oesophagus cancer	M	63	1	41	6.4	0.2	10.4	-	-	-	-	-	-	1.4
	F	14	-	5	0.9	-	1.3	-	-	-	-	-	-	-
Stomach cancer	M	240	2	112	26.4	0.4	31.8	-	-	-	-	-	1.3	1.4
	F	165	2	62	11.8	0.4	15.4	-	-	-	-	-	1.4	1.4
Colorectal cancer	M	323	2	137	36.5	0.4	40.8	-	-	-	-	-	-	2.7
	F	277	2	93	19.1	0.4	23.3	-	-	-	-	-	-	2.8
Liver cancer	M	97	-	52	10.3	-	15.1	-	-	-	-	-	-	-
	F	45	-	16	3.1	-	3.9	-	-	-	-	-	-	-
Pancreas cancer	M	117	-	62	12.7	-	17.2	-	-	-	-	-	-	-
	F	117	-	44	8.4	-	11.2	-	-	-	-	-	-	-
Larynx cancer	M	69	-	47	7.3	-	13.4	-	-	-	-	-	-	-
	F	5	-	2	0.3	-	0.4	-	-	-	-	-	-	-
Lung cancer	M	733	1	448	77.3	0.2	126.8	-	-	-	-	-	-	1.4
	F	198	-	107	15.0	-	25.4	-	-	-	-	-	-	-
Malignant melanoma	M	40	5	23	4.3	1.0	6.0	-	-	-	-	1.3	1.3	4.1
	F	29	1	12	2.2	0.2	2.8	-	-	1.7	-	-	-	-
Female breast cancer	F	365	2	173	27.3	0.4	42.1	-	-	-	-	-	1.4	1.4
Cervix cancer	F	62	2	41	5.1	0.4	9.2	-	-	-	-	-	1.4	1.4
Other uterine cancer	F	87	-	30	5.9	-	7.4	-	-	-	-	-	-	-
Ovarian cancer	F	111	1	55	8.4	0.2	13.3	-	-	-	-	-	1.4	-
Prostate cancer	M	246	-	56	30.8	-	17.9	-	-	-	-	-	-	-
Bladder cancer	M	73	-	25	8.2	-	7.4	-	-	-	-	-	-	-
	F	27	-	8	1.7	-	2.1	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	401	12	218	43.4	2.6	60.4	2.2	4.0	-	1.4	5.2	1.3	4.1
	F	393	5	148	28.3	1.2	35.7	-	4.2	-	-	1.4	-	2.8
Hodgkin's disease	M	2	-	-	0.3	-	-	-	-	-	-	-	-	-
	F	8	1	4	0.7	0.2	1.0	-	-	-	-	-	-	1.4
Myeloma and non- Hodgkin lymphomas	M	90	1	46	10.1	0.2	12.4	-	-	1.6	-	-	-	-
	F	92	1	40	6.4	0.2	10.1	-	-	-	-	1.4	-	-
Leukaemia	M	70	5	30	8.0	0.9	8.0	-	-	-	-	5.2	-	1.4
	F	66	4	23	4.8	0.8	5.6	-	-	-	1.5	-	1.4	2.8
Diabetes	M	173	1	63	20.3	0.2	17.9	-	-	-	-	-	1.3	-
	F	318	-	50	19.5	-	12.8	-	-	-	-	-	-	-
ALL VASCULAR DISEASE	M	3395	15	1281	404.4	3.0	368.3	-	2.0	-	2.9	5.2	4.0	6.8
	F	4109	7	488	256.2	1.4	123.5	-	-	-	-	4.1	1.4	4.3
Rheumatic heart disease and fever	M	29	-	18	3.2	-	5.1	-	-	-	-	-	-	-
	F	52	-	8	3.2	-	2.0	-	-	-	-	-	-	-
Hypertensive disease	M	148	1	62	17.4	0.2	18.1	-	-	-	-	1.3	-	-
	F	290	-	31	17.9	-	8.1	-	-	-	-	-	-	-
Ischaemic heart disease	M	1256	2	538	147.0	0.4	155.4	-	-	-	-	-	-	2.7
	F	1241	1	142	76.9	0.2	36.4	-	-	-	-	-	-	1.4
Pulmonary embolism and other venous	M	39	-	17	4.6	-	4.8	-	-	-	-	-	-	-
	F	59	-	13	3.8	-	3.0	-	-	-	-	-	-	-
Cerebrovascular disease	M	911	6	306	107.4	1.2	88.5	-	2.0	-	1.4	2.6	1.3	1.4
	F	1128	4	144	70.7	0.8	36.0	-	-	-	-	2.8	1.4	1.4
Other vascular disease	M	1012	6	340	124.8	1.2	96.4	-	-	-	1.4	1.3	2.7	2.7
	F	1339	2	150	83.7	0.4	38.0	-	-	-	-	1.4	-	1.4
Chronic obstructive pulmonary disease	M	425	2	121	51.3	0.4	37.2	-	-	-	1.4	1.3	-	-
	F	209	1	29	13.0	0.2	7.4	-	-	-	-	-	1.4	-
Other respiratory disease	M	340	-	88	43.5	-	25.5	-	-	-	-	-	-	-
	F	496	7	32	30.9	1.7	8.0	2.3	2.1	-	3.0	1.4	2.8	-
Peptic ulcer	M	54	-	21	6.5	-	6.5	-	-	-	-	-	-	-
	F	74	1	8	4.7	0.2	2.1	-	-	-	-	-	-	1.4
Liver cirrhosis	M	473	9	382	48.8	1.7	100.3	-	-	-	1.4	2.6	1.3	6.8
	F	229	2	179	19.5	0.4	43.6	-	-	-	-	-	1.4	1.4
Renal disease	M	51	-	15	6.3	-	4.5	-	-	-	-	-	-	-
	F	93	-	14	5.8	-	3.5	-	-	-	-	-	-	-
Pregnancy, birth Congenital and perinatal causes	F	2	2	-	0.2	0.4	-	-	-	-	-	-	1.4	1.4
	M	55	50	5	8.9	15.2	1.0	100.4	2.0	-	-	2.6	1.3	-
	F	39	36	2	6.8	11.7	0.5	80.5	-	1.7	-	-	-	-
Ill-defined causes	M	318	27	168	37.4	5.7	44.2	8.7	-	1.6	4.3	3.9	8.0	13.6
	F	329	11	66	22.7	2.7	15.8	9.2	-	-	1.5	1.4	5.6	1.4
Other medical causes	M	498	30	252	56.1	6.5	68.4	8.7	4.0	3.2	4.3	6.4	10.7	8.2
	F	512	13	117	34.4	2.9	28.7	-	6.3	1.7	-	4.1	2.8	5.7
ALL NON- MEDICAL CAUSES	M	1048	235	598	107.1	46.1	143.0	8.7	4.0	9.7	54.4	92.8	67.0	85.8
	F	495	63	186	38.5	13.5	43.4	4.6	6.3	3.4	29.8	16.5	15.5	18.5
Road traffic accidents	M	215	92	102	21.0	18.0	23.3	-	2.0	3.2	34.4	37.4	20.1	28.6
	F	72	25	30	6.5	5.4	7.0	2.3	2.1	1.7	14.9	6.9	4.2	5.7
Fire	M	6	-	4	0.6	-	0.7	-	-	-	-	-	-	-
	F	2	-	2	0.2	-	0.4	-	-	-	-	-	-	-
Suicide	M	433	87	275	43.4	16.7	63.6	-	-	1.6	12.9	30.9	36.2	35.4
	F	155	24	100	13.6	4.9	23.2	-	-	-	11.9	6.9	8.5	7.1
Homicide	M	14	2	12	1.3	0.4	2.9	-	-	-	-	2.6	-	-
	F	8	3	4	0.8	0.7	0.9	-	2.1	-	-	1.4	-	1.4
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		959.3	453.6	443.2	45.8	50.4	62.0	69.8	77.6	74.6	73.4
			<b>F=female</b>		1007.9	431.6	454.9	43.5	47.9	59.2	67.1	72.6	70.9	70.4



## 2000: SLOVENIA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
210.7	330.8	559.7	775.0	1436.6	1973.2	3213.4	4681.1	7128.5	15967.5	M	ALL CAUSES	001-999/A00-Y89
85.0	134.9	264.1	372.5	536.7	810.9	1321.6	2247.0	4036.1	12591.5	F		
1.3	1.3	2.5	-	-	6.2	2.4	3.1	-	-	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	-	-	-	-	1.8	-	12.0	2.6	12.2	F		
1.3	1.3	-	1.5	2.0	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
1.3	1.3	4.9	3.0	8.0	8.2	9.6	12.4	22.3	105.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	-	1.3	-	1.9	1.8	3.7	10.0	15.5	54.9	F		
20.8	65.4	167.3	265.3	420.5	666.0	1119.9	1616.1	2016.8	3089.4	M	ALL CANCER	140-208/C00-C97
26.6	73.9	122.2	193.9	245.2	310.9	517.6	678.7	925.3	1484.8	F		
1.3	2.6	17.2	26.8	22.1	41.2	40.8	43.3	44.7	24.4	M	Mouth and pharynx cancer	140-149/C00-C14
-	1.3	3.9	6.1	1.9	-	5.5	6.0	5.2	6.1	F		
-	3.8	9.8	11.9	14.1	16.5	16.8	34.1	50.3	8.1	M	Oesophagus cancer	150/C15
-	-	-	-	-	3.6	5.5	4.0	12.9	6.1	F		
1.3	6.4	8.6	22.4	46.3	53.6	83.9	182.7	184.4	276.4	M	Stomach cancer	151/C16
1.3	3.9	3.9	15.3	19.3	20.0	44.4	64.3	46.4	155.5	F		
2.6	1.3	4.9	23.8	46.3	72.2	134.3	213.6	312.8	479.7	M	Colorectal cancer	153, 154/C18-C21
2.7	3.9	5.3	21.4	21.2	38.2	70.2	84.3	136.6	265.2	F		
1.3	1.3	3.7	8.9	20.1	22.7	48.0	71.2	78.2	65.0	M	Liver cancer	155.0, 155.1/C22
1.3	-	2.6	3.1	5.8	1.8	12.9	12.0	30.9	33.5	F		
-	2.6	9.8	11.9	24.1	28.9	43.2	80.5	78.2	122.0	M	Pancreas cancer	157/C25
1.3	1.3	1.3	9.2	17.4	20.0	27.7	56.2	38.7	91.5	F		
-	2.6	6.2	7.5	8.0	30.9	38.4	37.2	16.8	56.9	M	Larynx cancer	161/C32
-	1.3	-	-	-	-	1.8	-	2.6	6.1	F		
5.2	20.5	56.6	83.5	140.8	202.1	378.9	439.6	480.4	455.3	M	Lung cancer	162/C33, C34
1.3	10.4	23.7	27.5	17.4	36.4	61.0	82.3	67.0	73.2	F		
1.3	3.8	3.7	1.5	14.1	8.2	9.6	18.6	11.2	32.5	M	Malignant melanoma	172/C43
1.3	1.3	1.3	4.6	1.9	7.3	1.8	10.0	12.9	18.3	F		
2.7	13.0	31.5	35.1	59.8	70.9	81.3	102.4	154.6	240.9	F	Female breast cancer	174/C50
2.7	14.3	6.6	7.6	9.7	10.9	12.9	8.0	15.5	27.4	F	Cervix cancer	180/C53
-	1.3	6.6	1.5	7.7	9.1	25.9	26.1	46.4	79.3	F	Other uterine cancer	179, 182/C54, C55
2.7	3.9	7.9	15.3	17.4	18.2	27.7	36.1	49.0	54.9	F	Ovarian cancer	183.0/C56
-	-	-	3.0	10.1	30.9	81.5	148.6	257.0	780.5	M	Prostate cancer	185/C61
-	-	2.5	4.5	6.0	10.3	28.8	55.7	89.4	113.8	M	Bladder cancer	188/C67
-	-	-	-	-	1.8	12.9	10.0	15.5	24.4	F		
5.2	14.1	29.5	46.2	42.3	117.5	167.9	232.2	251.4	414.6	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
9.3	10.4	23.7	33.6	52.1	54.5	66.5	132.5	206.2	286.6	F		
-	-	-	-	-	-	-	3.1	-	8.1	M	Hodgkin's disease	201/C81
-	-	-	3.1	1.9	-	1.8	2.0	2.6	3.0	F		
-	3.8	8.6	8.9	18.1	20.6	26.4	37.2	89.4	122.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
-	5.2	1.3	4.6	7.7	10.9	40.7	20.1	61.9	51.8	F		
2.6	2.6	6.2	4.5	8.0	10.3	21.6	18.6	72.6	130.1	M	Leukaemia	204-208/C91-C95
-	2.6	2.6	6.1	3.9	7.3	16.6	22.1	20.6	61.0	F		
-	-	7.4	11.9	24.1	41.2	40.8	105.3	184.4	341.5	M	Diabetes	250/E10-E14
1.3	1.3	1.3	4.6	1.9	29.1	49.9	74.3	255.2	402.4	F		
28.6	66.7	118.1	195.2	414.5	618.6	1136.7	1761.6	3139.7	7869.9	M	ALL VASCULAR DISEASE	390-459/I00-I99
9.3	18.2	46.0	42.7	121.6	212.7	414.0	953.8	1940.7	7274.4	F		
1.3	-	3.7	3.0	-	8.2	19.2	6.2	16.8	48.8	M	Rheumatic heart disease and fever	390-398/I00-I09
-	1.3	-	-	1.9	10.9	-	12.0	51.5	54.9	F		
2.6	2.6	4.9	8.9	16.1	26.8	64.7	55.7	167.6	300.8	M	Hypertensive disease	401-405/I10-I15
-	1.3	-	-	5.8	23.6	25.9	66.3	149.5	512.2	F		
10.4	25.6	45.5	71.5	193.2	290.7	450.8	662.5	1050.3	2552.8	M	Ischaemic heart disease	410-414/I20-I25
1.3	3.9	7.9	15.3	36.7	56.4	133.1	327.3	644.3	2088.4	F		
-	1.3	-	6.0	6.0	6.2	14.4	24.8	22.3	81.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.3	-	3.9	3.1	1.9	3.6	7.4	12.0	51.5	61.0	F		
6.5	11.5	28.3	50.7	98.6	134.0	290.2	538.7	1039.1	1943.1	M	Cerebrovascular disease	430-438/I60-I69
5.3	3.9	19.7	15.3	34.7	54.5	118.3	275.1	541.2	1929.9	F		
7.8	25.6	35.7	55.1	100.6	152.6	297.4	473.7	843.6	2943.1	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
1.3	7.8	14.5	9.2	40.5	63.6	129.4	261.0	502.6	2628.0	F		
1.3	-	6.2	6.0	30.2	80.4	136.7	269.3	458.1	1081.3	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.3	-	1.3	3.1	3.9	10.9	31.4	78.3	116.0	289.6	F		
2.6	6.4	7.4	8.9	40.2	28.9	83.9	151.7	335.2	1162.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.7	1.3	2.6	3.1	11.6	10.9	24.0	98.4	188.1	1021.3	F		
-	-	-	-	12.1	14.4	19.2	24.8	55.9	122.0	M	Peptic ulcer	531-533/K25-K27
-	-	1.3	-	3.9	3.6	5.5	28.1	28.4	122.0	F		
27.3	33.3	55.4	82.0	177.1	156.7	170.3	142.4	145.3	81.3	M	Liver cirrhosis	571/K70, K74
13.3	7.8	19.7	47.3	52.1	67.3	98.0	48.2	43.8	21.3	F		
-	1.3	-	1.5	6.0	8.2	14.4	34.1	33.5	154.5	M	Renal disease	580-590/N00-N19
2.7	-	-	1.5	-	12.7	7.4	28.1	54.1	134.1	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
16.9	12.8	24.6	28.3	82.5	70.1	74.3	77.4	111.7	634.1	M	Ill-defined causes	780-799/R00-R99
2.7	6.5	9.2	19.8	17.4	25.5	29.6	34.1	79.9	622.0	F		
11.7	28.2	33.2	43.2	78.5	111.3	172.7	204.3	329.6	739.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
5.3	5.2	19.7	18.3	30.9	47.3	73.9	126.5	247.4	679.9	F		
97.5	111.5	130.4	125.2	140.8	162.9	232.6	278.6	296.1	585.4	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
19.9	20.8	39.4	38.2	46.3	72.7	66.5	76.3	139.2	469.5	F		
20.8	12.8	33.2	20.9	20.1	28.9	26.4	34.1	33.5	32.5	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
5.3	1.3	3.9	10.7	3.9	18.2	5.5	10.0	12.9	21.3	F		
-	2.6	2.5	-	-	-	-	3.1	-	8.1	M	Fire	E890-E899/X00-X09
-	1.3	-	-	-	1.8	-	-	-	-	F		
49.4	61.5	57.8	70.0	66.4	53.6	86.3	108.4	83.8	170.7	M	Suicide	E950-E959/X60-X84
12.0	11.7	22.3	19.8	27.0	34.5	35.1	24.1	23.2	30.5	F		
5.2	2.6	1.2	-	2.0	2.1	7.2	-	-	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.3	-	1.3	-	-	3.6	-	2.0	-	-	F		
76.9	78.0	81.3	67.1	49.7	48.5	41.7	32.3	17.9	12.3	M	POPULATION	
75.3	77.1	76.1	65.5	51.8	55.0	54.1	49.8	38.8	32.8	F	(1000s; UN, 2004 revision)	

<b>SLOVENIA: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	506	40	2	2	36	2	12	16	4	123	309
35-69	Sm.	1731	872	534	170	168	113	37	498	-	211	-
	Total	4711 (37%)	1562 (56%)	562 (95%)	232 (73%)	768 (22%)	134 (84%)	97 (38%)	1340 (37%)	378	541 (39%)	659
70+	Sm.	874	305	200	24	81	241	27	243	-	58	-
	Total	4413 (20%)	923 (33%)	220 (91%)	40 (60%)	663 (12%)	337 (72%)	255 (11%)	2133 (11%)	69	495 (12%)	201
Any age	Sm.	2605	1177	734	194	249	354	64	741	-	269	-
	Total	9630 (27%)	2525 (47%)	784 (94%)	274 (71%)	1467 (17%)	473 (75%)	364 (18%)	3489 (21%)	451	1159 (23%)	1169
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	399	29	1	1	27	2	0	15	9	109	235
35-69	Sm.	1354	661	417	115	129	96	28	390	-	179	-
	Total	4406 (31%)	1380 (48%)	448 (93%)	171 (67%)	761 (17%)	121 (79%)	88 (32%)	1281 (30%)	382	556 (32%)	598
70+	Sm.	983	414	258	41	115	219	28	256	-	66	-
	Total	4752 (21%)	1263 (33%)	284 (91%)	68 (60%)	911 (13%)	302 (73%)	252 (11%)	2099 (12%)	82	539 (12%)	215
Any age	Sm.	2337	1075	675	156	244	315	56	646	-	245	-
	Total	9557 (24%)	2672 (40%)	733 (92%)	240 (65%)	1699 (14%)	425 (74%)	340 (16%)	3395 (19%)	473	1204 (20%)	1048

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	956.6	484.2	421.9	78.0	82.3	69.2	52.5	52.8	47.6	39.5	24.6	11.3	14.6
2000	959.3	453.6	443.2	76.9	78.0	81.3	67.1	49.7	48.5	41.7	32.3	17.9	12.3
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	9630	506	4711	172	329	391	534	790	1164	1331	1223	823	2367
2000	9557	399	4406	162	258	455	520	714	957	1340	1512	1276	1964
<b>Lung cancer</b>													
1995	784	2	562	6	12	25	55	125	166	173	109	51	60
2000	733	1	448	4	16	46	56	70	98	158	142	86	56
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1172.4*	103.8*	1359.1*	220.5	399.8	565.0	1017.1	1496.2	2445.4	3369.6	4971.5	7283.2	16212.3
2000	1090.0*	84.9*	1214.2*	210.7	330.8	559.7	775.0	1436.6	1973.2	3213.4	4681.1	7128.5	15967.5
<b>All cancer</b>													
1995	300.8*	8.2*	461.0*	30.8	89.9	141.6	335.2	594.7	890.8	1144.3	1459.3	1734.5	2520.5
2000	293.1*	5.9*	389.3*	20.8	65.4	167.3	265.3	420.5	666.0	1119.9	1616.1	2016.8	3089.4
<b>Lung cancer</b>													
1995	91.3*	0.4*	169.5*	7.7	14.6	36.1	104.8	236.7	348.7	438.0	443.1	451.3	411.0
2000	77.3*	0.2*	126.8*	5.2	20.5	56.6	83.5	140.8	202.1	378.9	439.6	480.4	455.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	30.8*	0.4*	65.8*	5.1	17.0	31.8	72.4	100.4	105.0	129.1	81.3	44.2	102.7
2000	24.8*	0.2*	45.5*	1.3	9.0	33.2	46.2	44.3	88.7	95.9	114.6	111.7	89.4
<b>Other cancer</b>													
1995	178.6*	7.4*	225.7*	17.9	58.3	73.7	158.1	257.6	437.0	577.2	935.0	1238.9	2006.8
2000	191.1*	5.5*	217.0*	14.3	35.9	77.5	135.6	235.4	375.3	645.1	1061.9	1424.6	2544.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	61.4*	0.4*	43.7*	-	3.6	4.3	15.2	24.6	63.0	194.9	337.4	495.6	1356.2
2000	51.3*	0.4*	37.2*	1.3	-	6.2	6.0	30.2	80.4	136.7	269.3	458.1	1081.3
<b>Other respiratory disease</b>													
1995	47.8*	2.8*	28.9*	3.8	7.3	8.7	19.0	26.5	48.3	88.6	178.9	380.5	1150.7
2000	43.5*	-	25.5*	2.6	6.4	7.4	8.9	40.2	28.9	83.9	151.7	335.2	1162.6
<b>Vascular disease</b>													
1995	444.0*	3.0*	405.4*	23.1	62.0	121.4	234.3	401.5	785.7	1210.1	2044.7	3371.7	8554.8
2000	404.4*	3.0*	368.3*	28.6	66.7	118.1	195.2	414.5	618.6	1136.7	1761.6	3139.7	7869.9
<b>Liver cirrhosis</b>													
1995	50.8*	0.8*	102.9*	15.4	46.2	62.1	139.0	119.3	189.1	149.4	138.2	106.2	157.5
2000	48.8*	1.7*	100.3*	27.3	33.3	55.4	82.0	177.1	156.7	170.3	142.4	145.3	81.3
<b>Other medical causes</b>													
1995	142.1*	28.8*	153.6*	32.1	55.9	82.4	106.7	157.2	258.4	382.3	548.8	902.7	1767.1
2000	141.8*	27.8*	150.5*	32.5	47.4	75.0	92.4	213.3	259.8	333.3	461.3	737.4	2097.6
<b>All non-medical causes</b>													
1995	125.6*	59.8*	163.5*	115.4	134.9	144.5	167.6	172.3	210.1	200.0	264.2	292.0	705.5
2000	107.1*	46.1*	143.0*	97.5	111.5	130.4	125.2	140.8	162.9	232.6	278.6	296.1	585.4

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: SLOVENIA

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	209	30	1	0	29	0	2	5	6	79	87
35-69	Sm.	214	86	67	5	14	20	3	73	-	32	-
	Total	2357	976	105	15	856	41	33	632	193	285	197
		(9%)	(9%)	(64%)	(33%)	(2%)	(49%)	(9%)	(12%)		(11%)	
70+	Sm.	204	40	30	4	6	61	8	76	-	19	-
	Total	6772	1042	65	17	960	186	375	3921	42	932	274
		(3%)	(4%)	(46%)	(24%)	(1%)	(33%)	(2%)	(2%)		(2%)	
Any age	Sm.	418	126	97	9	20	81	11	149	-	51	-
	Total	9338	2048	171	32	1845	227	410	4558	241	1296	558
		(4%)	(6%)	(57%)	(28%)	(1%)	(36%)	(3%)	(3%)		(4%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	164	21	0	0	21	1	7	7	2	63	63
35-69	Sm.	187	86	69	6	11	15	3	54	-	29	-
	Total	2052	875	107	19	749	29	32	488	179	263	186
		(9%)	(10%)	(64%)	(32%)	(1%)	(52%)	(9%)	(11%)		(11%)	
70+	Sm.	268	66	50	5	11	69	11	93	-	29	-
	Total	6815	1184	91	19	1074	179	457	3614	48	1087	246
		(4%)	(6%)	(55%)	(26%)	(1%)	(39%)	(2%)	(3%)		(3%)	
Any age	Sm.	455	152	119	11	22	84	14	147	-	58	-
	Total	9031	2080	198	38	1844	209	496	4109	229	1413	495
		(5%)	(7%)	(60%)	(29%)	(1%)	(40%)	(3%)	(4%)		(4%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	1007.6	463.2	442.0	77.4	76.6	66.3	52.9	57.0	57.2	54.6	46.4	23.2	32.8
2000	1007.9	431.6	454.9	75.3	77.1	76.1	65.5	51.8	55.0	54.1	49.8	38.8	32.8
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	9338	209	2357	77	129	180	243	304	564	860	1219	977	4576
2000	9031	164	2052	64	104	201	244	278	446	715	1119	1566	4130
<b>Lung cancer</b>													
1995	171	1	105	2	5	8	13	12	33	32	24	15	26
2000	198	-	107	1	8	18	18	9	20	33	41	26	24
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	680.5*	47.2*	584.7*	99.5	168.4	271.5	459.4	533.3	986.0	1575.1	2627.2	4211.2	13951.2
2000	605.9*	39.7*	503.7*	85.0	134.9	264.1	372.5	536.7	810.9	1321.6	2247.0	4036.1	12591.5
<b>All cancer</b>													
1995	164.7*	6.3*	242.3*	42.6	56.1	129.7	249.5	256.1	417.8	544.0	719.8	918.1	1509.1
2000	150.9*	4.5*	212.9*	26.6	73.9	122.2	193.9	245.2	310.9	517.6	678.7	925.3	1484.8
<b>Lung cancer</b>													
1995	14.2*	0.2*	26.2*	2.6	6.5	12.1	24.6	21.1	57.7	58.6	51.7	64.7	79.3
2000	15.0*	-	25.4*	1.3	10.4	23.7	27.5	17.4	36.4	61.0	82.3	67.0	73.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.4*	-	3.8*	-	1.3	-	1.9	-	12.2	11.0	17.2	12.9	18.3
2000	2.8*	-	4.4*	-	2.6	3.9	6.1	1.9	3.6	12.9	10.0	20.6	18.3
<b>Other cancer</b>													
1995	148.1*	6.1*	212.3*	40.1	48.3	117.6	223.1	235.1	347.9	474.4	650.9	840.5	1411.6
2000	133.1*	4.5*	183.1*	25.2	61.0	94.6	160.3	225.9	270.9	443.6	586.3	837.6	1393.3
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	15.6*	-	10.5*	1.3	1.3	-	7.6	7.0	15.7	40.3	77.6	107.8	381.1
2000	13.0*	0.2*	7.4*	1.3	-	1.3	3.1	3.9	10.9	31.4	78.3	116.0	289.6
<b>Other respiratory disease</b>													
1995	27.0*	0.5*	8.2*	-	3.9	3.0	-	1.8	19.2	29.3	88.4	163.8	902.4
2000	30.9*	1.7*	8.0*	2.7	1.3	2.6	3.1	11.6	10.9	24.0	98.4	188.1	1021.3
<b>Vascular disease</b>													
1995	308.3*	1.1*	160.5*	7.8	20.9	34.7	77.5	91.2	286.7	604.4	1247.8	2172.4	8652.4
2000	256.2*	1.4*	123.5*	9.3	18.2	46.0	42.7	121.6	212.7	414.0	953.8	1940.7	7274.4
<b>Liver cirrhosis</b>													
1995	22.0*	1.2*	47.1*	7.8	19.6	31.7	45.4	73.7	78.7	73.3	47.4	30.2	39.6
2000	19.5*	0.4*	43.6*	13.3	7.8	19.7	47.3	52.1	67.3	98.0	48.2	43.8	21.3
<b>Other medical causes</b>													
1995	97.9*	20.3*	70.0*	14.2	32.6	33.2	49.1	56.1	103.1	201.5	362.1	676.7	1850.6
2000	97.0*	18.0*	64.8*	12.0	13.0	32.9	44.3	56.0	125.5	170.1	313.3	683.0	2030.5
<b>All non-medical causes</b>													
1995	44.9*	17.8*	46.2*	25.8	33.9	39.2	30.2	47.4	64.7	82.4	84.1	142.2	615.9
2000	38.5*	13.5*	43.4*	19.9	20.8	39.4	38.2	46.3	72.7	66.5	76.3	139.2	469.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## SLOVENIA: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.4	– / 0.2	–
35–69	1.4 / 4.4	0.2 / 2.1	21 years
70+	1.0 / 4.8	0.3 / 6.8	9 years
All ages	2.3 / 9.6	0.5 / 9.0	16 years

## Deaths, by cause, attributed to SMOKING / total deaths in the year 2000

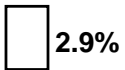
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/ 1	417/448	258/284	675/733	–/ 0	69/107	50/91	119/198
All Cancer	–/29	661/1380 (48%)	414/1263 (33%)	1075/2672	–/21	86/875 (10%)	66/1184 ( 6%)	152/2080
Vascular	–/15	390/1281	256/2099	646/3395	–/ 7	54/488	93/3614	147/4109
Respiratory	–/ 2	124/209	247/554	371/765	–/ 8	18/61	80/636	98/705
All Other	–/353	179/1536	66/836	245/2725	–/128	29/628	29/1381	58/2137
All Causes	–/399	1354/4406 (31%)	983/4752 (21%)	2337/9557	–/164	187/2052 ( 9%)	268/6815 ( 4%)	455/9031

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	1.1 / 2.7 (40%)	0.2 / 2.1 ( 7%)	1.2 / 4.8 (26%)
All Causes	2.3 / 9.6 (24%)	0.5 / 9.0 ( 5%)	2.8 / 19 (15%)

**2000: SLOVENIA**

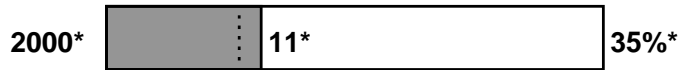
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

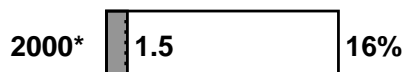
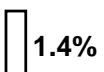
\*eg, at year 2000 male death rates, out of 100 men aged 35, 35 would die before age 70 (with 11 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## SPAIN: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	189468	7972	58662	815.1	77.1	801.1	119.8	18.5	20.3	64.2	89.5	98.0	129.2
	F	170923	3324	25082	458.2	37.3	316.4	101.4	12.7	14.1	26.4	28.3	30.2	47.9
Tuberculosis	M	337	11	110	1.4	0.1	1.5	-	-	-	-	0.1	0.1	0.5
	F	183	6	26	0.5	0.1	0.3	-	0.1	-	-	0.1	0.1	0.1
HIV	M	1391	380	984	6.4	3.2	10.0	0.2	0.1	-	-	0.8	4.4	16.7
	F	320	125	192	1.4	1.1	1.9	0.1	-	0.2	-	0.2	2.1	5.0
Other infective and parasitic	M	1982	117	653	8.6	1.3	8.7	3.4	0.9	0.3	0.8	0.4	0.8	2.3
	F	2065	85	392	6.0	1.1	5.0	4.4	0.9	0.1	1.2	0.4	0.3	0.5
ALL CANCER	M	57525	623	24207	250.9	5.9	337.9	3.8	3.7	3.2	6.0	6.4	7.2	11.3
	F	34321	526	11883	111.0	5.1	149.8	1.6	3.2	3.1	3.8	4.0	6.4	13.6
Mouth and pharynx cancer	M	1838	15	1277	8.9	0.1	17.2	0.1	-	-	0.1	0.3	0.2	0.3
	F	348	8	138	1.2	0.1	1.7	-	-	-	-	-	0.1	0.4
Oesophagus cancer	M	1555	7	941	7.2	0.1	13.1	-	-	-	-	0.1	0.1	0.2
	F	235	-	72	0.7	-	0.9	-	-	-	-	-	-	-
Stomach cancer	M	3747	18	1551	16.2	0.2	21.6	-	-	-	0.1	0.2	0.2	0.6
	F	2345	11	642	7.0	0.1	8.1	-	-	-	-	0.1	0.2	0.4
Colorectal cancer	M	6464	23	2311	27.5	0.2	32.7	-	-	-	0.1	0.3	0.3	0.6
	F	5189	29	1407	15.4	0.2	17.9	-	-	-	-	0.2	0.5	1.0
Liver cancer	M	2495	20	1032	10.7	0.2	14.7	0.1	-	0.1	0.1	0.1	0.3	0.6
	F	1174	6	287	3.4	0.1	3.7	-	0.1	-	0.2	0.1	0.1	-
Pancreas cancer	M	2077	9	994	9.2	0.1	14.0	-	-	-	0.1	-	0.1	0.4
	F	1923	5	594	5.9	0.0	7.7	-	-	-	-	0.1	0.1	0.2
Larynx cancer	M	1770	3	1053	8.2	0.0	14.5	-	-	-	-	-	0.1	0.1
	F	46	-	23	0.2	-	0.3	-	-	-	-	-	-	-
Lung cancer	M	15477	29	7724	68.6	0.2	108.0	-	-	-	-	0.2	0.3	1.2
	F	1886	10	870	6.7	0.1	10.7	-	-	-	-	0.1	0.2	0.4
Malignant melanoma	M	391	20	208	1.8	0.2	2.7	-	-	0.1	-	0.3	0.3	0.5
	F	310	16	131	1.1	0.1	1.6	-	0.1	-	0.2	0.1	0.3	0.4
Female breast cancer	F	5677	71	2756	20.6	0.6	34.2	-	-	-	-	0.3	0.4	3.6
Cervix cancer	F	597	19	365	2.4	0.2	4.3	-	-	-	-	-	0.2	1.0
Other uterine cancer	F	1206	3	420	3.9	0.0	5.4	-	-	-	-	-	0.1	0.1
Ovarian cancer	F	1615	21	787	5.9	0.2	10.0	-	-	-	-	0.2	0.4	0.7
Prostate cancer	M	5456	1	794	22.2	0.0	11.7	-	-	-	-	0.1	-	-
Bladder cancer	M	3193	3	939	13.3	0.0	13.5	-	-	-	-	-	0.1	0.1
	F	721	1	101	1.9	0.0	1.3	-	-	-	-	-	-	0.1
Other and ill-defined cancer sites	M	9244	255	3943	40.7	2.5	54.4	1.9	1.6	1.0	3.1	2.7	2.9	4.0
	F	7740	171	2289	24.0	1.8	29.1	1.1	1.9	1.5	1.5	1.6	2.2	2.7
Hodgkin's disease	M	155	28	68	0.7	0.3	0.9	-	0.1	0.1	0.4	0.4	0.4	0.4
	F	125	23	40	0.4	0.2	0.5	-	-	0.1	0.5	0.2	0.4	0.3
Myeloma and non-Hodgkin lymphomas	M	2045	56	800	8.7	0.5	11.0	0.1	0.2	0.3	0.4	0.6	0.9	1.1
	F	1921	29	599	6.0	0.3	7.7	-	-	0.4	0.3	0.6	0.2	0.4
Leukaemia	M	1618	136	572	7.1	1.5	7.8	1.5	1.7	1.7	1.7	1.2	1.1	1.2
	F	1263	103	362	4.1	1.1	4.6	0.5	1.1	1.2	1.3	0.5	1.2	1.9
Diabetes	M	3558	16	814	14.8	0.1	11.6	0.1	-	-	0.1	-	0.2	0.6
	F	5695	13	551	14.1	0.1	7.2	-	-	-	-	0.1	0.2	0.5
ALL VASCULAR DISEASE	M	57056	416	14508	240.4	3.6	202.7	1.2	0.5	0.9	2.0	4.1	5.5	11.2
	F	68667	186	5378	166.2	1.8	69.2	1.4	0.3	1.1	1.0	1.8	2.6	4.3
Rheumatic heart disease and fever	M	523	6	222	2.2	0.1	3.1	0.1	-	-	-	-	0.1	0.2
	F	1277	2	351	3.8	0.0	4.6	-	-	-	0.1	-	0.1	-
Hypertensive disease	M	1583	4	335	6.6	0.0	4.8	-	-	-	0.1	0.1	0.1	0.1
	F	3472	2	207	8.2	0.0	2.6	-	-	-	-	-	0.1	0.1
Ischaemic heart disease	M	22541	110	7585	96.2	0.9	105.6	-	-	0.1	0.3	0.5	1.7	3.9
	F	16774	24	1774	42.0	0.2	22.9	0.2	-	-	0.1	0.2	0.4	0.6
Pulmonary embolism and other venous	M	1170	27	374	5.0	0.2	5.0	-	-	-	-	0.4	0.3	0.9
	F	1645	17	210	4.3	0.2	2.7	-	-	0.1	-	0.3	0.2	0.4
Cerebrovascular disease	M	15019	86	2696	62.3	0.8	38.0	0.2	0.1	0.3	0.3	1.2	1.0	2.2
	F	21577	66	1545	52.0	0.6	19.8	-	0.1	0.2	0.4	0.5	0.9	2.1
Other vascular disease	M	16220	183	3296	68.0	1.7	46.0	0.9	0.4	0.6	1.3	2.0	2.4	4.0
	F	23922	75	1291	56.0	0.8	16.6	1.2	0.2	0.8	0.5	0.7	1.0	1.2
Chronic obstructive pulmonary disease	M	12222	19	1854	49.7	0.2	27.0	-	-	-	0.2	0.3	0.3	0.4
	F	4405	12	363	10.7	0.1	4.7	0.1	-	0.1	0.2	0.2	0.1	0.1
Other respiratory disease	M	11909	228	2007	49.5	2.1	27.7	2.8	0.7	0.4	1.0	2.5	2.8	4.8
	F	12447	80	831	29.8	0.8	10.5	1.9	0.1	0.3	0.5	0.6	1.0	1.6
Peptic ulcer	M	416	1	104	1.8	0.0	1.4	-	-	-	-	-	-	0.1
	F	337	4	31	0.8	0.0	0.4	-	0.1	-	-	-	0.2	-
Liver cirrhosis	M	3539	60	2280	16.5	0.5	30.5	-	-	-	-	-	0.5	2.9
	F	1605	23	694	5.6	0.2	8.8	-	-	-	0.1	0.1	0.3	1.0
Renal disease	M	2876	15	470	11.9	0.1	6.6	-	0.1	-	0.3	0.1	0.2	0.4
	F	3010	19	310	7.5	0.2	4.0	0.1	-	-	0.2	0.5	0.2	0.3
Pregnancy, birth	F	14	12	2	0.1	0.1	0.0	-	-	-	0.1	0.2	0.2	0.3
Congenital and perinatal causes	M	1055	911	103	7.8	12.8	1.2	82.2	2.1	0.6	0.9	1.2	1.2	1.2
	F	916	752	103	6.8	11.2	1.2	71.2	1.5	1.5	1.8	1.0	0.3	0.9
Ill-defined causes	M	4288	334	1231	18.9	3.4	16.0	8.3	0.7	0.4	1.6	3.2	3.5	6.0
	F	5355	118	395	13.2	1.4	4.9	6.0	0.1	0.5	0.4	0.6	1.0	1.5
Other medical causes	M	19207	536	4083	81.3	5.6	55.5	9.5	3.7	3.5	5.1	4.3	5.0	7.9
	F	27149	335	2492	67.8	3.8	31.6	8.2	3.1	2.4	3.4	2.9	2.8	4.0
ALL NON-MEDICAL CAUSES	M	12107	4305	5254	55.2	38.2	62.8	8.3	5.9	11.1	46.1	66.3	66.3	63.1
	F	4434	1028	1439	16.6	10.1	17.0	6.3	3.3	4.9	13.7	15.8	12.6	14.1
Road traffic accidents	M	4682	2199	1916	21.5	19.7	22.8	2.6	3.3	6.8	30.1	38.8	31.0	25.2
	F	1451	573	534	6.3	5.7	6.3	2.4	1.9	3.6	9.8	10.2	6.5	5.6
Fire	M	127	27	54	0.6	0.3	0.7	0.7	0.5	-	0.1	0.1	0.3	0.4
	F	79	16	19	0.3	0.2	0.2	0.4	0.1	0.1	0.2	0.3	-	0.2
Suicide	M	2574	635	1247	11.6	5.4	15.1	-	-	0.6	5.3	9.2	12.2	10.3
	F	819	153	414	3.3	1.4	5.0	-	-	0.3	1.4	1.5	2.7	3.6
Homicide	M	298	126	160	1.4	1.1	1.8	0.2	0.1	-	0.3	1.5	2.2	3.1
	F	113	47	49	0.5	0.4	0.5	0.4	-	0.1	0.3	0.2	0.6	1.4
POPULATION: (1000s; UN, 2004 revision)			M=male		19970	9639	8450	984	980	1081	1343	1713	1843	1696
			F=female		20747	9200	8750	931	935	1026	1273	1635	1763	1637

## 2000: SPAIN

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
181.0	246.7	368.2	568.5	814.7	1401.7	2026.5	3112.8	5576.5	13785.7	M	ALL CAUSES	001-999/A00-Y89
69.7	106.0	152.4	219.4	307.0	528.4	832.0	1426.9	2959.6	11021.4	F		
0.7	0.3	0.8	1.2	1.1	2.2	4.0	5.9	12.4	20.4	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.1	-	0.2	0.2	0.4	0.6	0.9	2.8	4.6	9.0	F		
26.9	18.4	8.6	5.7	4.6	3.2	2.1	1.4	1.4	1.5	M	HIV	279.5, 279.6/B20-B24
6.0	3.8	1.7	0.6	0.1	0.3	0.5	0.3	-	-	F		
3.5	3.5	4.9	6.5	6.8	13.6	22.1	33.7	55.8	129.7	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.0	0.7	1.7	2.8	3.4	8.1	17.1	21.7	42.0	108.6	F		
27.3	66.6	141.8	248.4	380.0	630.3	871.1	1175.3	1736.3	2746.4	M	ALL CANCER	140-208/C00-C97
27.1	53.9	81.9	125.8	165.3	252.4	342.6	446.8	687.9	1241.5	F		
1.9	6.2	11.8	19.7	22.3	30.2	28.1	25.0	31.5	33.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.2	0.7	1.1	2.1	2.2	2.5	3.4	4.0	4.9	12.9	F		
0.4	2.3	5.8	12.1	18.8	25.4	26.9	29.6	33.1	36.0	M	Oesophagus cancer	150/C15
0.1	0.2	0.6	0.7	1.4	1.8	1.6	2.8	4.2	10.5	F		
1.9	4.6	8.9	15.3	23.0	39.2	58.6	79.1	118.4	178.3	M	Stomach cancer	151/C16
1.2	3.5	3.7	6.3	7.4	12.0	22.3	29.6	48.3	105.4	F		
2.2	4.3	10.8	19.3	30.2	60.9	101.5	134.2	208.0	386.1	M	Colorectal cancer	153, 154/C18-C21
2.2	5.2	8.1	12.0	19.7	30.4	47.9	63.1	111.7	232.9	F		
0.5	1.7	3.7	8.8	16.5	26.8	44.8	63.1	78.4	99.0	M	Liver cancer	155.0/C22 excl C221
0.3	0.5	1.2	1.2	3.1	7.1	12.7	19.7	31.1	45.0	F		
0.9	1.9	4.1	10.1	16.5	27.4	37.3	44.0	57.7	79.7	M	Pancreas cancer	157/C25
0.6	0.9	2.2	5.1	9.0	13.7	22.3	27.7	47.1	69.5	F		
0.9	3.1	8.2	13.9	18.1	27.1	30.3	31.7	38.1	49.0	M	Larynx cancer	161/C32
-	0.3	0.4	0.2	0.2	0.3	0.6	0.5	0.7	1.3	F		
5.2	19.3	50.1	82.8	128.0	203.9	266.7	346.8	453.3	473.4	M	Lung cancer	162/C33, C34
2.5	5.9	9.1	10.9	11.4	16.5	19.0	24.1	34.9	50.1	F		
1.2	0.9	1.9	2.1	3.7	4.3	5.1	7.1	7.8	12.5	M	Malignant melanoma	172/C43
0.9	0.8	1.0	1.5	1.3	2.7	3.1	3.9	4.7	8.9	F		
8.3	16.6	24.3	35.7	41.3	55.3	58.2	66.9	87.3	153.5	F	Female breast cancer	174/C50
1.8	3.7	4.4	5.2	4.4	4.8	6.1	5.6	8.3	9.2	F	Cervix cancer	180/C53
0.2	0.6	1.9	4.9	6.5	9.3	14.6	18.5	23.9	42.1	F	Other uterine cancer	179, 182/C54, C55
1.4	2.7	4.7	11.0	13.2	18.0	19.2	23.1	31.1	33.4	F	Ovarian cancer	183/C56, C570-C574
0.1	0.1	0.9	2.9	6.2	24.0	47.8	91.5	209.7	573.0	M	Prostate cancer	185/C61
0.2	0.7	3.2	7.1	13.4	26.6	43.5	66.2	122.3	212.2	M	Bladder cancer	188/C67
0.2	-	0.6	0.8	1.3	3.2	3.3	8.4	15.3	43.3	F		
6.9	14.8	24.1	41.2	66.0	98.4	129.1	182.2	261.2	430.6	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.8	8.7	13.0	20.2	30.9	51.6	74.6	102.2	158.5	311.5	F		
0.3	0.8	0.7	1.3	0.5	1.2	1.2	1.9	3.7	4.7	M	Hodgkin's disease	201/C81
0.6	0.2	0.3	0.3	0.4	0.6	0.9	1.9	1.4	3.3	F		
2.7	3.2	4.2	5.9	10.6	21.2	29.6	45.1	68.8	88.8	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.2	1.7	2.8	4.6	7.2	14.2	22.1	29.5	49.7	61.9	F	Leukaemia	204-208/C91-C95
2.0	2.5	3.5	5.9	6.1	13.8	20.7	27.9	44.2	89.9	M		
0.7	1.8	2.6	3.2	4.5	8.5	10.9	15.4	24.5	46.6	F		
0.9	1.7	1.6	6.4	11.5	23.7	35.8	67.6	125.8	306.6	M	Diabetes	250/E10-E14
0.5	0.7	1.0	1.6	6.0	12.5	27.9	55.9	127.7	373.7	F		
22.0	44.5	76.9	133.6	196.4	373.4	571.8	959.0	1811.0	5044.9	M	ALL VASCULAR DISEASE	390-459/I00-199
7.9	13.3	22.0	32.5	56.0	123.0	229.9	493.8	1169.4	5154.7	F		
0.3	0.4	1.0	2.0	3.1	5.7	9.5	13.0	15.8	20.4	M	Rheumatic heart disease and fever	390-398/I00-I09
0.4	0.3	0.6	2.2	3.9	10.0	14.9	21.8	33.6	45.0	F		
0.3	0.7	0.9	3.1	4.2	9.8	14.5	26.0	48.8	158.6	M	Hypertensive disease	401-405/I10-I15
0.1	0.3	1.0	1.3	2.1	3.3	10.4	23.9	59.1	269.5	F		
10.5	24.5	41.4	77.1	105.0	191.8	289.3	431.5	723.0	1508.4	M	Ischaemic heart disease	410-414/I20-I25
1.4	3.6	6.7	9.6	16.9	38.0	84.0	162.1	347.2	1113.7	F		
1.2	2.1	3.8	3.4	4.4	10.2	10.2	18.7	35.9	86.5	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
0.4	0.9	1.3	1.8	2.8	4.9	6.5	15.0	32.6	106.0	F		
3.7	5.7	13.5	21.8	35.2	71.4	114.9	238.4	513.1	1552.7	M	Cerebrovascular disease	430-438/I60-I69
3.2	4.1	8.2	10.6	16.2	35.8	60.3	147.8	382.0	1630.3	F		
6.0	11.1	16.4	26.3	44.4	84.5	133.4	231.4	474.3	1718.5	M	Other vascular disease	Rest of 390-459/ rest of I00-199
2.4	4.0	4.2	6.9	14.1	31.0	53.7	123.2	314.9	1990.1	F		
0.5	1.9	3.8	6.9	18.1	51.3	106.7	215.4	471.2	1243.8	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.4	1.0	1.1	1.9	3.2	8.5	16.6	34.8	80.2	320.9	F		
6.4	8.3	9.6	14.4	23.3	48.2	83.8	153.9	383.5	1315.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.7	3.1	4.5	5.3	9.3	15.4	32.8	71.6	186.4	986.6	F		
0.2	0.3	0.9	1.4	1.4	2.9	2.9	6.4	13.6	38.2	M	Peptic ulcer	531-533/K25-K27
0.2	0.1	0.1	0.2	0.2	0.7	1.1	2.7	6.4	23.7	F		
5.7	13.1	19.8	30.5	35.2	52.4	56.7	59.1	69.7	64.9	M	Liver cirrhosis	571/K70, K74
1.8	2.1	5.6	7.6	10.2	14.9	19.3	25.9	39.5	31.7	F		
0.7	1.4	2.2	2.7	6.1	12.3	21.0	44.0	89.2	321.2	M	Renal disease	580-590/N00-N19
0.4	0.6	1.3	1.5	2.8	7.4	14.1	23.9	57.4	209.1	F		
0.1	0.1	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
1.4	1.1	0.8	1.7	1.0	1.2	1.3	0.6	4.4	2.3	M	Ill-defined causes	780-799/R00-R99
0.7	1.3	1.0	0.7	1.1	1.9	1.8	1.4	1.9	3.3	F		
7.8	9.2	10.4	12.1	16.6	24.5	31.1	43.6	82.5	400.5	M		
1.9	2.3	2.9	3.9	3.4	7.4	12.2	19.2	53.6	447.3	F		
13.6	17.7	27.0	39.5	52.9	91.3	146.5	259.3	592.2	1918.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
6.7	10.1	13.0	18.9	29.2	54.4	88.7	187.9	449.9	1990.2	F		
63.5	58.6	59.1	57.5	59.4	71.2	69.9	87.6	127.4	230.7	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
12.2	12.9	14.2	16.0	16.4	20.9	26.4	38.3	52.8	121.1	F		
23.1	22.3	21.7	21.1	23.3	24.9	23.1	27.0	31.7	33.9	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.6	5.5	5.5	6.3	6.0	6.9	9.0	10.3	13.5	13.6	F		
0.5	0.4	0.9	0.5	0.7	1.0	0.7	0.9	3.4	4.0	M	Fire	E890-E899/X00-X09
0.2	0.2	0.4	-	0.2	-	0.4	0.4	1.4	3.1	F		
13.6	12.9	13.8	13.2	14.1	17.9	20.4	24.3	34.7	61.7	M	Suicide	E950-E959/X60-X84
2.9	3.5	4.1	5.3	4.8	7.1	6.9	8.3	8.7	10.1	F		
2.1	2.5	2.2	1.5	1.6	1.8	0.9	0.2	0.7	1.3	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.7	0.8	0.5	0.7	0.5	0.2	0.4	0.5	1.0	0.4	F		
1621	1491	1250	1177	1058	865	987	845	565	472	M	POPULATION	
1603	1499	1260	1203	1108	947	1131	1053	803	941	F	(1000s; UN, 2004 revision)	

<b>SPAIN: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	11399	771	47	26	698	44	306	748	135	4717	4678
35-69	Sm.	21167	11666	7338	2292	2036	1718	493	4593	-	2697	-
	Total	62229 (34%)	24769 (47%)	7943 (92%)	3532 (65%)	13294 (15%)	2253 (76%)	1777 (28%)	16472 (28%)	3105	8944 (30%)	4909
70+	Sm.	23607	9553	6245	976	2332	6728	698	4563	-	2065	-
	Total	110860 (21%)	28607 (33%)	6941 (90%)	1710 (57%)	19956 (12%)	9492 (71%)	6742 (10%)	42606 (11%)	1558	19559 (11%)	2296
Any age	Sm.	44774	21219	13583	3268	4368	8446	1191	9156	-	4762	-
	Total	184488 (24%)	54147 (39%)	14931 (91%)	5268 (62%)	33948 (13%)	11789 (72%)	8825 (13%)	59826 (15%)	4798	33220 (14%)	11883
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	7972	623	29	25	569	19	228	416	60	2321	4305
35-69	Sm.	19524	11148	7112	2090	1946	1391	541	3949	-	2495	-
	Total	58662 (33%)	24207 (46%)	7724 (92%)	3271 (64%)	13212 (15%)	1854 (75%)	2007 (27%)	14508 (27%)	2280	8552 (29%)	5254
70+	Sm.	25531	10548	6911	1040	2597	7260	958	4325	-	2440	-
	Total	122834 (21%)	32695 (32%)	7724 (89%)	1867 (56%)	23104 (11%)	10349 (70%)	9674 (10%)	42132 (10%)	1199	24237 (10%)	2548
Any age	Sm.	45055	21696	14023	3130	4543	8651	1499	8274	-	4935	-
	Total	189468 (24%)	57525 (38%)	15477 (91%)	5163 (61%)	36885 (12%)	12222 (71%)	11909 (13%)	57056 (15%)	3539	35110 (14%)	12107

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	19568	10028	7933	1467	1270	1201	1083	937	1041	934	736	440	431
2000	19970	9639	8450	1621	1491	1250	1177	1058	865	987	845	565	472
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	184488	11399	62229	3447	3400	4875	6192	8955	14998	20362	25820	25279	59761
2000	189468	7972	58662	2935	3678	4603	6691	8622	12125	20008	26300	31507	65027
<b>Lung cancer</b>													
1995	14931	47	7943	117	284	608	821	1257	2173	2683	2830	2020	2091
2000	15477	29	7724	85	287	626	974	1355	1764	2633	2930	2561	2233
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	872.0*	107.8*	865.1*	235.0	267.7	405.8	571.9	955.9	1440.6	2179.2	3508.2	5746.5	13868.9
2000	815.1*	77.1*	801.1*	181.0	246.7	368.2	568.5	814.7	1401.7	2026.5	3112.8	5576.5	13785.7
<b>All cancer</b>													
1995	258.3*	7.3*	349.8*	32.7	72.8	154.6	247.4	417.7	638.9	884.4	1269.4	1753.1	2680.9
2000	250.9*	5.9*	337.9*	27.3	66.6	141.8	248.4	380.0	630.3	871.1	1175.3	1736.3	2746.4
<b>Lung cancer</b>													
1995	71.6*	0.4*	112.4*	8.0	22.4	50.6	75.8	134.2	208.7	287.1	384.5	459.2	485.3
2000	68.6*	0.2*	108.0*	5.2	19.3	50.1	82.8	128.0	203.9	266.7	346.8	453.3	473.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	26.7*	0.2*	49.2*	3.1	13.1	32.3	50.0	75.9	85.0	85.2	97.4	101.8	126.5
2000	24.3*	0.2*	44.8*	3.2	11.6	25.8	45.8	59.2	82.7	85.3	86.3	102.7	118.3
<b>Other cancer</b>													
1995	160.0*	6.7*	188.2*	21.6	37.4	71.7	121.6	207.6	345.2	512.1	787.5	1192.1	2069.2
2000	158.0*	5.5*	185.1*	18.9	35.8	65.9	119.9	192.8	343.7	519.1	742.2	1180.4	2154.8
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	53.8*	0.4*	32.9*	0.8	2.0	4.8	10.3	28.4	57.9	126.0	273.9	514.4	1209.8
2000	49.7*	0.2*	27.0*	0.5	1.9	3.8	6.9	18.1	51.3	106.7	215.4	471.2	1243.8
<b>Other respiratory disease</b>													
1995	40.9*	2.8*	25.0*	6.1	7.0	8.5	12.8	24.0	41.7	74.7	140.6	300.8	1017.4
2000	49.5*	2.1*	27.7*	6.4	8.3	9.6	14.4	23.3	48.2	83.8	153.9	383.5	1315.9
<b>Vascular disease</b>													
1995	279.2*	6.8*	233.0*	31.2	52.7	92.4	139.7	250.9	399.5	664.9	1153.4	2052.3	5822.5
2000	240.4*	3.6*	202.7*	22.0	44.5	76.9	133.6	196.4	373.4	571.8	959.0	1811.0	5044.9
<b>Liver cirrhosis</b>													
1995	23.9*	1.2*	42.7*	10.4	18.1	26.2	34.5	57.3	69.3	83.0	92.1	97.5	104.7
2000	16.5*	0.5*	30.5*	5.7	13.1	19.8	30.5	35.2	52.4	56.7	59.1	69.7	64.9
<b>Other medical causes</b>													
1995	159.0*	48.1*	119.1*	92.7	61.9	63.8	70.7	108.5	164.0	272.2	477.7	909.5	2794.6
2000	152.8*	26.5*	112.5*	55.6	53.7	57.2	77.1	102.2	174.9	266.7	462.5	977.3	3139.1
<b>All non-medical causes</b>													
1995	56.9*	41.2*	62.6*	61.2	53.1	55.4	56.2	69.2	69.3	74.0	101.0	118.9	239.0
2000	55.2*	38.2*	62.8*	63.5	58.6	59.1	57.5	59.4	71.2	69.9	87.6	127.4	230.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994



## 1995, 2000: SPAIN

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4402	585	16	11	558	24	112	293	29	2240	1119
35-69	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	27044 (0%)	12435 (0%)	659 (0%)	199 (0%)	11577 (0%)	438 (0%)	659 (0%)	6437 (0%)	990	4647 (0%)	1438
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	130293 (0%)	19737 (0%)	904 (0%)	387 (0%)	18446 (0%)	3953 (0%)	7524 (0%)	65154 (0%)	1080	30960 (0%)	1885
Any age	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	161739 (0%)	32757 (0%)	1579 (0%)	597 (0%)	30581 (0%)	4415 (0%)	8295 (0%)	71884 (0%)	2099	37847 (0%)	4442
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	3324	526	10	8	508	12	80	186	23	1469	1028
35-69	Sm.	417	232	191	16	25	27	13	71	-	74	-
	Total	25082 (2%)	11883 (2%)	870 (22%)	233 (7%)	10780 (0%)	363 (7%)	831 (2%)	5378 (1%)	694	4494 (2%)	1439
70+	Sm.	0	0	0	0	0	0	0	0	-	0	-
	Total	142517 (0%)	21912 (0%)	1006 (0%)	388 (0%)	20518 (0%)	4030 (0%)	11536 (0%)	63103 (0%)	888	39081 (0%)	1967
Any age	Sm.	417	232	191	16	25	27	13	71	-	74	-
	Total	170923 (0%)	34321 (1%)	1886 (10%)	629 (3%)	31806 (0%)	4405 (1%)	12447 (0%)	68667 (0%)	1605	45044 (0%)	4434

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	20353	9608	8293	1464	1274	1217	1111	999	1142	1087	933	682	837
2000	20747	9200	8750	1603	1499	1260	1203	1108	947	1131	1053	803	941
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	161739	4402	27044	1291	1448	1940	2566	3614	6324	9861	15264	22021	93008
2000	170923	3324	25082	1117	1589	1920	2640	3402	5002	9412	15027	23757	103733
<b>Lung cancer</b>													
1995	1579	16	659	39	53	55	74	84	152	202	247	242	415
2000	1886	10	870	40	88	114	131	126	156	215	254	280	472
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	487.8*	47.8*	345.0*	88.2	113.7	159.4	231.0	361.7	553.6	907.5	1635.8	3229.4	11118.7
2000	458.2*	37.3*	316.4*	69.7	106.0	152.4	219.4	307.0	528.4	832.0	1426.9	2959.6	11021.4
<b>All cancer</b>													
1995	116.5*	5.7*	158.8*	34.8	56.4	88.0	125.5	195.7	256.1	355.3	493.9	711.0	1228.9
2000	111.0*	5.1*	149.8*	27.1	53.9	81.9	125.8	165.3	252.4	342.6	446.8	687.9	1241.5
<b>Lung cancer</b>													
1995	5.7*	0.1*	8.3*	2.7	4.2	4.5	6.7	8.4	13.3	18.6	26.5	35.5	49.6
2000	6.7*	0.1*	10.7*	2.5	5.9	9.1	10.9	11.4	16.5	19.0	24.1	34.9	50.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.1*	0.1*	2.5*	0.5	0.9	1.8	2.5	2.7	3.8	5.4	8.1	13.5	26.2
2000	2.1*	0.1*	2.9*	0.3	1.1	2.1	3.0	3.8	4.6	5.6	7.3	9.8	24.6
<b>Other cancer</b>													
1995	108.7*	5.5*	148.0*	31.6	51.3	81.7	116.3	184.5	239.1	331.3	459.3	662.0	1153.1
2000	102.2*	5.0*	136.2*	24.3	46.9	70.7	111.9	150.1	231.2	318.1	415.3	643.2	1166.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	12.3*	0.2*	5.7*	0.5	0.4	1.6	2.1	6.1	10.4	18.6	46.0	100.9	339.0
2000	10.7*	0.1*	4.7*	0.4	1.0	1.1	1.9	3.2	8.5	16.6	34.8	80.2	320.9
<b>Other respiratory disease</b>													
1995	22.6*	1.2*	8.4*	2.1	2.6	3.2	4.5	6.2	15.0	25.1	56.5	147.8	716.0
2000	29.8*	0.8*	10.5*	2.7	3.1	4.5	5.3	9.3	15.4	32.8	71.6	186.4	986.6
<b>Vascular disease</b>													
1995	196.1*	2.9*	83.0*	9.4	15.6	26.0	42.3	69.2	137.2	281.2	623.8	1422.6	5933.3
2000	166.2*	1.8*	69.2*	7.9	13.3	22.0	32.5	56.0	123.0	229.9	493.8	1169.4	5154.7
<b>Liver cirrhosis</b>													
1995	7.9*	0.3*	12.7*	2.2	4.9	5.6	8.6	14.1	21.9	31.4	38.8	46.2	48.2
2000	5.6*	0.2*	8.8*	1.8	2.1	5.6	7.6	10.2	14.9	19.3	25.9	39.5	31.7
<b>Other medical causes</b>													
1995	114.9*	26.8*	58.7*	26.4	20.0	21.4	32.7	50.5	92.1	168.0	337.0	743.7	2718.9
2000	118.3*	19.1*	56.5*	17.5	19.8	23.1	30.3	46.7	93.4	164.3	315.8	743.4	3164.9
<b>All non-medical causes</b>													
1995	17.6*	10.8*	17.7*	12.8	13.7	13.6	15.4	19.9	20.9	27.8	39.8	57.2	134.4
2000	16.6*	10.1*	17.0*	12.2	12.9	14.2	16.0	16.4	20.9	26.4	38.3	52.8	121.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>SPAIN: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 8.0	– / 3.3	–
35–69	20 / 59	0.4 / 25	23 years
70+	26 / 123	0.0 / 143	8 years
<b>All ages</b>	<b>45 / 189</b>	<b>0.4 / 171</b>	<b>15 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

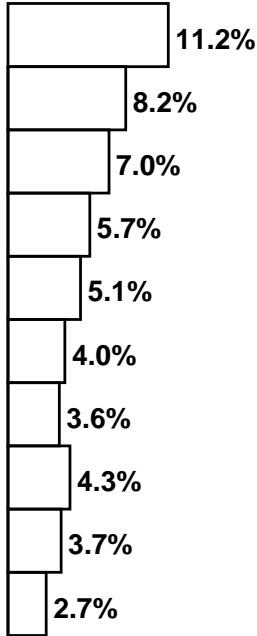
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	7.1/7.7	6.9/7.7	14/15	–/0.0	0.2/0.9	0.0/1.0	0.2/1.9
All Cancer	–/0.6	11/24 (46%)	11/33 (32%)	22/58	–/0.5	0.2/12 ( 2%)	0.0/22 ( 0%)	0.2/34
Vascular	–/0.4	3.9/15	4.3/42	8.3/57	–/0.2	0.1/5.4	0.0/63	0.1/69
Respiratory	–/0.2	1.9/3.9	8.2/20	10/24	–/0.1	0.0/1.2	0.0/16	0.0/17
All Other	–/6.7	2.5/16	2.4/28	4.9/51	–/2.5	0.1/6.6	0.0/42	0.1/51
<b>All Causes</b>	<b>–/8.0</b>	<b>20/59 (33%)</b>	<b>26/123 (21%)</b>	<b>45/189</b>	<b>–/3.3</b>	<b>0.4/25 ( 2%)</b>	<b>0.0/143 ( 0%)</b>	<b>0.4/171</b>

**Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	22 / 58 (38%)	0.2 / 34 (0.7%)	22 / 92 (24%)
All Causes	45 / 189 (24%)	0.4 / 171 (0.2%)	45 / 360 (13%)

1955-2000: SPAIN

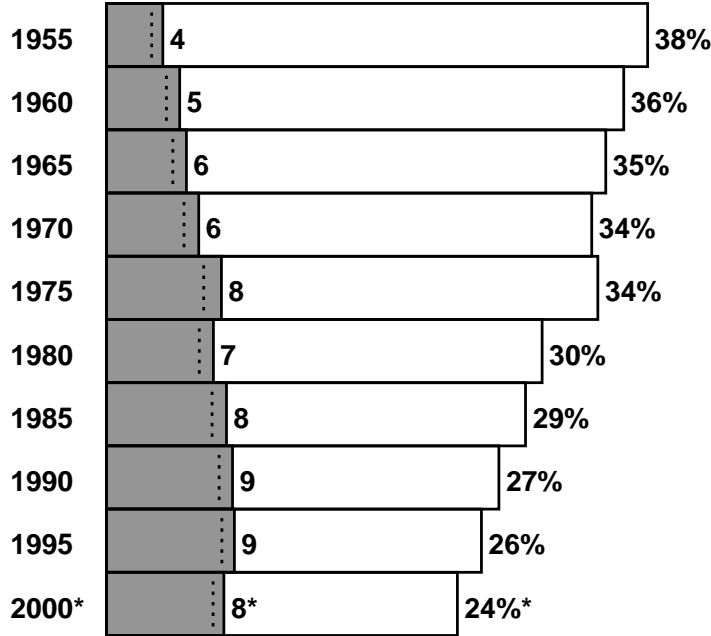
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

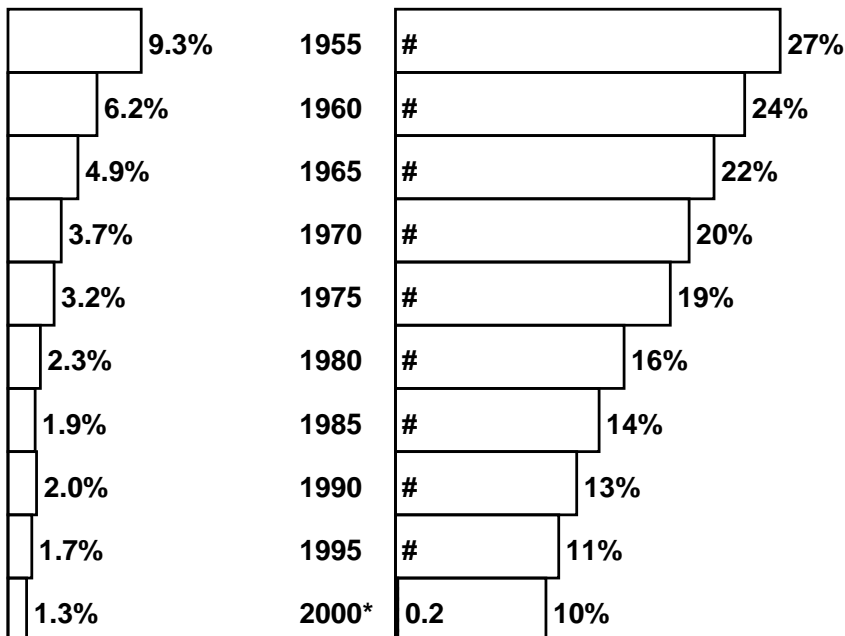
\*eg, at year 2000 male death rates, out of 100 men aged 35, 24 would die before age 70 (with 8 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

<b>SPAIN: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/32	5.6/52 <b>(11%)</b>	1.5/52 <b>(3%)</b>	7.1/135	-/25	0.0/40	0.0/68	0.0/134
1960	-/24	7.6/52 <b>(15%)</b>	3.3/57 <b>(6%)</b>	11/133	-/18	0.3/39	0.0/73	0.3/129
1965	-/21	8.9/55 <b>(16%)</b>	4.9/62 <b>(8%)</b>	14/138	-/14	0.0/38	0.0/78	0.0/130
1970	-/17	11/59 <b>(19%)</b>	6.3/68 <b>(9%)</b>	17/144	-/11	0.4/38	0.0/87	0.4/136
1975	-/16	14/62 <b>(23%)</b>	10/78 <b>(13%)</b>	25/155	-/9.8	0.0/37	0.0/96	0.0/143
1980	-/12	14/58 <b>(25%)</b>	12/82 <b>(14%)</b>	26/152	-/6.9	0.0/32	0.0/98	0.0/137
1985	-/10	17/60 <b>(29%)</b>	16/94 <b>(17%)</b>	33/165	-/5.1	0.0/30	0.0/113	0.0/148
1990	-/13	20/63 <b>(32%)</b>	19/101 <b>(19%)</b>	39/177	-/5.2	0.0/29	0.0/122	0.0/156
1995	-/11	21/62 <b>(34%)</b>	24/111 <b>(21%)</b>	45/184	-/4.4	0.0/27	0.0/130	0.0/162
2000	-/8.0	20/59 <b>(33%)</b>	26/123 <b>(21%)</b>	45/189	-/3.3	0.4/25 <b>(2%)</b>	0.0/143	0.4/171

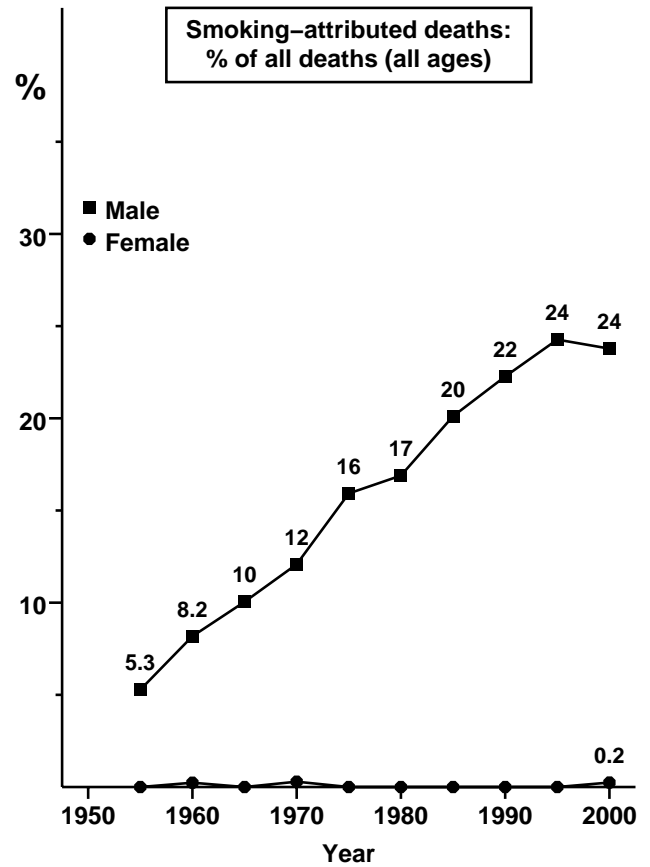
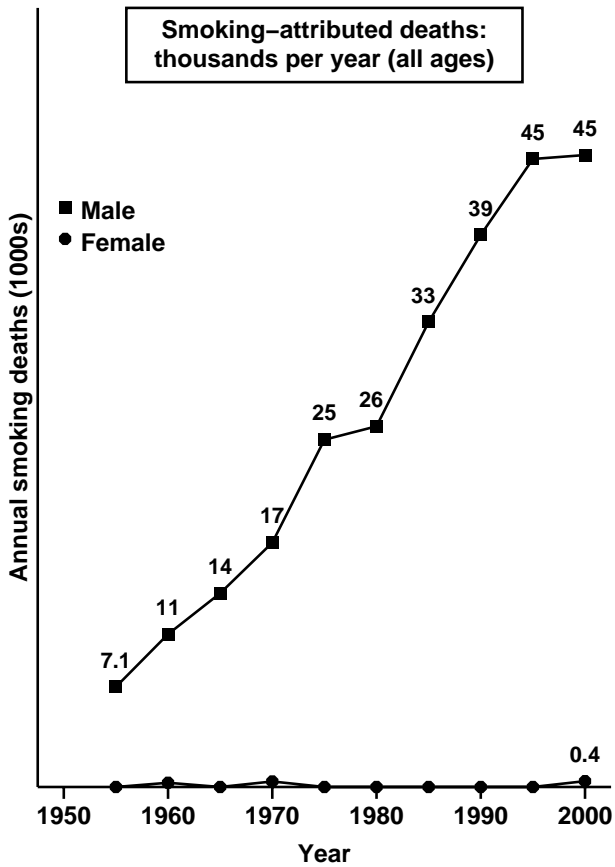
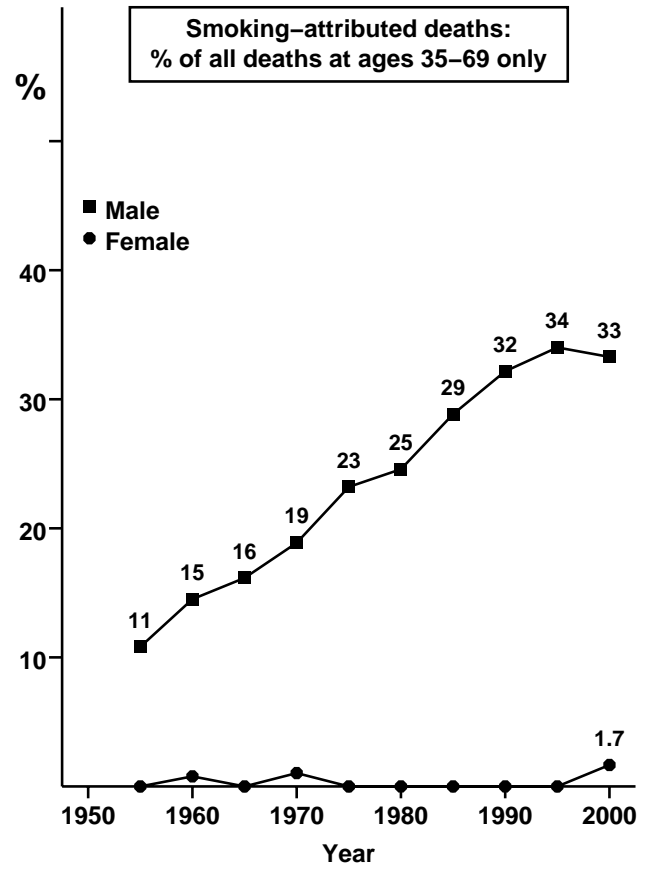
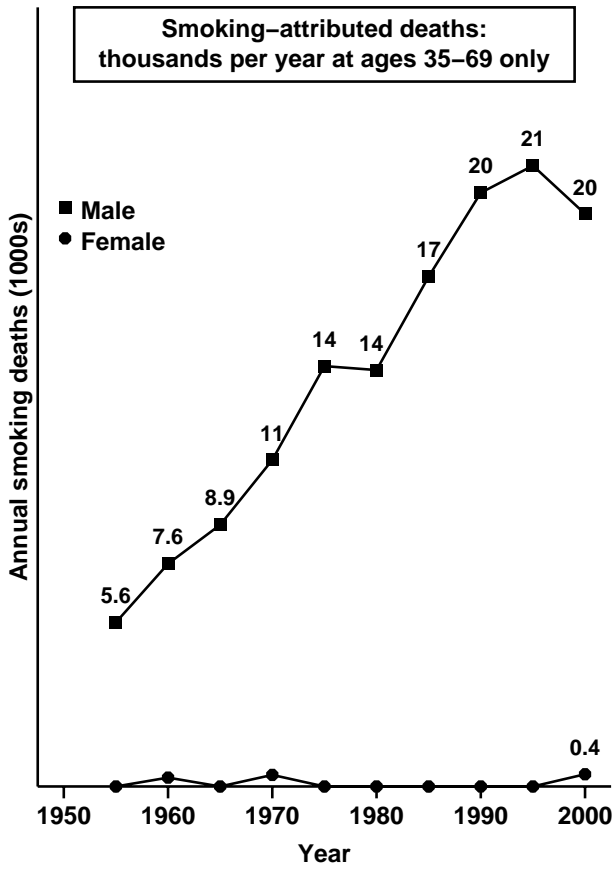
**50-year total\* (thousands), mid-1950 to mid-2000: 1236 / 14937**

**1950-2000 by age & sex:**

-/901	674/2912 <b>(23%)</b>	562/3963 <b>(14%)</b>	1236/7775	-/588	0.0/1723 <b>(0%)</b>	0.0/4851 <b>(0%)</b>	0.0/7161
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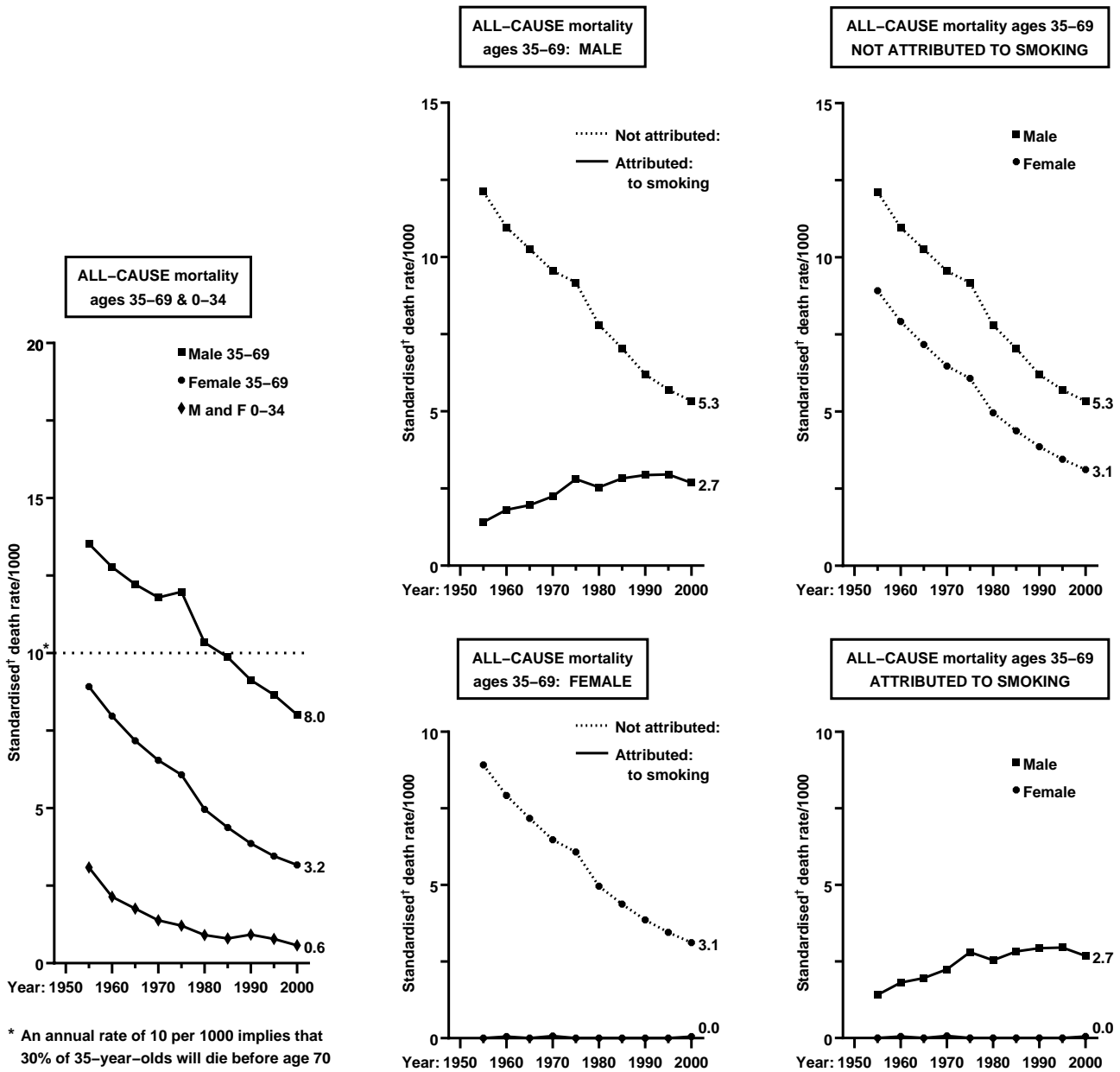
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: SPAIN



**SPAIN: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

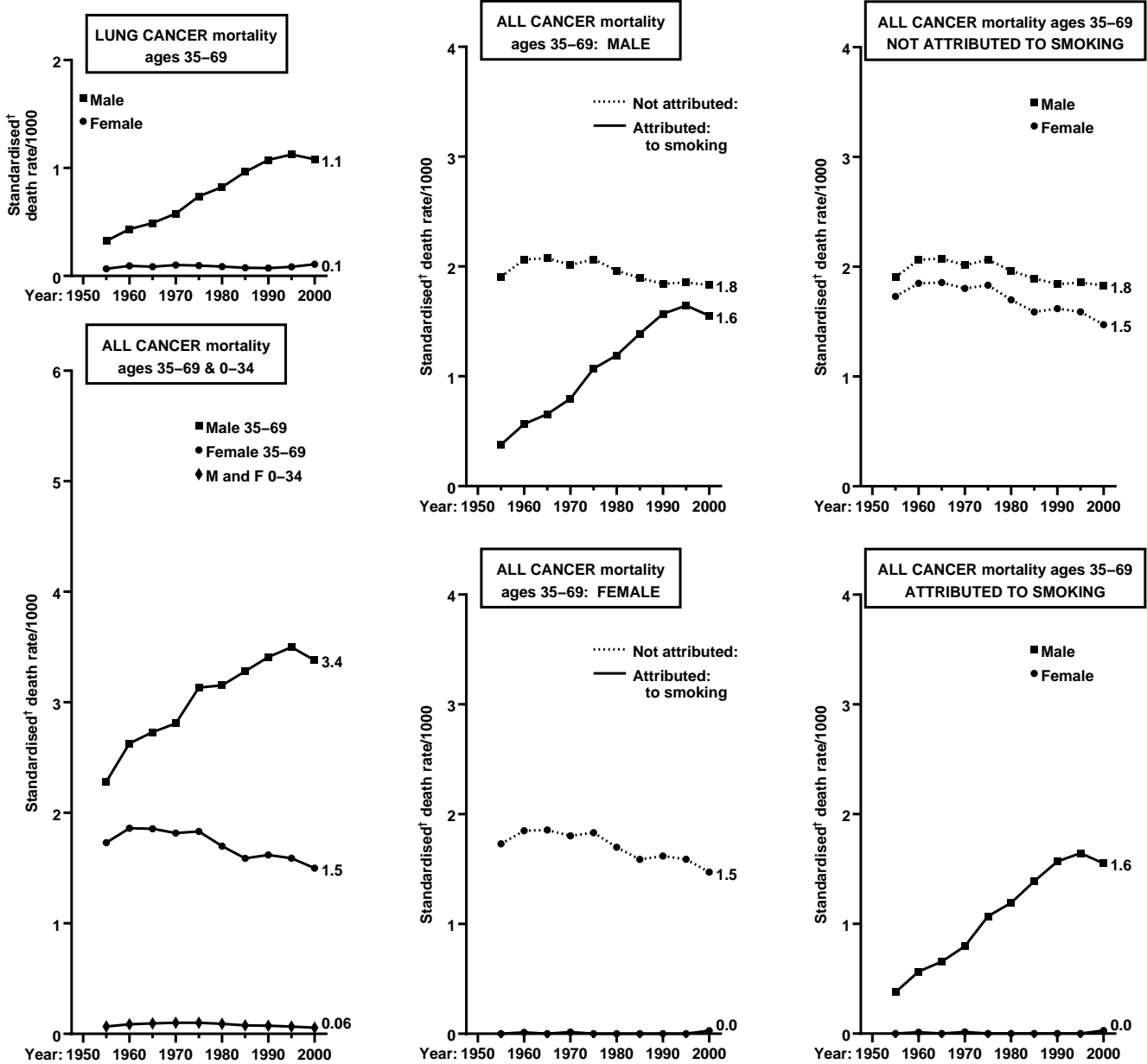
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	3.38	1.41	12.1	2.59	75.1	-	2.78	0.00	8.92	0.00	57.4	-	2.78	0.00	8.92	0.00	
1960	-	2.45	1.81	11.0	4.68	67.6	-	1.83	0.05	7.92	0.00	53.5	-	1.83	0.05	7.92	0.00	
1965	-	2.09	1.96	10.3	6.55	68.5	-	1.43	0.00	7.17	0.00	54.3	-	1.43	0.00	7.17	0.00	
1970	-	1.68	2.24	9.55	7.00	61.3	-	1.08	0.07	6.47	0.00	47.7	-	1.08	0.07	6.47	0.00	
1975	-	1.48	2.80	9.17	10.6	61.1	-	0.93	0.00	6.07	0.00	47.9	-	0.93	0.00	6.07	0.00	
1980	-	1.16	2.54	7.80	9.83	52.8	-	0.65	0.00	4.96	0.00	38.0	-	0.65	0.00	4.96	0.00	
1985	-	1.04	2.83	7.04	10.8	45.9	-	0.55	0.00	4.37	0.00	32.7	-	0.55	0.00	4.37	0.00	
1990	-	1.26	2.93	6.19	11.2	39.5	-	0.57	0.00	3.86	0.00	28.1	-	0.57	0.00	3.86	0.00	
1995	-	1.08	2.95	5.70	11.3	34.9	-	0.48	0.00	3.45	0.00	24.3	-	0.48	0.00	3.45	0.00	
2000	-	0.77	2.68	5.33	10.2	33.2	-	0.37	0.05	3.12	0.00	21.9	-	0.37	0.05	3.12	0.00	

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: SPAIN

ALL CANCER mortality rates attributed and not attributed to smoking



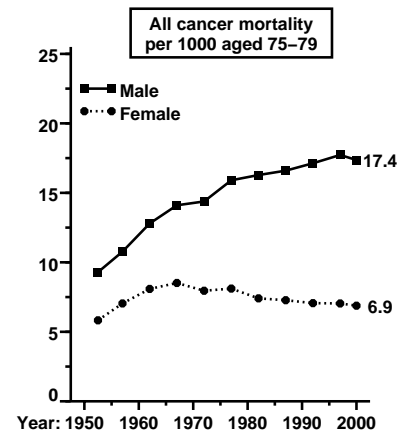
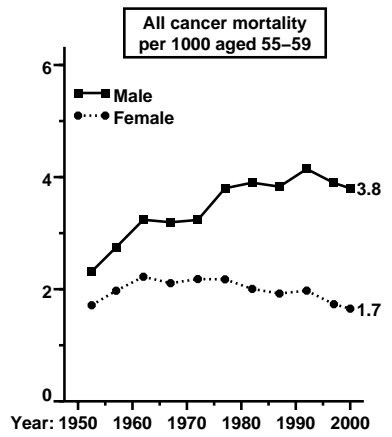
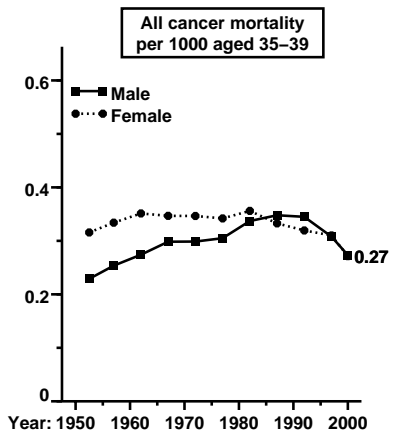
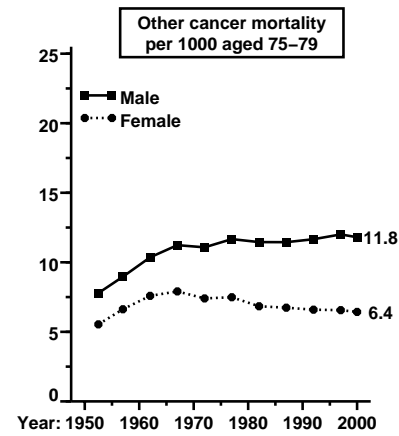
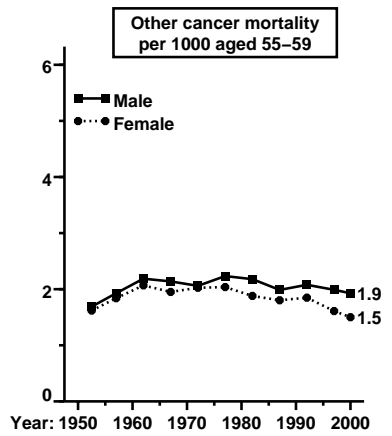
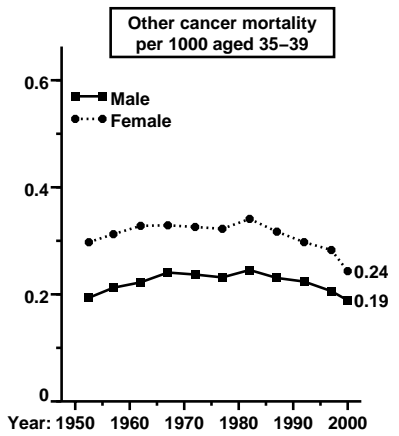
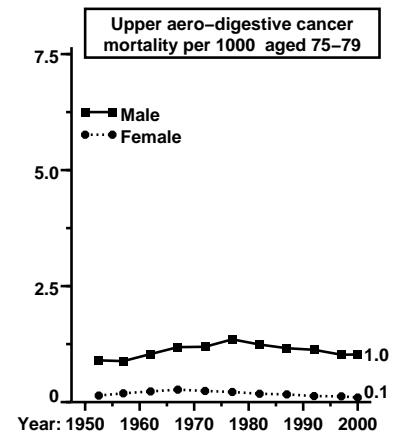
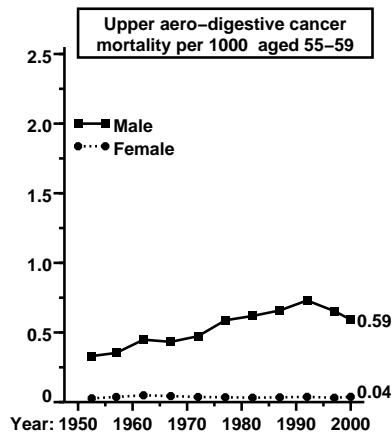
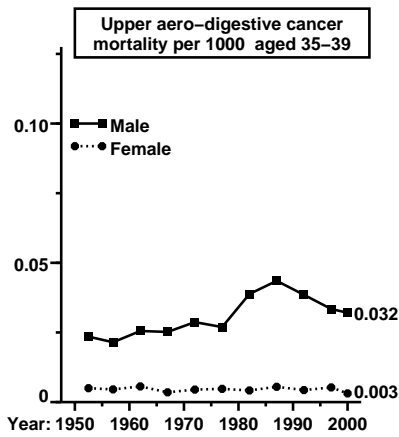
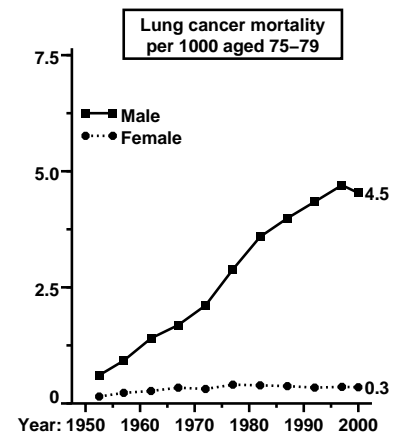
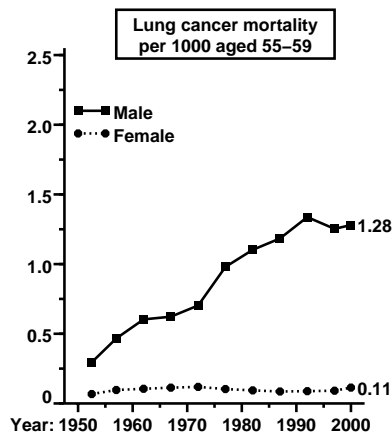
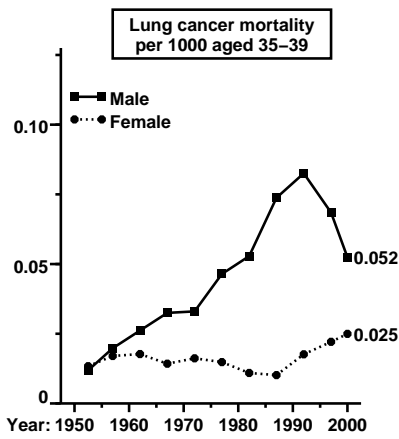
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	0-34		35-69		70-79		0-34		35-69		70-79					
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950	---	---	---	---	---	---	---	---	---	---	---	---	---			
1955	-	0.07	0.38	1.90	0.64	8.63	-	0.07	0.00	1.73	0.00	6.00	6.00			
1960	-	0.09	0.56	2.06	1.36	9.06	-	0.08	0.01	1.85	0.00	6.51	6.51			
1965	-	0.11	0.66	2.07	2.03	10.9	-	0.08	0.00	1.85	0.00	7.10	7.10			
1970	-	0.11	0.80	2.01	2.18	9.77	-	0.09	0.01	1.80	0.00	6.74	6.74			
1975	-	0.11	1.07	2.06	3.47	10.2	-	0.09	0.00	1.83	0.00	7.11	7.11			
1980	-	0.10	1.19	1.96	4.18	10.1	-	0.08	0.00	1.70	0.00	6.67	6.67			
1985	-	0.08	1.39	1.89	4.70	9.71	-	0.07	0.00	1.59	0.00	6.29	6.29			
1990	-	0.08	1.57	1.84	5.13	9.75	-	0.06	0.00	1.62	0.00	6.03	6.03			
1995	-	0.07	1.64	1.85	5.53	9.58	-	0.06	0.00	1.59	0.00	6.02	6.02			
2000	-	0.06	1.55	1.83	5.19	9.37	-	0.05	0.03	1.47	0.00	5.67	5.67			

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**SPAIN: 1951-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

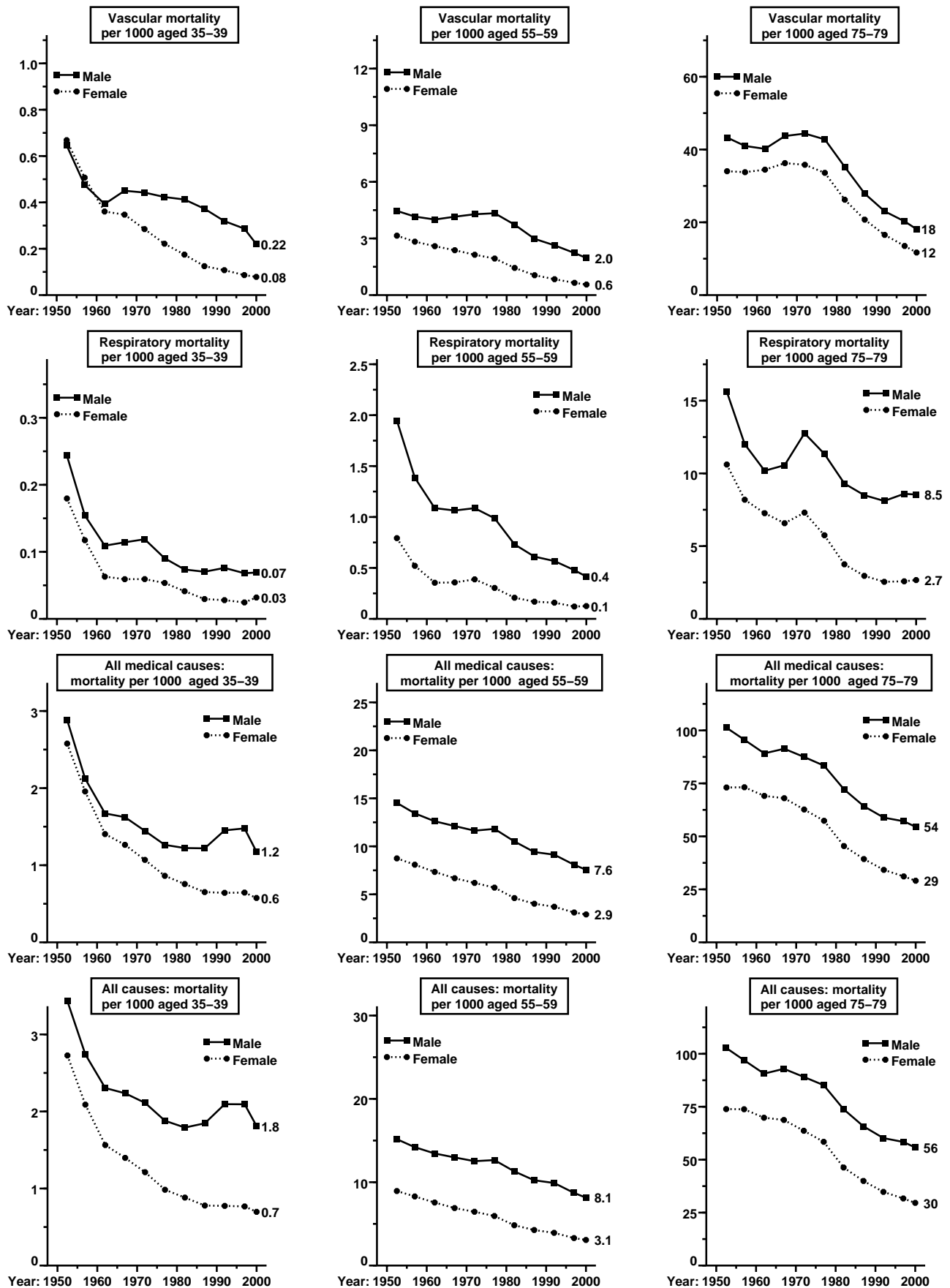


\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately



1951-2000: SPAIN

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

## SWEDEN: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	45710	1077	10394	729.2	55.3	638.3	89.1	9.7	13.9	47.7	76.6	74.2	75.6
	F	47806	490	6708	492.0	26.9	397.7	64.1	9.6	12.9	23.2	24.9	25.7	27.9
Tuberculosis	M	36	-	1	0.5	-	0.1	-	-	-	-	-	-	-
	F	33	1	2	0.4	0.0	0.1	-	-	-	-	-	0.3	-
HIV	M	22	2	20	0.5	0.1	1.0	-	-	-	-	-	-	0.6
	F	4	-	4	0.1	-	0.2	-	-	-	-	-	-	-
Other infective and parasitic	M	435	13	81	6.8	0.7	4.9	3.0	0.3	0.7	0.4	0.4	0.3	-
	F	477	4	60	4.7	0.2	3.5	0.4	0.3	-	0.8	-	-	-
ALL CANCER	M	11033	120	3330	183.9	5.9	209.5	1.7	2.6	4.1	6.9	5.7	8.3	11.7
	F	10120	75	3414	139.0	3.8	199.4	2.2	3.8	3.6	2.0	4.0	4.5	6.7
Mouth and pharynx cancer	M	162	5	73	3.0	0.2	4.3	-	-	-	-	-	0.3	1.2
	F	104	-	36	1.4	-	2.2	-	-	-	-	-	-	-
Oesophagus cancer	M	246	3	107	4.4	0.1	6.7	-	-	-	-	-	0.3	0.6
	F	108	-	30	1.4	-	1.9	-	-	-	-	-	-	-
Stomach cancer	M	503	2	149	8.3	0.1	9.3	-	-	-	-	-	0.3	0.3
	F	359	1	101	4.5	0.0	6.0	-	-	-	-	-	0.3	-
Colorectal cancer	M	1231	6	372	20.5	0.3	23.7	-	-	-	0.4	-	0.3	1.2
	F	1270	5	318	15.7	0.3	19.2	-	-	-	0.4	-	1.0	0.3
Liver cancer	M	261	-	79	4.3	-	4.9	-	-	-	-	-	-	-
	F	205	-	46	2.5	-	2.8	-	-	-	-	-	-	-
Pancreas cancer	M	666	4	253	11.5	0.2	15.9	-	-	-	-	0.4	0.3	0.6
	F	785	1	231	10.3	0.1	13.9	-	-	-	-	0.4	-	-
Larynx cancer	M	44	-	17	0.8	-	1.1	-	-	-	-	-	-	-
	F	16	-	6	0.2	-	0.4	-	-	-	-	-	-	-
Lung cancer	M	1766	-	731	31.4	-	46.5	-	-	-	-	-	-	-
	F	1220	1	578	19.3	0.1	34.3	-	-	-	-	0.4	-	-
Malignant melanoma	M	222	7	95	4.0	0.3	5.3	-	-	-	-	-	0.3	1.8
	F	148	1	68	2.3	0.0	3.7	-	-	-	-	-	-	0.3
Female breast cancer	F	1526	6	710	23.6	0.3	39.2	-	-	-	-	-	0.7	1.3
Cervix cancer	F	171	4	80	2.7	0.2	4.6	-	-	-	-	-	0.3	1.0
Other uterine cancer	F	315	-	74	4.0	-	4.5	-	-	-	-	-	-	-
Ovarian cancer	F	656	6	328	10.6	0.3	18.6	-	-	-	0.4	0.4	-	1.3
Prostate cancer	M	2501	-	318	37.1	-	22.1	-	-	-	-	-	-	-
Bladder cancer	M	428	-	81	6.6	-	5.4	-	-	-	-	-	-	-
	F	193	-	24	2.0	-	1.4	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1971	62	718	34.3	3.0	43.2	0.4	1.9	2.4	2.7	4.2	4.7	4.9
	F	2128	36	572	27.3	1.9	33.8	1.8	2.4	2.9	0.8	1.6	1.7	1.9
Hodgkin's disease	M	24	4	11	0.5	0.2	0.7	-	0.3	-	-	0.4	0.7	-
	F	14	2	2	0.2	0.1	0.1	-	-	0.4	-	0.4	-	-
Myeloma and non-Hodgkin lymphomas	M	618	5	199	10.5	0.3	12.4	-	-	-	1.2	0.4	0.3	-
	F	575	2	131	7.0	0.1	8.1	-	-	0.4	-	-	-	0.3
Leukaemia	M	390	22	127	6.8	1.1	7.7	1.3	0.3	1.7	2.7	0.4	0.7	0.9
	F	327	10	79	4.1	0.5	4.6	0.4	1.4	-	0.4	0.8	0.3	0.3
Diabetes	M	848	5	194	13.4	0.2	11.7	-	-	-	0.4	-	1.0	0.3
	F	922	4	115	9.2	0.2	7.0	-	-	-	0.4	0.4	0.3	0.3
ALL VASCULAR DISEASE	M	20877	50	3761	317.8	2.4	239.4	0.4	-	0.3	1.5	3.4	4.3	6.8
	F	22400	27	1433	197.5	1.4	89.1	1.3	-	0.4	2.4	1.2	2.7	1.9
Rheumatic heart disease and fever	M	53	-	6	0.8	-	0.4	-	-	-	-	-	-	-
	F	97	1	6	1.0	0.0	0.4	-	-	-	-	-	0.3	-
Hypertensive disease	M	265	-	33	3.9	-	2.1	-	-	-	-	-	-	-
	F	459	-	20	3.9	-	1.3	-	-	-	-	-	-	-
Ischaemic heart disease	M	10957	10	2366	171.0	0.4	150.1	-	-	-	-	-	0.7	2.5
	F	9171	4	695	83.4	0.2	43.8	-	-	-	0.4	0.4	0.3	0.3
Pulmonary embolism and other venous	M	381	3	99	6.1	0.1	6.3	-	-	0.3	-	-	0.3	0.3
	F	529	3	81	5.7	0.2	4.8	-	-	-	0.8	-	-	0.3
Cerebrovascular disease	M	4215	6	585	62.4	0.3	37.7	-	-	-	0.8	-	0.7	0.6
	F	5978	4	378	52.4	0.2	23.3	-	-	-	0.4	0.4	0.3	0.3
Other vascular disease	M	5006	31	672	73.6	1.5	42.7	0.4	-	-	0.8	3.4	2.7	3.4
	F	6166	15	253	51.1	0.8	15.5	1.3	-	0.4	0.8	0.4	1.7	1.0
Chronic obstructive pulmonary disease	M	1364	4	192	20.5	0.2	13.1	-	-	-	0.4	0.4	0.3	0.3
	F	1170	2	240	13.7	0.1	15.5	-	-	-	-	-	-	0.6
Other respiratory disease	M	1958	15	186	27.9	0.7	11.6	0.8	-	0.3	-	1.1	1.7	1.2
	F	2227	6	116	18.7	0.3	6.6	0.4	0.3	0.4	0.4	0.4	-	0.3
Peptic ulcer	M	212	-	51	3.3	-	3.2	-	-	-	-	-	-	-
	F	228	-	27	2.2	-	1.6	-	-	-	-	-	-	-
Liver cirrhosis	M	318	1	212	6.3	0.0	12.1	-	-	-	-	-	-	0.3
	F	190	1	111	3.4	0.1	6.5	0.4	-	-	-	-	-	-
Renal disease	M	405	2	34	5.8	0.1	2.3	-	-	0.3	-	-	0.3	-
	F	351	1	32	3.3	0.1	2.0	-	-	0.4	-	-	-	-
Pregnancy, birth	F	4	3	1	0.1	0.1	0.0	-	-	-	-	-	0.3	0.6
Congenital and perinatal causes	M	219	161	32	6.3	9.5	1.8	60.0	1.3	0.7	1.2	0.8	1.3	1.2
	F	190	135	28	5.4	8.2	1.5	48.1	2.4	1.1	0.8	1.2	1.7	2.2
Ill-defined causes	M	891	42	202	14.4	2.4	11.9	11.8	-	-	0.8	1.5	2.0	0.6
	F	1646	26	95	14.2	1.6	5.6	7.6	-	1.1	-	2.0	-	0.3
Other medical causes	M	4392	127	943	69.0	6.3	54.4	7.2	2.3	3.1	2.7	8.0	9.7	11.4
	F	6277	59	576	58.5	3.1	34.6	2.2	2.4	1.4	1.6	4.7	4.8	4.2
ALL NON-MEDICAL CAUSES	M	2700	535	1155	52.8	26.7	61.5	4.2	3.2	4.4	33.5	55.4	44.9	41.2
	F	1567	146	454	21.7	7.7	24.4	1.3	0.3	4.7	14.6	11.1	11.0	10.6
Road traffic accidents	M	412	171	157	9.0	8.7	8.1	0.8	1.0	1.7	17.3	19.0	12.0	9.2
	F	138	42	48	2.7	2.2	2.6	-	-	2.9	4.1	4.4	1.7	2.6
Fire	M	54	8	30	1.1	0.4	1.7	0.4	0.3	-	0.8	-	1.0	0.3
	F	36	2	14	0.5	0.1	0.8	-	-	0.4	0.4	-	-	-
Suicide	M	802	178	444	16.7	8.7	23.3	-	-	0.3	8.1	15.9	16.6	19.7
	F	328	57	202	6.7	3.0	10.6	-	-	0.4	6.5	4.0	5.5	4.5
Homicide	M	55	25	29	1.3	1.3	1.5	-	0.3	0.3	1.9	3.0	1.7	1.5
	F	35	10	18	0.7	0.5	1.0	0.4	-	0.7	0.4	0.4	0.7	1.0
POPULATION:			M=male		4392.2	1988.5	1932.1	236.8	307.8	294.4	259.9	263.7	300.4	325.5
(1000s; UN, 2004 revision)			F=female		4485.2	1899.0	1905.8	224.6	293.1	279.3	246.0	252.8	291.8	311.4

## 2000: SWEDEN

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
98.5	152.9	260.5	404.9	630.6	1089.1	1831.9	3157.1	5343.8	13496.1	M	ALL CAUSES	001-999/A00-Y89
65.7	93.4	169.9	272.2	450.3	685.1	1047.1	1752.9	3169.5	10849.6	F		
-	-	-	-	-	-	0.5	3.0	8.7	10.9	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.6	1.3	2.4	0.6	1.0	0.5	0.5	2.5	5.6	4.9	F		
0.7	-	-	-	-	-	0.5	-	-	-	M	HIV	279.5, 279.6/B20-B24
0.6	1.3	2.0	4.0	5.2	8.3	12.6	22.8	57.0	140.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.7	1.0	0.7	1.9	7.1	2.7	10.5	14.6	32.0	112.8	F		
12.8	28.1	58.2	121.5	209.2	408.3	628.0	1028.8	1471.2	2359.9	M	ALL CANCER	140-208/C00-C97
25.0	44.1	95.7	153.4	261.6	351.6	464.4	689.0	873.2	1244.2	F		
0.3	0.3	1.3	2.7	7.6	9.7	8.2	18.6	14.7	19.9	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.0	1.6	1.8	6.8	4.0	8.1	7.1	13.4	F		
-	0.7	0.7	2.7	9.6	14.8	18.7	20.4	30.8	36.0	M	Oesophagus cancer	150/C15
-	-	1.4	0.3	1.4	5.4	4.5	6.0	10.7	15.8	F		
0.6	1.3	2.7	5.5	10.0	18.0	26.9	44.4	69.0	112.5	M	Stomach cancer	151/C16
-	1.7	2.1	3.1	8.5	11.3	15.5	18.1	30.9	56.2	F		
1.3	4.0	5.0	13.4	19.3	49.9	73.1	120.5	165.5	260.3	M	Colorectal cancer	153, 154/C18-C21
0.7	2.1	9.3	12.1	20.5	32.2	57.7	84.0	111.6	196.8	F		
-	0.3	1.3	3.7	6.2	8.8	13.7	25.8	41.6	49.5	M	Liver cancer	155.0/C22 excl C221
-	0.3	0.7	1.9	3.9	5.4	7.0	14.1	21.8	30.9	F		
0.3	1.7	2.7	11.3	17.9	27.7	49.5	61.8	88.5	111.8	M	Pancreas cancer	157/C25
1.0	1.0	3.5	9.0	18.7	27.2	36.6	57.9	81.2	97.7	F		
-	0.3	0.3	0.3	1.0	2.8	2.7	6.0	4.0	7.1	M	Larynx cancer	161/C32
-	-	-	0.3	-	1.8	0.5	1.0	1.0	2.1	F		
-	3.0	12.8	22.3	48.6	100.7	138.5	203.2	233.2	223.7	M	Lung cancer	162/C33, C34
1.3	4.2	12.8	24.0	46.7	66.7	84.8	103.2	104.5	80.8	F		
0.3	3.7	3.0	6.1	7.9	4.6	11.5	25.8	21.4	28.9	M	Malignant melanoma	172/C43
1.3	1.0	2.1	5.0	6.0	4.5	6.0	8.1	10.1	15.1	F		
10.5	18.4	31.4	37.0	57.3	65.3	54.7	91.1	92.3	157.1	F	Female breast cancer	174/C50
2.6	3.5	2.1	2.5	3.5	6.8	11.5	11.1	10.7	15.5	F	Cervix cancer	180/C53
0.3	0.3	1.4	3.4	4.9	5.9	15.0	33.2	28.9	41.5	F	Other uterine cancer	179, 182/C54, C55
1.3	3.5	7.9	21.8	27.2	33.1	35.6	43.8	56.3	43.6	F	Ovarian cancer	183/C56, C570-C574
0.3	-	0.7	5.5	11.4	43.0	94.0	199.6	392.8	812.3	M	Prostate cancer	185/C61
-	0.3	0.3	0.9	5.9	9.2	21.4	37.8	60.3	124.7	M	Bladder cancer	188/C67
-	-	0.7	1.6	1.4	3.2	3.0	10.6	20.3	37.9	F		
6.6	9.4	19.9	31.1	46.9	81.8	107.1	163.7	231.2	368.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
3.9	6.6	15.9	23.6	44.9	48.5	92.8	137.9	189.2	306.7	F		
0.3	0.3	-	-	-	2.3	2.2	0.6	1.3	3.9	M	Hodgkin's disease	201/C81
-	-	-	-	-	-	1.0	2.0	1.0	1.4	F		
0.9	1.0	4.7	8.9	11.0	22.6	37.9	64.7	73.1	126.6	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.7	0.3	2.1	4.4	7.4	16.8	25.1	42.3	60.9	83.6	F		
1.9	1.7	2.7	7.0	5.9	12.5	22.5	36.0	43.6	74.6	M	Leukaemia	204-208/C91-C95
1.3	1.0	1.4	1.9	7.4	10.4	9.0	16.6	34.5	48.1	F		
2.2	2.0	7.7	8.2	12.4	16.6	32.4	65.3	100.5	250.6	M	Diabetes	250/E10-E14
2.0	1.0	1.4	4.7	6.0	13.6	20.1	38.2	67.0	209.1	F		
13.1	28.8	76.1	128.2	225.4	407.9	796.7	1414.3	2546.2	7010.3	M	ALL VASCULAR DISEASE	390-459/I00-199
7.9	13.5	23.1	43.2	73.9	160.6	301.4	636.1	1428.7	5924.1	F		
-	-	-	-	-	1.4	1.6	3.6	9.4	17.4	M	Rheumatic heart disease and fever	390-398/I00-109
-	0.3	-	-	0.4	0.5	1.5	7.5	8.1	20.7	F		
-	0.3	1.0	0.6	1.7	4.2	7.1	18.6	31.5	99.0	M	Hypertensive disease	401-405/I10-I15
-	-	-	0.3	0.4	2.7	6.0	10.6	28.9	126.8	F		
5.6	14.4	45.4	84.9	149.6	263.7	487.4	840.5	1333.1	3335.5	M	Ischaemic heart disease	410-414/I20-I25
1.3	4.2	10.7	19.0	33.2	85.3	153.0	314.0	638.8	2315.2	F		
0.9	0.3	0.7	2.7	6.5	13.4	19.8	27.0	51.6	100.9	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.3	2.1	2.8	2.8	4.2	7.7	12.5	27.7	47.2	104.4	F		
2.5	3.7	11.1	20.2	31.4	60.0	135.2	272.2	553.6	1506.4	M	Cerebrovascular disease	430-438/I60-I69
3.0	4.2	6.6	11.5	20.5	43.6	73.7	154.5	392.2	1586.8	F		
4.1	10.0	17.8	19.8	36.2	65.1	145.6	252.4	567.0	1951.2	M	Other vascular disease	Rest of 390-459/ rest of I00-199
2.3	2.8	3.1	9.6	15.2	20.9	54.7	121.8	313.5	1770.2	F		
0.6	0.3	1.3	4.3	7.9	23.6	53.3	117.5	203.1	429.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.7	1.0	1.0	6.5	8.8	25.0	65.7	80.5	123.3	184.5	F		
2.2	3.0	4.4	8.2	7.6	18.0	37.9	76.1	195.7	859.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.0	2.8	4.1	7.2	8.1	7.3	15.5	39.3	92.3	648.3	F		
0.3	-	1.0	2.4	3.1	5.1	10.4	12.6	29.5	61.7	M	Peptic ulcer	531-533/K25-K27
-	-	0.7	1.2	1.8	3.6	4.0	6.5	13.7	56.6	F		
-	3.0	8.1	11.9	20.0	18.0	23.6	26.4	24.8	15.4	M	Liver cirrhosis	571/K70, K74
0.3	0.7	3.5	6.8	5.3	18.1	10.5	16.1	13.2	7.0	F		
-	-	0.3	0.9	2.1	3.2	9.3	22.8	53.6	161.3	M	Renal disease	580-590/N00-N19
-	-	0.3	1.6	2.5	2.3	7.0	13.1	24.4	85.7	F		
-	-	-	0.3	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
0.3	0.7	0.7	1.8	2.8	3.7	2.7	6.0	3.4	7.1	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
0.7	-	1.0	2.5	2.1	3.2	1.0	3.5	3.6	4.6	F		
2.5	3.7	7.1	7.6	14.8	19.9	28.0	39.0	53.6	322.6	M	Ill-defined causes	780-799/R00-R99
0.7	0.3	3.1	4.0	6.0	12.3	13.0	16.6	44.6	493.3	F		
18.8	25.1	32.3	47.9	53.1	88.2	115.4	213.4	449.1	1475.6	M	Other medical causes	Rest of 001-799/ rest of A00-R99
5.3	9.4	15.5	17.4	38.2	56.7	99.8	157.5	385.6	1605.4	F		
44.4	55.5	58.9	57.1	66.2	67.9	80.2	109.1	147.5	390.7	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
21.0	19.5	19.7	21.5	29.0	27.2	33.1	39.3	62.4	269.1	F		
6.6	10.0	9.8	7.3	7.6	9.2	6.0	15.0	20.1	18.6	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
3.3	1.7	2.8	1.6	1.8	5.0	2.0	5.0	9.1	7.0	F		
0.6	1.0	1.0	1.5	2.1	2.8	2.7	4.2	0.7	5.1	M	Fire	E890-E899/X00-X09
-	0.3	0.3	0.9	1.1	1.4	1.5	1.5	1.5	4.9	F		
20.6	21.7	23.9	22.3	24.8	19.9	29.7	31.2	38.2	45.6	M	Suicide	E950-E959/X60-X84
10.8	10.1	9.7	10.3	13.1	10.0	10.0	10.1	9.1	10.9	F		
1.3	2.0	1.3	1.5	1.0	1.8	1.6	-	-	0.6	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.0	2.1	0.3	0.9	-	0.9	1.5	0.5	1.5	1.1	F		
319.9	298.9	297.1	327.5	290.2	216.5	182.0	166.8	149.2	155.6	M	POPULATION	
304.3	287.9	289.5	321.4	282.9	220.4	199.4	198.7	197.1	284.6	F	(1000s; UN, 2004 revision)	

<b>SWEDEN: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical	
<b>1995</b>												
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-	
0-34 Total	1197	116	4	3	109	4	11	71	3	428	564	
35-69 Sm.	1774	865	627	74	164	109	24	578	-	198	-	
35-69 Total	11486 (15%)	3417 (25%)	761 (82%)	182 (41%)	2474 (7%)	188 (58%)	180 (13%)	4569 (13%)	250	1534 (13%)	1348	
70+ Sm.	3313	1306	857	84	365	613	113	1037	-	244	-	
70+ Total	34745 (10%)	7206 (18%)	1051 (82%)	211 (40%)	5944 (6%)	1120 (55%)	2227 (5%)	18737 (6%)	104	4491 (5%)	860	
Any age Sm.	5087	2171	1484	158	529	722	137	1615	-	442	-	
Any age Total	47428 (11%)	10739 (20%)	1816 (82%)	396 (40%)	8527 (6%)	1312 (55%)	2418 (6%)	23377 (7%)	357	6453 (7%)	2772	
<b>2000</b>												
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-	
0-34 Total	1077	120	0	8	112	4	15	50	1	352	535	
35-69 Sm.	1532	801	587	73	141	105	21	426	-	179	-	
35-69 Total	10394 (15%)	3330 (24%)	731 (80%)	197 (37%)	2402 (6%)	192 (55%)	186 (11%)	3761 (11%)	212	1558 (11%)	1155	
70+ Sm.	3146	1297	836	96	365	620	84	869	-	276	-	
70+ Total	34239 (9%)	7583 (17%)	1035 (81%)	247 (39%)	6301 (6%)	1168 (53%)	1757 (5%)	17066 (5%)	105	5550 (5%)	1010	
Any age Sm.	4678	2098	1423	169	506	725	105	1295	-	455	-	
Any age Total	45710 (10%)	11033 (19%)	1766 (81%)	452 (37%)	8815 (6%)	1364 (53%)	1958 (5%)	20877 (6%)	318	7460 (6%)	2700	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	4361.2	2052.7	1844.7	300.7	300.6	333.6	299.0	226.4	195.7	188.7	183.8	136.6	143.4
2000	4392.2	1988.5	1932.1	319.9	298.9	297.1	327.5	290.2	216.5	182.0	166.8	149.2	155.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	47428	1197	11486	365	595	980	1360	1660	2500	4026	6534	8298	19913
2000	45710	1077	10394	315	457	774	1326	1830	2358	3334	5266	7973	21000
<b>Lung cancer</b>													
1995	1816	4	761	4	16	41	84	113	197	306	371	340	340
2000	1766	-	731	-	9	38	73	141	218	252	339	348	348
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	802.5*	56.5*	744.6*	121.4	197.9	293.8	454.8	733.2	1277.5	2133.5	3555.0	6074.7	13886.3
2000	729.2*	55.3*	638.3*	98.5	152.9	260.5	404.9	630.6	1089.1	1831.9	3157.1	5343.8	13496.1
<b>All cancer</b>													
1995	189.3*	5.5*	227.4*	14.6	33.9	66.2	134.4	223.1	431.8	687.9	1079.4	1484.6	2227.3
2000	183.9*	5.9*	209.5*	12.8	28.1	58.2	121.5	209.2	408.3	628.0	1028.8	1471.2	2359.9
<b>Lung cancer</b>													
1995	33.7*	0.2*	51.4*	1.3	5.3	12.3	28.1	49.9	100.7	162.2	201.8	248.9	237.1
2000	31.4*	-	46.5*	-	3.0	12.8	22.3	48.6	100.7	138.5	203.2	233.2	223.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	7.5*	0.1*	11.9*	0.3	1.7	3.0	10.4	13.7	21.0	33.4	41.3	42.5	53.7
2000	8.1*	0.4*	12.1*	0.3	1.3	2.4	5.8	18.3	27.3	29.7	45.0	49.6	63.0
<b>Other cancer</b>													
1995	148.1*	5.2*	164.1*	13.0	26.9	51.0	96.0	159.5	310.2	492.3	836.2	1193.3	1936.5
2000	144.4*	5.5*	150.8*	12.5	23.8	43.1	93.4	142.3	280.4	459.9	780.6	1188.3	2073.3
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	20.8*	0.2*	13.3*	0.7	1.0	0.9	3.3	10.6	24.5	51.9	125.1	207.9	422.6
2000	20.5*	0.2*	13.1*	0.6	0.3	1.3	4.3	7.9	23.6	53.3	117.5	203.1	429.9
<b>Other respiratory disease</b>													
1995	36.2*	0.5*	11.6*	1.7	3.3	4.2	7.0	15.5	18.4	31.3	83.2	288.4	1171.5
2000	27.9*	0.7*	11.6*	2.2	3.0	4.4	8.2	7.6	18.0	37.9	76.1	195.7	859.9
<b>Vascular disease</b>													
1995	380.2*	3.3*	308.8*	18.3	34.9	80.6	146.5	298.1	562.1	1021.2	1767.7	3247.4	7707.1
2000	317.8*	2.4*	239.4*	13.1	28.8	76.1	128.2	225.4	407.9	796.7	1414.3	2546.2	7010.3
<b>Liver cirrhosis</b>													
1995	7.5*	0.1*	15.0*	2.7	6.3	13.5	12.7	17.2	23.5	29.1	27.7	19.0	18.8
2000	6.3*	0.0*	12.1*	-	3.0	8.1	11.9	20.0	18.0	23.6	26.4	24.8	15.4
<b>Other medical causes</b>													
1995	111.3*	20.1*	94.3*	32.6	46.6	53.7	68.9	98.5	126.2	233.7	374.9	693.3	1990.9
2000	120.0*	19.3*	91.2*	25.3	34.1	53.5	73.6	94.4	145.5	212.1	384.9	755.4	2429.9
<b>All non-medical causes</b>													
1995	57.2*	26.7*	74.1*	50.9	71.9	74.6	81.9	70.2	91.0	78.4	96.8	134.0	348.0
2000	52.8*	26.7*	61.5*	44.4	55.5	58.9	57.1	66.2	67.9	80.2	109.1	147.5	390.7

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: SWEDEN

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	636	95	1	1	93	2	7	35	1	295	201
35-69	Sm.	944	448	364	24	60	131	16	230	-	119	-
	Total	6817	3447	512	61	2874	230	110	1616	128	812	474
		(14%)	(13%)	(71%)	(39%)	(2%)	(57%)	(15%)	(14%)		(15%)	
70+	Sm.	1855	477	355	43	79	385	73	698	-	222	-
	Total	38760	6424	566	145	5713	802	2440	21361	103	6756	874
		(5%)	(7%)	(63%)	(30%)	(1%)	(48%)	(3%)	(3%)		(3%)	
Any age	Sm.	2799	925	719	67	139	516	89	928	-	341	-
	Total	46213	9966	1079	207	8680	1034	2557	23012	232	7863	1549
		(6%)	(9%)	(67%)	(32%)	(2%)	(50%)	(3%)	(4%)		(4%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	490	75	1	0	74	2	6	27	1	233	146
35-69	Sm.	1068	518	423	31	64	147	18	232	-	153	-
	Total	6708	3414	578	72	2764	240	116	1433	111	940	454
		(16%)	(15%)	(73%)	(43%)	(2%)	(61%)	(16%)	(16%)		(16%)	
70+	Sm.	2441	605	442	56	107	511	84	871	-	370	-
	Total	40608	6631	641	156	5834	928	2105	20940	78	8959	967
		(6%)	(9%)	(69%)	(36%)	(2%)	(55%)	(4%)	(4%)		(4%)	
Any age	Sm.	3509	1123	865	87	171	658	102	1103	-	523	-
	Total	47806	10120	1220	228	8672	1170	2227	22400	190	10132	1567
		(7%)	(11%)	(71%)	(38%)	(2%)	(56%)	(5%)	(5%)		(5%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	4465.8	1953.5	1836.1	287.4	290.3	324.2	287.6	226.1	207.6	212.9	222.5	185.7	268.0
2000	4485.2	1899.0	1905.8	304.3	287.9	289.5	321.4	282.9	220.4	199.4	198.7	197.1	284.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	46213	636	6817	177	322	587	840	972	1502	2417	4123	6398	28239
2000	47806	490	6708	200	269	492	875	1274	1510	2088	3483	6247	30878
<b>Lung cancer</b>													
1995	1079	1	512	3	6	55	78	95	129	146	193	161	212
2000	1220	1	578	4	12	37	77	132	147	169	205	206	230
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	504.0*	31.6*	419.2*	61.6	110.9	181.1	292.1	429.9	723.5	1135.3	1853.0	3445.3	10536.9
2000	492.0*	26.9*	397.7*	65.7	93.4	169.9	272.2	450.3	685.1	1047.1	1752.9	3169.5	10849.6
<b>All cancer</b>													
1995	142.2*	4.6*	211.9*	19.8	49.6	95.0	158.2	248.6	382.5	529.4	650.8	885.8	1242.9
2000	139.0*	3.8*	199.4*	25.0	44.1	95.7	153.4	261.6	351.6	464.4	689.0	873.2	1244.2
<b>Lung cancer</b>													
1995	17.6*	0.0*	31.4*	1.0	2.1	17.0	27.1	42.0	62.1	68.6	86.7	86.7	79.1
2000	19.3*	0.1*	34.3*	1.3	4.2	12.8	24.0	46.7	66.7	84.8	103.2	104.5	80.8
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.8*	0.0*	3.7*	0.7	0.7	1.2	3.5	3.5	6.7	9.9	13.5	20.5	28.7
2000	3.0*	-	4.4*	-	-	2.4	2.2	3.2	14.1	9.0	15.1	18.8	31.3
<b>Other cancer</b>													
1995	121.8*	4.5*	176.7*	18.1	46.8	76.8	127.6	203.0	313.6	450.9	550.6	778.7	1135.1
2000	116.7*	3.8*	160.7*	23.7	39.9	80.5	127.3	211.7	270.9	370.6	570.7	749.9	1132.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	12.7*	0.1*	14.8*	0.3	1.4	2.8	5.9	15.5	27.5	50.3	73.7	101.8	167.5
2000	13.7*	0.1*	15.5*	0.7	1.0	1.0	6.5	8.8	25.0	65.7	80.5	123.3	184.5
<b>Other respiratory disease</b>													
1995	22.3*	0.3*	6.7*	0.3	1.7	4.3	5.2	6.2	12.0	16.9	38.2	155.1	771.3
2000	18.7*	0.3*	6.6*	1.0	2.8	4.1	7.2	8.1	7.3	15.5	39.3	92.3	648.3
<b>Vascular disease</b>													
1995	216.3*	1.7*	102.9*	8.7	12.4	28.7	44.2	80.9	186.4	359.3	780.2	1703.8	6142.2
2000	197.5*	1.4*	89.1*	7.9	13.5	23.1	43.2	73.9	160.6	301.4	636.1	1428.7	5924.1
<b>Liver cirrhosis</b>													
1995	4.0*	0.0*	7.7*	0.7	2.8	4.3	7.0	11.9	12.0	15.0	14.4	15.6	15.7
2000	3.4*	0.1*	6.5*	0.3	0.7	3.5	6.8	5.3	18.1	10.5	16.1	13.2	7.0
<b>Other medical causes</b>													
1995	82.9*	14.7*	49.1*	11.5	17.9	23.4	40.7	41.1	74.2	134.8	256.6	505.7	1957.5
2000	98.1*	13.5*	56.2*	9.9	11.8	22.8	33.6	63.6	95.3	156.5	252.6	576.4	2572.4
<b>All non-medical causes</b>													
1995	23.6*	10.1*	26.1*	20.2	25.1	22.5	30.9	25.7	28.9	29.6	39.1	77.5	239.9
2000	21.7*	7.7*	24.4*	21.0	19.5	19.7	21.5	29.0	27.2	33.1	39.3	62.4	269.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>SWEDEN: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.1	– / 0.5	–
35–69	1.5 / 10	1.1 / 6.7	22 years
70+	3.1 / 34	2.4 / 41	8 years
<b>All ages</b>	<b>4.7 / 46</b>	<b>3.5 / 48</b>	<b>12 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

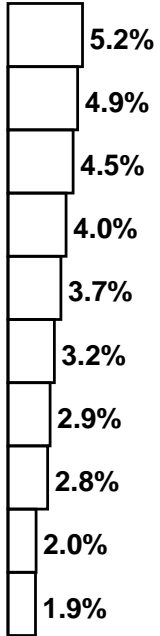
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.6/0.7	0.8/1.0	1.4/1.8	–/0.0	0.4/0.6	0.4/0.6	0.9/1.2
All Cancer	–/0.1	0.8/3.3 (24%)	1.3/7.6 (17%)	2.1/11	–/0.1	0.5/3.4 (15%)	0.6/6.6 (9%)	1.1/10
Vascular	–/0.1	0.4/3.8	0.9/17	1.3/21	–/0.0	0.2/1.4	0.9/21	1.1/22
Respiratory	–/0.0	0.1/0.4	0.7/2.9	0.8/3.3	–/0.0	0.2/0.4	0.6/3.0	0.8/3.4
All Other	–/0.9	0.2/2.9	0.3/6.7	0.5/10	–/0.4	0.2/1.5	0.4/10	0.5/12
<b>All Causes</b>	<b>–/1.1</b>	<b>1.5/10 (15%)</b>	<b>3.1/34 (9%)</b>	<b>4.7/46</b>	<b>–/0.5</b>	<b>1.1/6.7 (16%)</b>	<b>2.4/41 (6%)</b>	<b>3.5/48</b>

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	2.1 / 11 (19%)	1.1 / 10 (11%)	3.2 / 21 (15%)
All Causes	4.7 / 46 (10%)	3.5 / 48 (7%)	8.2 / 94 (9%)

1955-2000: SWEDEN

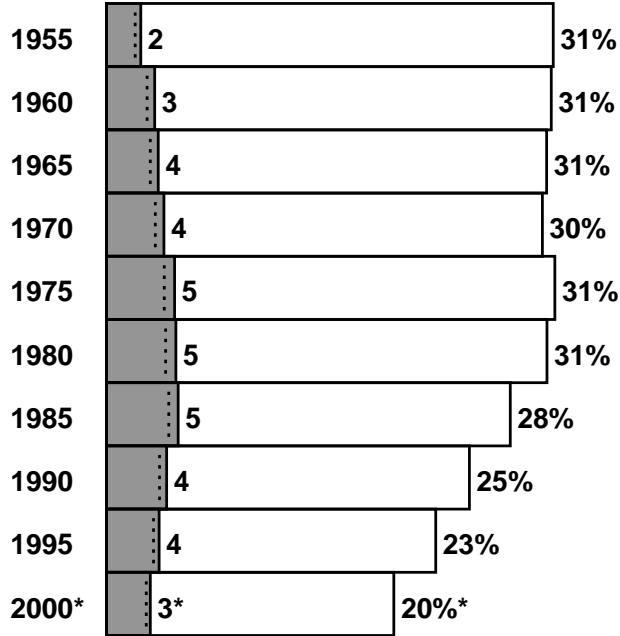
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

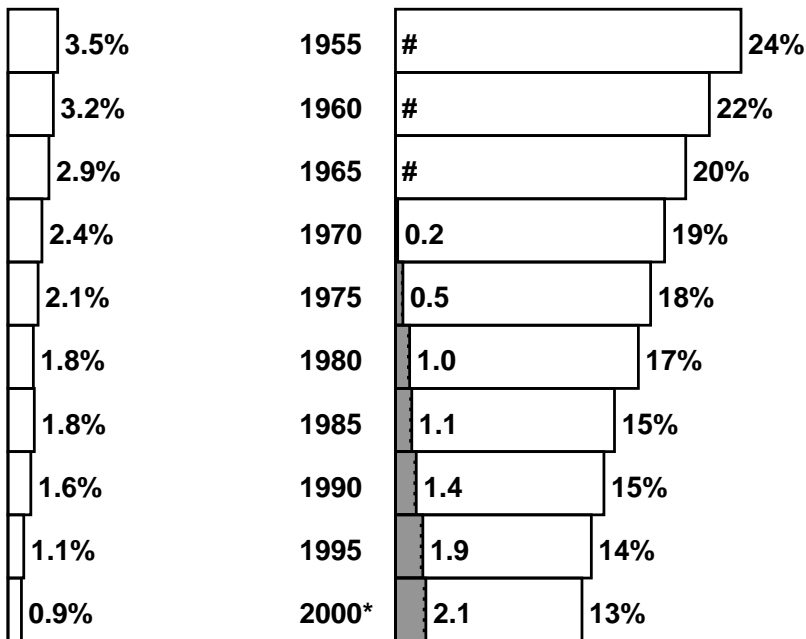
\*eg, at year 2000 male death rates, out of 100 men aged 35, 20 would die before age 70 (with 3 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

<b>SWEDEN: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/2.8	1.1/13 <b>( 8%)</b>	0.4/19 <b>( 2%)</b>	1.5/36	-/1.8	0.0/11	0.0/21	0.0/33
1960	-/2.5	1.6/14 <b>(11%)</b>	0.7/23 <b>( 3%)</b>	2.3/40	-/1.6	0.0/10	0.0/24	0.0/36
1965	-/2.6	1.8/15 <b>(12%)</b>	1.2/24 <b>( 5%)</b>	3.0/42	-/1.5	0.0/10	0.0/25	0.0/36
1970	-/2.4	2.1/16 <b>(13%)</b>	1.9/25 <b>( 7%)</b>	4.0/43	-/1.3	0.1/9.7 <b>(0.8%)</b>	0.3/26 <b>( 1%)</b>	0.4/37
1975	-/2.2	2.6/17 <b>(15%)</b>	2.9/29 <b>(10%)</b>	5.5/48	-/1.2	0.3/9.4 <b>( 3%)</b>	0.6/29 <b>( 2%)</b>	0.9/40
1980	-/1.9	2.6/16 <b>(16%)</b>	3.4/31 <b>(11%)</b>	6.0/50	-/1.0	0.5/8.8 <b>( 6%)</b>	0.8/32 <b>( 2%)</b>	1.3/42
1985	-/1.6	2.6/15 <b>(18%)</b>	3.1/34 <b>( 9%)</b>	5.7/50	-/0.9	0.6/7.9 <b>( 7%)</b>	0.6/35 <b>( 2%)</b>	1.2/44
1990	-/1.6	2.1/13 <b>(16%)</b>	3.2/34 <b>( 9%)</b>	5.3/49	-/0.9	0.7/7.5 <b>(10%)</b>	1.3/38 <b>( 3%)</b>	2.0/46
1995	-/1.2	1.8/11 <b>(15%)</b>	3.3/35 <b>(10%)</b>	5.1/47	-/0.6	0.9/6.8 <b>(14%)</b>	1.9/39 <b>( 5%)</b>	2.8/46
2000	-/1.1	1.5/10 <b>(15%)</b>	3.1/34 <b>( 9%)</b>	4.7/46	-/0.5	1.1/6.7 <b>(16%)</b>	2.4/41 <b>( 6%)</b>	3.5/48

**50-year total\* (thousands), mid-1950 to mid-2000: 257 / 4227**

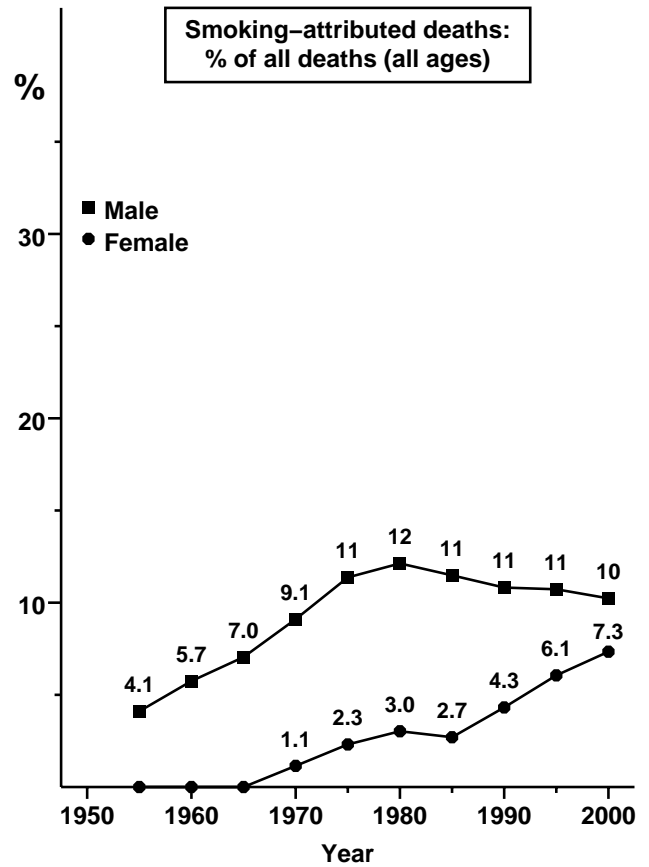
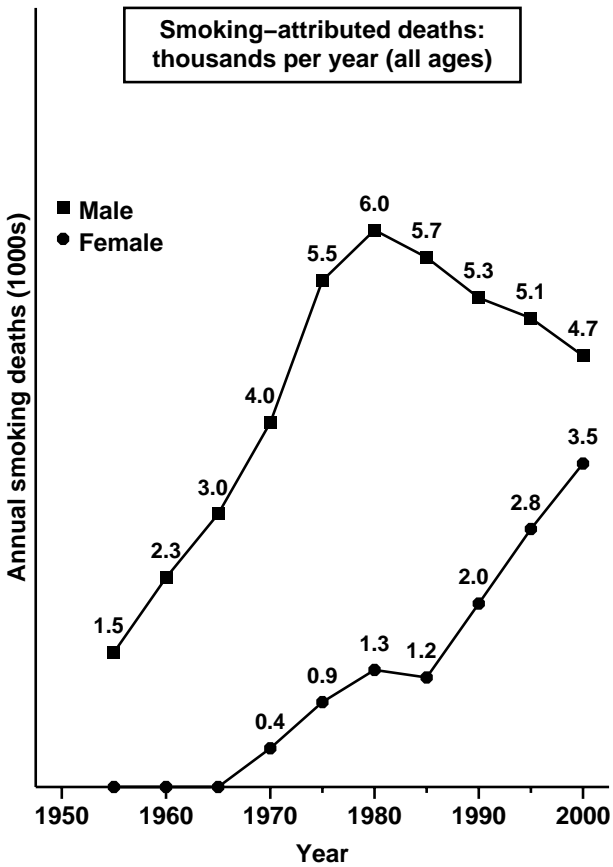
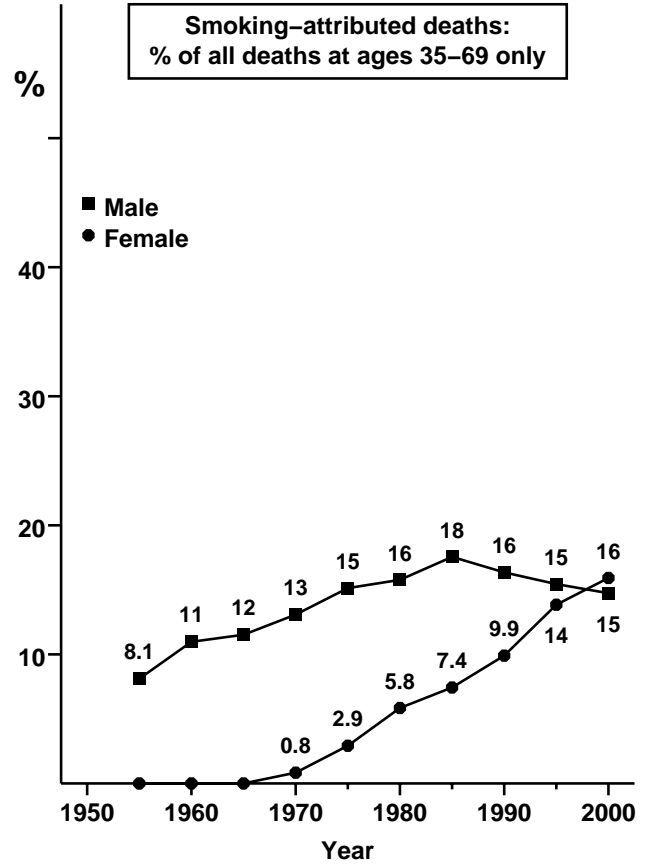
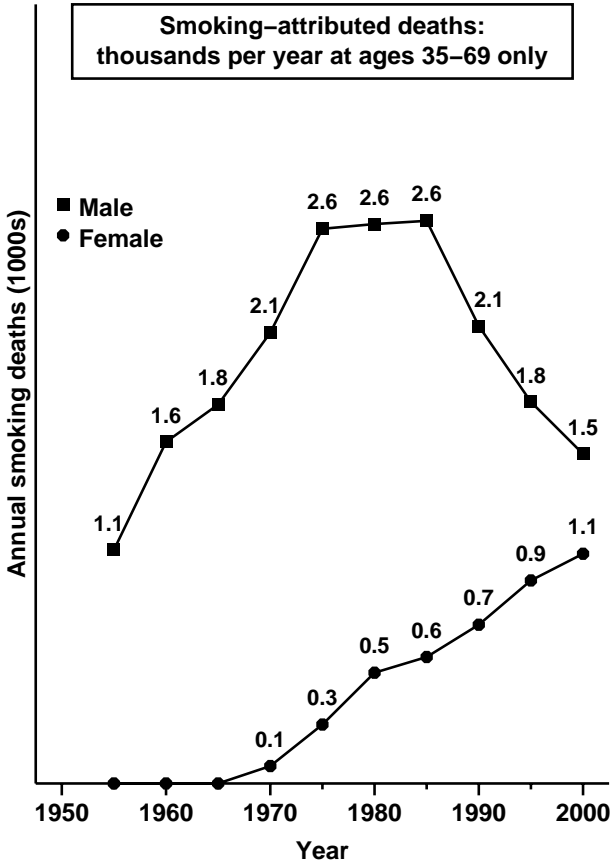
**1950-2000 by age & sex:**

-/104	98/721 <b>(14%)</b>	109/1408 <b>( 8%)</b>	207/2234	-/61	18/447 <b>( 4%)</b>	31/1485 <b>( 2%)</b>	49/1993
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

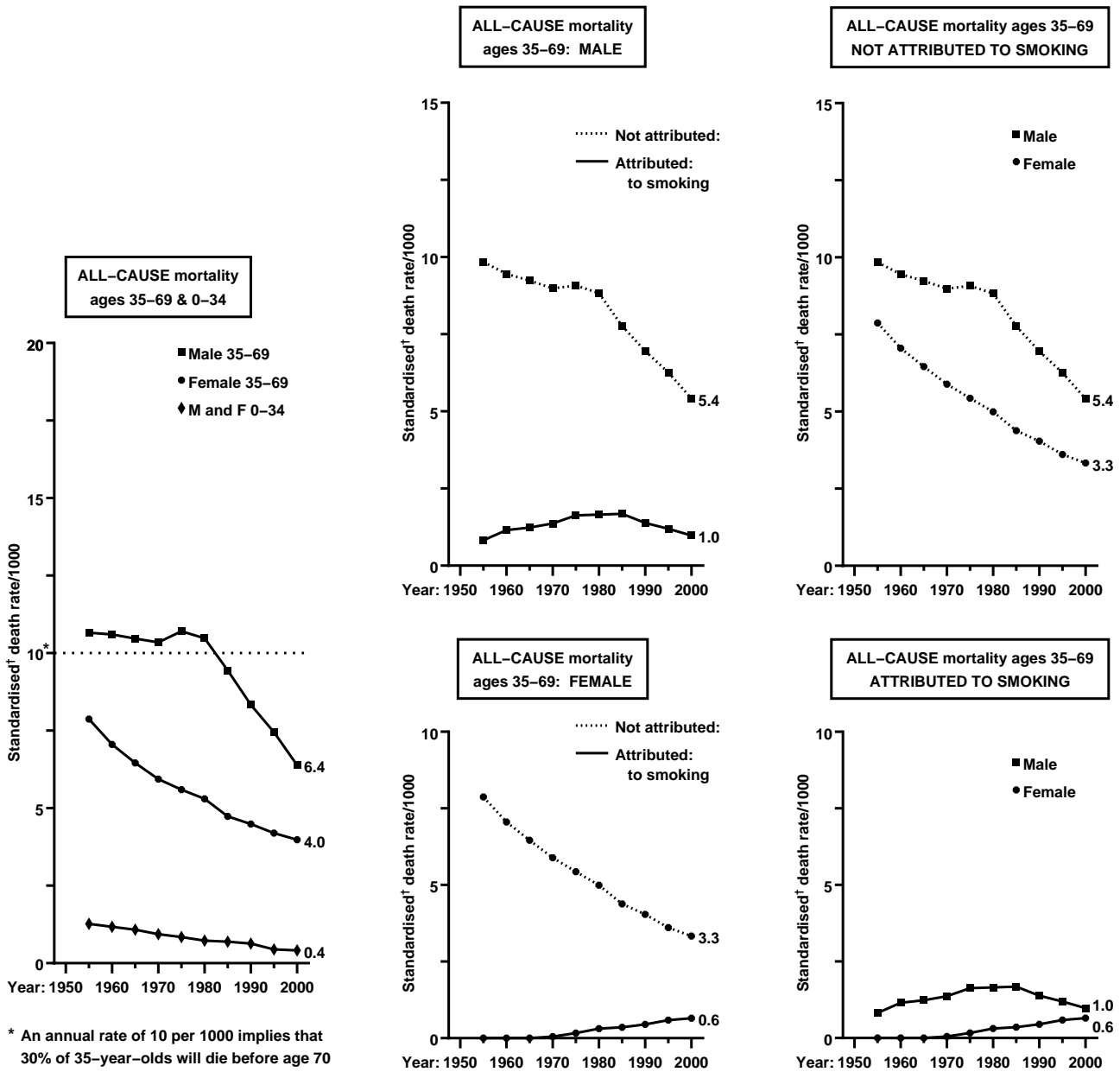


1955-2000: SWEDEN



**SWEDEN: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**

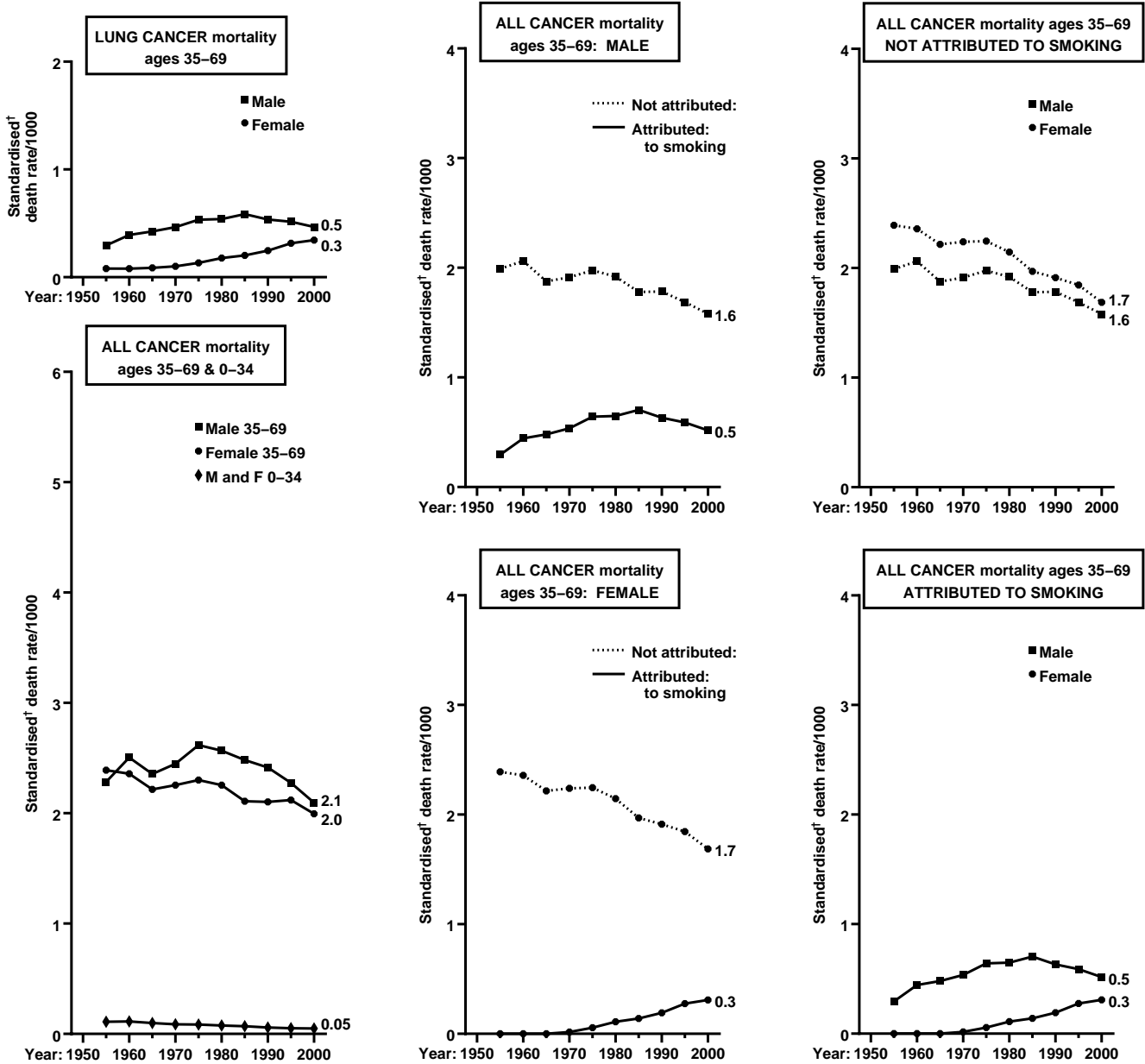


Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	1.52	0.82	9.84	1.52	63.0	-	1.01	0.00	7.87	0.00	54.9	-	1.01	0.00	53.0		
1960	-	1.42	1.15	9.45	2.41	63.5	-	0.92	0.00	7.05	0.00	47.6	-	0.83	0.00	47.6		
1965	-	1.33	1.23	9.23	3.93	61.8	-	0.83	0.00	6.46	0.00	41.2	-	0.68	0.05	5.88		
1970	-	1.18	1.36	8.98	5.41	56.1	-	0.68	0.16	5.43	1.01	38.6	-	0.61	0.31	4.99		
1975	-	1.07	1.63	9.08	7.41	56.8	-	0.61	0.31	4.99	1.00	34.2	-	0.51	0.35	4.38		
1980	-	0.94	1.65	8.82	7.53	53.4	-	0.51	0.45	4.04	1.45	28.1	-	0.53	0.59	3.61		
1985	-	0.85	1.68	7.76	6.04	50.0	-	0.53	0.45	4.04	1.45	28.1	-	0.46	0.59	3.61		
1990	-	0.80	1.38	6.95	5.94	48.2	-	0.46	0.59	3.61	1.95	24.5	-	0.32	0.65	3.33		
1995	-	0.56	1.19	6.26	5.57	42.6	-	0.32	0.65	3.33	2.40	22.2	-	0.27	0.65	3.33		
2000	-	0.55	0.97	5.41	5.04	37.5	-	0.27	0.65	3.33	2.40	22.2	-	0.27	0.65	3.33		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: SWEDEN

ALL CANCER mortality rates attributed and not attributed to smoking



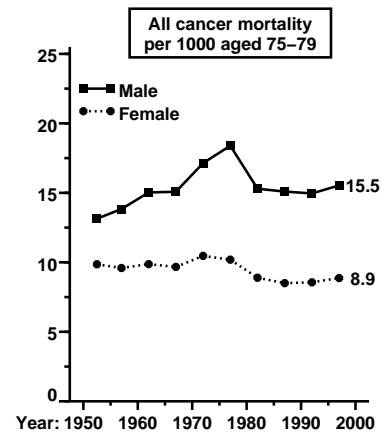
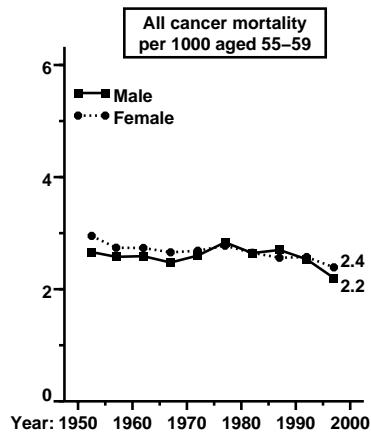
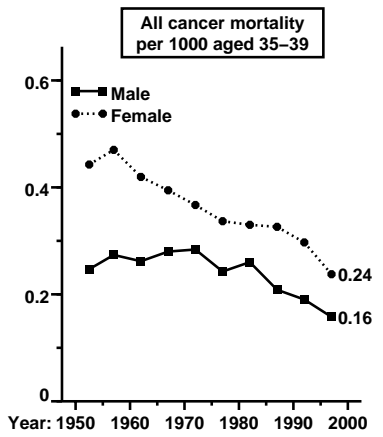
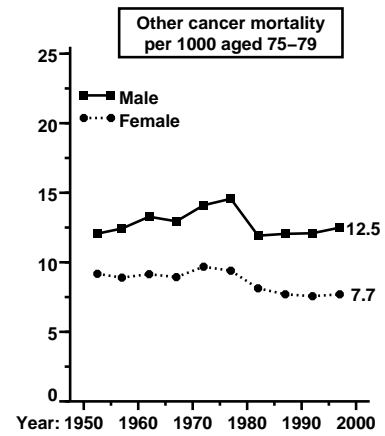
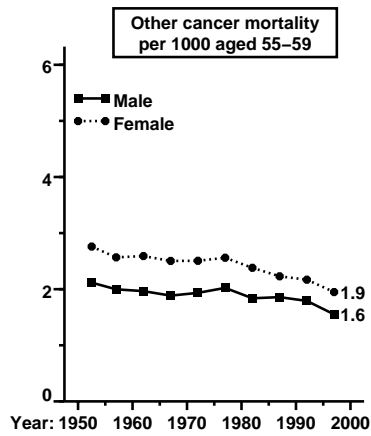
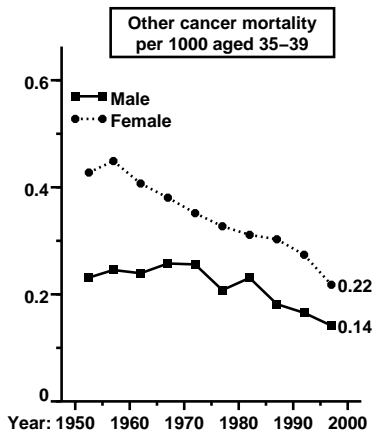
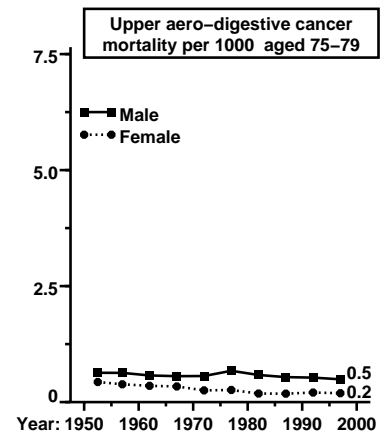
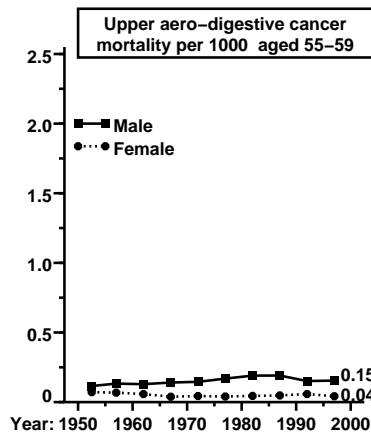
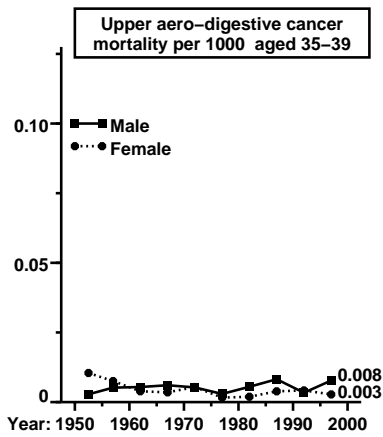
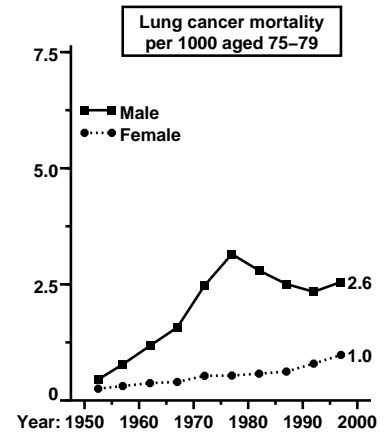
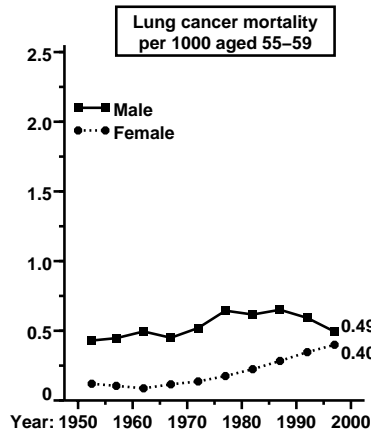
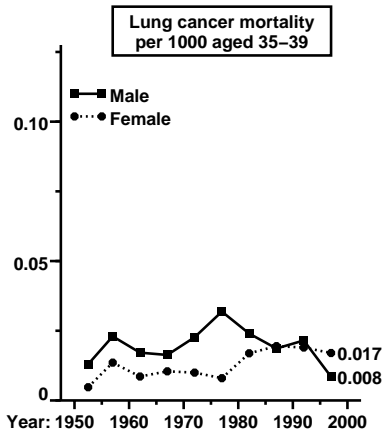
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	-	0.11	0.29	1.99	0.62	11.0	-	0.11	0.00	2.39	0.00	8.38	-	8.78
1960	-	0.11	0.44	2.06	0.99	11.6	-	0.11	0.00	2.36	0.00	8.25	-	8.15
1965	-	0.11	0.48	1.88	1.60	11.5	-	0.09	0.00	2.22	0.00	8.15	-	8.64
1970	-	0.09	0.53	1.91	2.27	10.7	-	0.08	0.02	2.24	0.18	8.10	-	8.10
1975	-	0.09	0.64	1.98	3.17	12.0	-	0.08	0.06	2.24	0.32	7.33	-	7.30
1980	-	0.08	0.65	1.92	3.22	10.9	-	0.07	0.11	2.14	0.31	6.97	-	6.88
1985	-	0.07	0.70	1.78	2.61	10.2	-	0.07	0.14	1.97	0.24	6.97	-	6.88
1990	-	0.06	0.63	1.78	2.69	10.5	-	0.06	0.19	1.91	0.51	6.97	-	6.88
1995	-	0.06	0.59	1.69	2.64	10.2	-	0.05	0.27	1.84	0.71	6.88	-	6.88
2000	-	0.06	0.52	1.58	2.54	9.96	-	0.04	0.31	1.69	0.93	6.88	-	6.88

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**SWEDEN: 1951-2000**

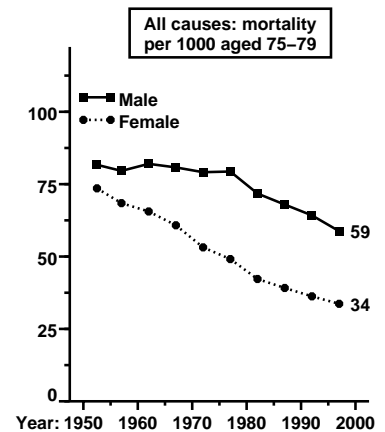
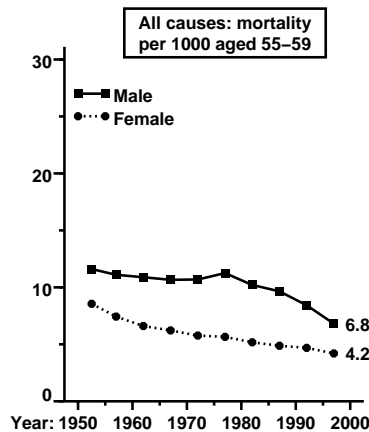
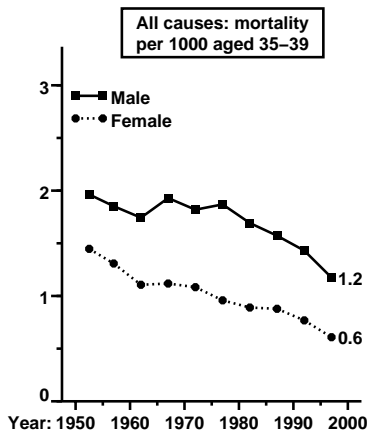
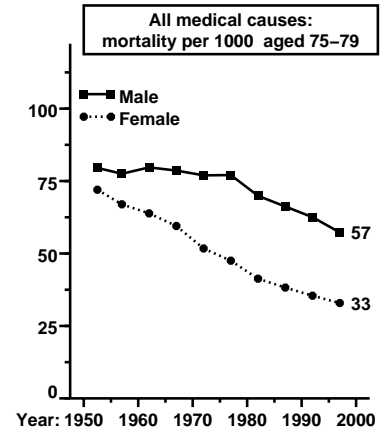
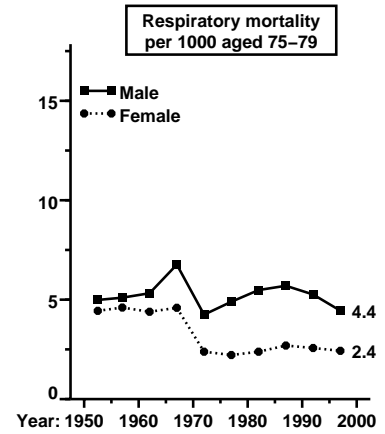
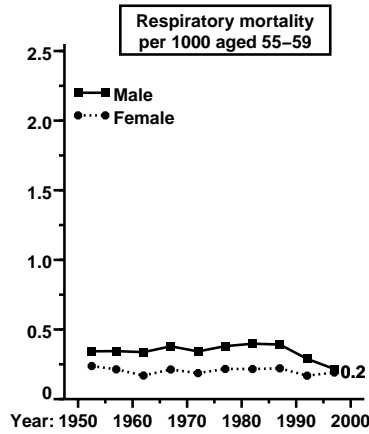
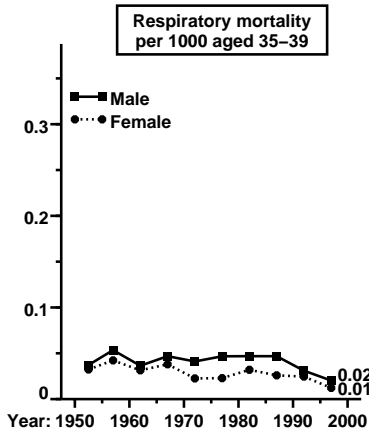
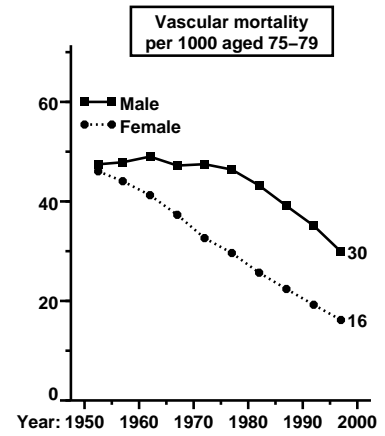
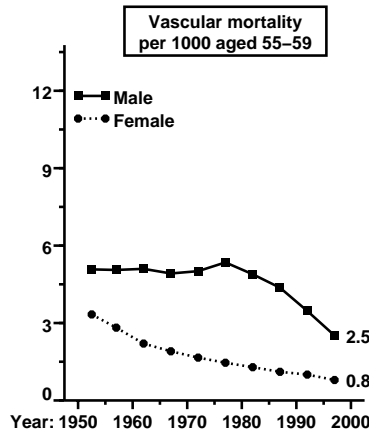
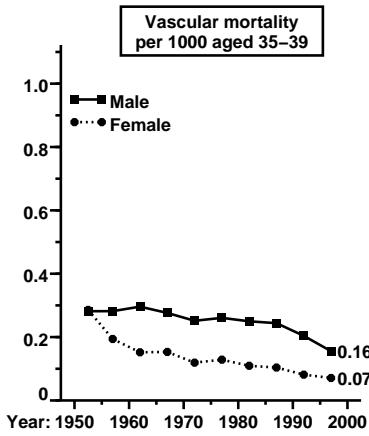
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 458-459

1951-2000: SWEDEN

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 458-459

<b>SWITZERLAND: 2000</b>
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		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	30411	1200	8783	744.3	76.2	686.3	127.2	13.9	19.7	55.6	106.3	110.9	99.7
	F	32134	566	4937	466.9	36.8	348.1	101.4	7.6	13.4	22.9	33.0	40.0	39.5
Tuberculosis	M	22	-	3	0.5	-	0.2	-	-	-	-	-	-	-
	F	11	-	3	0.2	-	0.2	-	-	-	-	-	-	-
HIV	M	86	18	65	2.2	1.0	3.6	-	-	-	-	-	2.2	4.6
	F	49	12	37	1.3	0.7	2.0	-	-	-	0.5	0.5	2.9	1.0
Other infective and parasitic	M	230	15	80	5.8	1.0	5.9	3.0	-	0.9	-	1.0	0.9	1.1
	F	315	12	50	4.9	0.8	3.7	3.1	-	0.5	-	1.0	0.4	0.7
ALL CANCER	M	8575	82	3296	215.8	5.1	266.2	2.5	2.7	4.1	3.8	7.9	5.3	9.1
	F	6934	82	2507	126.9	4.9	176.1	1.6	2.8	2.9	2.9	5.3	11.1	8.0
Mouth and pharynx cancer	M	275	3	179	7.4	0.2	13.4	0.5	-	-	-	0.5	-	0.4
	F	91	-	48	1.9	-	3.4	-	-	-	-	-	-	-
Oesophagus cancer	M	289	-	150	7.5	-	11.9	-	-	-	-	-	-	-
	F	95	-	29	1.6	-	2.0	-	-	-	-	-	-	-
Stomach cancer	M	343	3	122	8.5	0.2	9.4	-	-	-	-	-	-	1.1
	F	232	6	63	3.9	0.3	4.5	-	-	-	-	-	1.7	0.7
Colorectal cancer	M	929	2	309	23.0	0.1	25.4	-	-	-	-	-	0.4	0.4
	F	791	1	224	13.2	0.1	16.3	-	-	-	-	0.5	-	-
Liver cancer	M	345	1	157	8.9	0.1	13.1	-	-	-	-	-	-	0.4
	F	156	-	44	2.8	-	3.1	-	-	-	-	-	-	-
Pancreas cancer	M	401	2	176	10.3	0.1	14.2	-	-	-	-	-	-	0.7
	F	465	2	132	7.9	0.1	9.8	-	-	-	-	-	0.4	0.3
Larynx cancer	M	87	-	45	2.3	-	3.5	-	-	-	-	-	-	-
	F	17	-	7	0.3	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	2044	3	976	53.0	0.2	79.3	-	-	-	-	0.5	-	0.7
	F	781	4	387	15.9	0.2	27.5	-	-	-	-	-	0.8	0.7
Malignant melanoma	M	141	3	72	3.6	0.2	5.4	-	-	-	-	-	0.4	0.7
	F	98	7	38	1.9	0.4	2.5	-	-	-	-	0.5	1.7	0.7
Female breast cancer	F	1337	9	637	26.4	0.5	43.2	-	-	-	-	-	0.8	2.4
Cervix cancer	F	85	3	44	1.7	0.2	2.8	-	-	-	-	-	0.4	0.7
Other uterine cancer	F	204	-	63	3.5	-	4.4	-	-	-	-	-	-	-
Ovarian cancer	F	420	2	151	7.7	0.1	11.0	-	-	-	0.5	-	0.4	-
Prostate cancer	M	1307	-	189	30.4	-	17.2	-	-	-	-	-	-	-
Bladder cancer	M	280	-	74	6.8	-	6.3	-	-	-	-	-	-	-
	F	156	-	33	2.5	-	2.4	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	1486	46	606	37.7	2.9	47.8	2.0	1.3	1.8	2.9	5.4	3.1	3.9
	F	1380	34	414	24.4	2.2	29.1	1.6	1.4	1.4	2.4	3.8	2.5	2.1
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and non-Hodgkin lymphomas	M	399	2	146	10.0	0.1	11.9	-	-	-	-	0.5	-	0.4
	F	396	5	131	7.2	0.3	9.3	-	0.5	0.5	-	-	0.8	0.3
Leukaemia	M	249	17	95	6.4	1.1	7.3	-	1.3	2.3	1.0	1.0	1.3	0.7
	F	230	9	62	4.0	0.6	4.3	-	0.9	1.0	-	0.5	1.7	-
Diabetes	M	626	2	168	15.2	0.1	14.1	-	-	-	-	-	0.4	0.4
	F	932	-	100	12.5	-	7.6	-	-	-	-	-	-	-
ALL VASCULAR DISEASE	M	11011	46	2372	259.7	2.7	193.0	3.0	-	0.5	2.9	2.0	3.5	7.4
	F	13899	27	845	173.0	1.6	63.1	1.6	-	0.5	0.5	1.4	2.1	4.9
Rheumatic heart disease and fever	M	38	-	4	0.9	-	0.3	-	-	-	-	-	-	-
	F	97	-	7	1.2	-	0.6	-	-	-	-	-	-	-
Hypertensive disease	M	550	-	117	13.0	-	9.8	-	-	-	-	-	-	-
	F	1028	-	46	12.5	-	3.5	-	-	-	-	-	-	-
Ischaemic heart disease	M	5346	12	1291	127.3	0.6	105.5	-	-	-	-	0.5	0.9	3.2
	F	5360	2	341	66.9	0.1	26.0	-	-	-	-	-	-	0.7
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	1758	2	276	40.6	0.1	22.6	-	-	-	-	-	-	0.7
	F	2820	6	175	35.4	0.3	12.7	-	-	0.5	-	-	0.8	1.0
Other vascular disease, incl. venous	M	3319	32	684	77.9	2.0	54.8	3.0	-	0.5	2.9	1.5	2.6	3.5
	F	4594	19	276	56.9	1.1	20.3	1.6	-	-	0.5	1.4	1.2	3.1
Chronic obstructive pulmonary disease	M	1186	4	213	28.0	0.2	18.8	-	0.4	-	-	-	0.9	0.4
	F	687	-	98	10.1	-	7.3	-	-	-	-	-	-	-
Other respiratory disease	M	1231	7	146	28.0	0.5	12.2	0.5	-	0.5	0.5	0.5	0.9	0.4
	F	1521	8	90	18.8	0.5	6.5	1.6	-	0.5	0.5	-	-	1.0
Peptic ulcer	M	100	-	23	2.4	-	1.8	-	-	-	-	-	-	-
	F	145	-	14	2.0	-	1.1	-	-	-	-	-	-	-
Liver cirrhosis & other liver disease	M	459	2	304	12.2	0.1	22.3	0.5	-	-	-	-	-	0.4
	F	219	4	136	4.8	0.2	9.2	-	-	-	-	-	0.4	1.0
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth	F	5	4	1	0.1	0.2	0.1	-	-	-	-	-	0.8	0.7
Congenital and perinatal causes	M	233	192	25	8.4	13.4	1.7	83.3	0.9	1.8	1.0	3.0	2.2	1.4
	F	214	150	42	7.4	10.9	2.7	67.8	0.5	2.9	0.5	1.9	1.7	1.0
Ill-defined causes	M	1002	78	372	25.3	5.0	27.7	10.8	1.3	1.4	2.4	5.4	7.5	6.0
	F	1001	47	166	15.3	3.2	11.7	12.9	-	1.0	2.4	3.8	0.8	1.7
Other medical causes	M	3275	176	684	77.9	10.9	52.1	11.3	1.8	3.2	4.3	14.8	22.8	17.9
	F	4833	66	446	64.4	4.2	31.6	6.7	0.5	2.4	2.9	6.7	3.7	6.3
ALL NON-MEDICAL CAUSES	M	2375	578	1032	63.0	36.3	66.8	12.3	6.7	7.3	40.7	71.7	64.4	50.9
	F	1369	154	402	25.2	9.6	25.3	6.2	3.8	2.9	12.7	12.4	16.1	12.9
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	22	7	9	0.6	0.5	0.7	1.5	0.4	-	1.0	-	-	0.4
	F	14	1	7	0.3	0.1	0.4	-	-	-	-	0.5	-	-
Suicide	M	979	230	536	26.2	14.1	33.4	-	-	1.8	12.9	25.7	34.6	23.9
	F	399	68	220	9.3	4.0	13.7	-	-	0.5	3.9	5.7	9.5	8.4
Homicide	M	25	14	9	0.7	0.9	0.6	1.5	-	-	0.5	2.0	1.3	1.1
	F	32	16	13	0.9	1.0	0.7	1.6	-	1.0	0.5	1.9	0.4	1.7
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
					3480.6	1567.5	1614.8	202.9	222.5	218.1	208.8	202.3	228.1	284.8
					3686.9	1556.1	1661.3	193.3	210.6	209.1	205.4	209.2	242.4	286.1

## 2000: SWITZERLAND

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
117.8	175.5	275.9	452.4	714.3	1150.8	1917.5	3048.5	5340.1	12941.5	M	ALL CAUSES	001-999/A00-Y89
69.9	97.5	145.8	241.4	394.4	577.2	910.6	1568.6	2846.9	10802.0	F		
-	0.3	-	-	-	0.6	0.7	1.7	2.3	16.0	M	Tuberculosis	010-018/A15-A19
-	0.4	-	-	-	1.1	-	0.7	-	3.7	F		
7.2	4.9	4.9	1.7	3.7	1.2	1.4	1.7	-	1.1	M	HIV	279.5, 279.6/B20-B24
4.3	4.7	2.0	0.4	1.3	0.5	0.6	-	-	-	F		
1.9	2.4	4.1	3.8	6.5	9.1	13.5	24.2	41.7	74.5	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.3	-	2.4	1.6	3.1	7.5	10.9	16.3	37.9	94.0	F		
16.6	37.4	66.5	168.8	302.8	511.2	760.3	1192.2	1685.8	2471.3	M	ALL CANCER	140-208/C00-C97
24.7	41.7	81.3	130.9	222.1	311.1	421.1	602.6	792.3	1267.3	F		
0.3	2.1	4.9	15.9	24.0	19.5	27.0	26.8	29.3	38.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.7	-	1.2	2.8	4.8	8.6	5.4	7.5	6.1	12.6	F		
-	1.0	2.8	9.2	18.9	18.2	33.4	43.3	40.5	56.4	M	Oesophagus cancer	150/C15
-	0.4	0.4	1.6	3.5	4.8	3.6	7.5	10.6	21.5	F		
1.3	0.7	4.1	7.1	14.7	15.8	22.0	45.9	74.3	105.3	M	Stomach cancer	151/C16
1.0	-	1.6	3.2	5.2	10.7	9.7	15.6	21.2	58.8	F		
2.5	3.5	6.5	13.8	24.0	45.6	81.8	137.7	198.2	301.1	M	Colorectal cancer	153, 154/C18-C21
1.3	1.8	6.0	9.6	19.2	29.4	46.5	57.7	100.1	183.3	F		
0.3	1.0	4.1	5.8	11.5	29.8	39.1	46.8	86.7	59.6	M	Liver cancer	155.0, 155.1/C22
0.3	1.1	0.8	1.6	5.2	4.3	8.5	22.4	19.0	28.4	F		
1.6	2.8	2.0	9.2	15.7	27.4	40.5	71.0	73.2	80.9	M	Pancreas cancer	157/C25
0.3	1.1	2.4	3.6	12.7	18.7	29.6	43.5	62.9	96.6	F		
-	0.3	0.4	2.5	6.5	7.3	7.8	13.9	15.8	12.8	M	Larynx cancer	161/C32
-	-	0.4	0.8	-	0.5	1.8	0.7	0.8	4.2	F		
1.9	7.6	19.5	50.5	92.2	166.0	217.6	322.9	402.0	356.4	M	Lung cancer	162/C33, C34
1.6	3.6	11.2	25.7	35.9	39.0	75.5	80.2	81.9	86.1	F		
2.2	1.7	-	4.6	6.9	9.7	12.8	14.7	22.5	30.9	M	Malignant melanoma	172/C43
1.6	-	2.0	2.4	3.1	3.7	4.8	9.5	8.3	14.7	F		
5.6	16.6	27.6	38.6	59.5	78.0	76.7	101.9	116.0	203.8	F	Female breast cancer	174/C50
2.0	2.5	2.8	1.6	3.1	3.7	3.6	6.8	3.8	12.1	F	Cervix cancer	180/C53
0.3	0.4	2.8	4.0	5.2	8.0	10.3	15.6	28.8	42.0	F	Other uterine cancer	179, 182/C54, C55
1.0	0.7	3.2	4.4	14.4	27.3	26.0	39.4	56.1	70.9	F	Ovarian cancer	183.0/C56
-	-	-	3.8	8.8	37.1	71.1	151.5	295.0	724.5	M	Prostate cancer	185/C61
-	-	1.2	4.6	4.6	12.8	20.6	36.4	47.3	129.8	M	Bladder cancer	188/C67
-	0.7	1.2	1.6	1.3	4.3	7.9	16.3	12.1	43.6	F		
5.3	12.1	14.2	30.1	55.8	85.1	132.3	191.3	269.1	397.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.3	9.7	11.6	20.5	33.2	50.2	73.1	120.9	172.1	276.8	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	2.8	5.3	5.8	9.2	24.9	35.6	57.1	89.0	112.8	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C85, C90
2.3	1.4	4.0	6.0	10.1	15.0	26.6	36.0	67.5	62.0	F	Leukaemia	204-208/C91-C95
1.3	1.7	1.6	5.8	10.1	12.2	18.5	32.9	42.8	64.9	M		
1.3	1.8	2.0	2.8	5.7	4.8	11.5	21.1	25.0	49.9	F		
0.3	1.4	5.3	5.4	14.3	20.7	51.2	83.1	129.5	260.6	M	Diabetes	250/E10-E14
1.0	0.4	1.2	4.4	6.1	10.2	29.6	47.6	91.7	336.7	F		
15.7	36.1	64.9	110.3	182.0	312.5	629.4	1045.0	2004.5	5963.8	M	ALL VASCULAR DISEASE	390-459/I00-I99
6.3	9.7	20.4	30.5	46.8	103.2	224.8	470.8	1121.3	5701.2	F		
-	-	-	0.8	-	0.6	0.7	2.6	5.6	27.7	M	Rheumatic heart disease and fever	390-398/I00-I09
-	-	-	-	-	1.6	2.4	3.4	12.1	36.2	F		
0.3	1.7	4.1	4.2	6.9	14.6	37.0	59.7	100.2	292.6	M	Hypertensive disease	401-404/I10-I13
-	0.4	0.8	2.8	0.9	8.6	10.9	38.7	77.3	432.2	F		
5.0	18.4	34.1	63.1	100.0	174.5	343.5	547.2	1028.2	2657.4	M	Ischaemic heart disease	410-414/I20-I25
0.7	2.2	8.0	9.6	20.1	39.6	102.1	188.2	441.2	2183.8	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
1.9	4.9	6.5	13.4	17.5	40.7	73.3	158.4	318.7	1078.7	M	Cerebrovascular disease	430-438/I60-I69
2.6	2.5	5.6	8.4	8.3	21.4	39.9	101.2	248.7	1135.5	F		
8.5	11.1	20.3	28.8	57.6	82.1	175.0	277.1	551.8	1907.4	M	Other vascular disease, incl. venous	Rest of 390-459/ rest of I00-I99
3.0	4.7	6.0	9.6	17.5	32.1	69.5	139.3	341.9	1913.3	F		
0.3	-	1.2	5.8	14.3	40.7	69.0	143.7	296.2	574.5	M	Chronic obstructive pulmonary disease	490-494, 496/ J40-J47
0.3	0.4	1.2	3.2	9.2	14.4	22.4	54.3	92.5	203.3	F		
1.3	2.4	3.2	5.0	10.6	17.0	45.5	84.8	211.7	842.6	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
0.3	0.7	1.6	4.4	8.3	13.4	16.9	44.8	102.4	641.8	F		
-	0.3	1.2	0.8	3.2	2.4	4.3	6.9	19.1	55.3	M	Peptic ulcer	531-533/K25-K27
-	-	0.8	0.4	0.4	2.1	3.6	9.5	14.4	51.5	F		
3.1	9.4	15.0	21.3	25.3	35.3	46.9	46.8	41.7	66.0	M	Liver cirrhosis & other liver disease	570-573/ K70-K76
1.3	4.3	4.0	8.4	14.0	15.5	16.9	12.9	23.5	15.2	F	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
-	0.4	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/O00-O99
0.9	0.7	0.4	2.9	2.3	1.8	2.8	3.5	9.0	4.3	M	Congenital and perinatal causes	740-779/ P00-P96, Q00-Q99
1.3	1.1	0.8	3.2	5.7	1.1	6.0	4.1	4.5	5.3	F		
9.1	6.2	14.6	24.6	30.9	45.0	63.3	77.1	146.4	354.3	M	Ill-defined causes	780-799/R00-R99
3.3	2.2	7.2	4.8	15.3	19.8	29.0	38.0	72.8	334.0	F		
14.1	18.4	26.4	36.3	45.2	87.5	136.6	218.2	563.1	1769.1	M	Other medical causes	Rest of 001-799/ rest of A00-R99
8.9	10.1	8.4	22.9	32.8	44.4	93.7	199.7	410.2	1830.9	F		
47.1	55.5	68.2	65.6	73.3	65.7	92.5	119.5	189.2	488.3	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
17.8	21.6	14.4	26.1	29.3	33.1	35.0	67.3	83.4	317.2	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	0.3	0.4	-	1.4	0.6	2.1	1.7	1.1	3.2	M	Fire	E890-E899/X00-X09
0.7	0.7	0.4	-	-	0.5	0.6	2.0	0.8	1.1	F		
29.8	30.2	36.1	37.2	36.4	26.7	37.7	52.8	66.4	98.9	M	Suicide	E950-E959/X60-X84
9.9	12.6	10.4	13.3	14.4	19.8	15.7	21.7	19.7	27.8	F		
0.9	0.3	-	0.8	0.5	0.6	0.7	1.7	-	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.3	1.1	0.8	0.8	0.4	-	0.6	0.7	0.8	0.5	F		
318.4	288.4	246.5	239.4	217.0	164.5	140.6	115.5	88.8	94.0	M	POPULATION	
303.4	277.9	249.7	249.0	228.7	187.1	165.5	147.2	131.9	190.4	F	(1000s; UN, 2004 revision)	

<b>SWITZERLAND: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical	
<b>1995</b>												
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-	
Total	1655	100	5	1	94	5	8	51	7	810	674	
35-69 Sm.	2425	1275	850	196	229	155	24	597	-	374	-	
Total	9521 (25%)	3346 (38%)	951 (89%)	356 (55%)	2039 (11%)	220 (70%)	109 (22%)	2809 (21%)	346	1642 (23%)	1049	
70+ Sm.	3268	1368	880	121	367	714	63	812	-	311	-	
Total	20446 (16%)	4962 (28%)	998 (88%)	230 (53%)	3734 (10%)	1074 (66%)	757 (8%)	9196 (9%)	155	3571 (9%)	731	
Any age Sm.	5693	2643	1730	317	596	869	87	1409	-	685	-	
Total	31622 (18%)	8408 (31%)	1954 (89%)	587 (54%)	5867 (10%)	1299 (67%)	874 (10%)	12056 (12%)	508	6023 (11%)	2454	
<b>2000</b>												
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-	
Total	1200	82	3	3	76	4	7	46	2	481	578	
35-69 Sm.	2243	1278	868	202	208	148	30	484	-	303	-	
Total	8783 (26%)	3296 (39%)	976 (89%)	374 (54%)	1946 (11%)	213 (69%)	146 (21%)	2372 (20%)	304	1420 (21%)	1032	
70+ Sm.	3313	1476	942	145	389	654	92	765	-	326	-	
Total	20428 (16%)	5197 (28%)	1065 (88%)	274 (53%)	3858 (10%)	969 (67%)	1078 (9%)	8593 (9%)	153	3673 (9%)	765	
Any age Sm.	5556	2754	1810	347	597	802	122	1249	-	629	-	
Total	30411 (18%)	8575 (32%)	2044 (89%)	651 (53%)	5880 (10%)	1186 (68%)	1231 (10%)	11011 (11%)	459	5574 (11%)	2375	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	3426.3	1646.4	1506.5	294.9	256.9	251.4	228.6	183.4	157.4	133.9	111.2	76.8	85.4
2000	3480.6	1567.5	1614.8	318.4	288.4	246.5	239.4	217.0	164.5	140.6	115.5	88.8	94.0
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	31622	1655	9521	485	560	829	1128	1475	2113	2931	4027	4459	11960
2000	30411	1200	8783	375	506	680	1083	1550	1893	2696	3521	4742	12165
<b>Lung cancer</b>													
1995	1954	5	951	6	28	59	106	187	238	327	384	289	325
2000	2044	3	976	6	22	48	121	200	273	306	373	357	335
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	840.2*	95.1*	791.6*	164.5	218.0	329.8	493.4	804.3	1342.4	2188.9	3621.4	5806.0	14004.7
2000	744.3*	76.2*	686.3*	117.8	175.5	275.9	452.4	714.3	1150.8	1917.5	3048.5	5340.1	12941.5
<b>All cancer</b>													
1995	229.8*	5.8*	288.2*	17.6	48.7	93.9	169.3	328.8	524.1	835.0	1262.6	1661.5	2672.1
2000	215.8*	5.1*	266.2*	16.6	37.4	66.5	168.8	302.8	511.2	760.3	1192.2	1685.8	2471.3
<b>Lung cancer</b>													
1995	54.9*	0.3*	82.9*	2.0	10.9	23.5	46.4	102.0	151.2	244.2	345.3	376.3	380.6
2000	53.0*	0.2*	79.3*	1.9	7.6	19.5	50.5	92.2	166.0	217.6	322.9	402.0	356.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	16.7*	0.1*	29.0*	1.4	8.2	13.9	23.2	44.2	48.9	63.5	73.7	67.7	112.4
2000	17.2*	0.2*	28.9*	0.3	3.5	8.1	27.6	49.3	45.0	68.3	84.0	85.6	107.4
<b>Other cancer</b>													
1995	158.2*	5.4*	176.3*	14.2	29.6	56.5	99.7	182.7	324.0	527.3	843.5	1217.4	2179.2
2000	145.6*	4.7*	158.1*	14.4	26.4	38.9	90.6	161.3	300.3	474.4	785.3	1198.2	2007.4
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	33.5*	0.3*	20.9*	-	0.8	2.4	6.1	11.5	37.5	88.1	183.5	339.8	713.1
2000	28.0*	0.2*	18.8*	0.3	-	1.2	5.8	14.3	40.7	69.0	143.7	296.2	574.5
<b>Other respiratory disease</b>													
1995	21.9*	0.5*	9.5*	1.4	2.3	1.6	4.8	8.2	19.7	28.4	70.1	170.6	641.7
2000	28.0*	0.5*	12.2*	1.3	2.4	3.2	5.0	10.6	17.0	45.5	84.8	211.7	842.6
<b>Vascular disease</b>													
1995	313.0*	2.8*	245.7*	15.6	39.7	75.2	135.6	229.6	432.0	792.4	1405.6	2467.4	6719.0
2000	259.7*	2.7*	193.0*	15.7	36.1	64.9	110.3	182.0	312.5	629.4	1045.0	2004.5	5963.8
<b>Liver cirrhosis and other liver disease</b>													
1995	14.6*	0.3*	27.2*	3.7	9.3	15.5	27.6	35.4	49.6	49.3	55.8	50.8	63.2
2000	12.2*	0.1*	22.3*	3.1	9.4	15.0	21.3	25.3	35.3	46.9	46.8	41.7	66.0
<b>Other medical causes</b>													
1995	159.6*	46.3*	126.4*	70.5	65.0	69.2	87.1	112.3	187.4	293.5	509.0	912.8	2697.9
2000	137.6*	31.3*	107.0*	33.6	34.7	56.8	75.6	106.0	168.4	273.8	416.5	911.0	2535.1
<b>All non-medical causes</b>													
1995	67.8*	39.2*	73.7*	55.6	52.2	72.0	63.0	78.5	92.1	102.3	134.9	203.1	497.7
2000	63.0*	36.3*	66.8*	47.1	55.5	68.2	65.6	73.3	65.7	92.5	119.5	189.2	488.3

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994



## 1995, 2000: SWITZERLAND

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & other liver	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	798	77	3	1	73	0	7	33	2	465	214
35-69	Sm.	479	240	190	21	29	47	6	96	-	90	-
	Total	5099	2503	310	70	2123	103	57	982	149	906	399
		(9%)	(10%)	(61%)	(30%)	(1%)	(46%)	(11%)	(10%)		(10%)	
70+	Sm.	774	203	148	20	35	165	19	260	-	127	-
	Total	25870	4335	287	101	3947	471	992	13112	86	6134	740
		(3%)	(5%)	(52%)	(20%)	(1%)	(35%)	(2%)	(2%)		(2%)	
Any age	Sm.	1253	443	338	41	64	212	25	356	-	217	-
	Total	31767	6915	600	172	6143	574	1056	14127	237	7505	1353
		(4%)	(6%)	(56%)	(24%)	(1%)	(37%)	(2%)	(3%)		(3%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	566	82	4	0	78	0	8	27	4	291	154
35-69	Sm.	600	321	259	29	33	54	12	105	-	108	-
	Total	4937	2507	387	84	2036	98	90	845	136	859	402
		(12%)	(13%)	(67%)	(35%)	(2%)	(55%)	(13%)	(12%)		(13%)	
70+	Sm.	1167	314	234	33	47	263	39	366	-	185	-
	Total	26631	4345	390	119	3836	589	1423	13027	79	6355	813
		(4%)	(7%)	(60%)	(28%)	(1%)	(45%)	(3%)	(3%)		(3%)	
Any age	Sm.	1767	635	493	62	80	317	51	471	-	293	-
	Total	32134	6934	781	203	5950	687	1521	13899	219	7505	1369
		(5%)	(9%)	(63%)	(31%)	(1%)	(46%)	(3%)	(3%)		(4%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	3576.5	1590.1	1541.4	276.1	250.4	250.6	231.4	193.6	178.6	160.7	149.6	114.2	181.2
2000	3686.9	1556.1	1661.3	303.4	277.9	249.7	249.0	228.7	187.1	165.5	147.2	131.9	190.4
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	31767	798	5099	218	307	440	635	765	1088	1646	2626	3511	19733
2000	32134	566	4937	212	271	364	601	902	1080	1507	2309	3755	20567
<b>Lung cancer</b>													
1995	600	3	310	6	18	23	40	60	78	85	104	75	108
2000	781	4	387	5	10	28	64	82	73	125	118	108	164
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	497.1*	47.8*	382.9*	79.0	122.6	175.6	274.4	395.1	609.2	1024.3	1755.3	3074.4	10890.2
2000	466.9*	36.8*	348.1*	69.9	97.5	145.8	241.4	394.4	577.2	910.6	1568.6	2846.9	10802.0
<b>All cancer</b>													
1995	134.1*	4.4*	187.2*	24.6	53.9	93.4	154.3	216.9	312.4	454.9	633.0	797.7	1367.0
2000	126.9*	4.9*	176.1*	24.7	41.7	81.3	130.9	222.1	311.1	421.1	602.6	792.3	1267.3
<b>Lung cancer</b>													
1995	13.3*	0.1*	23.3*	2.2	7.2	9.2	17.3	31.0	43.7	52.9	69.5	65.7	59.6
2000	15.9*	0.2*	27.5*	1.6	3.6	11.2	25.7	35.9	39.0	75.5	80.2	81.9	86.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.4*	0.0*	5.1*	-	2.0	3.2	3.9	9.3	9.5	8.1	12.0	14.9	36.4
2000	3.8*	-	5.9*	0.7	0.4	2.0	5.2	8.3	13.9	10.9	15.6	17.4	38.3
<b>Other cancer</b>													
1995	117.4*	4.2*	158.7*	22.5	44.7	81.0	133.1	176.7	259.2	393.9	551.5	717.2	1271.0
2000	107.2*	4.7*	142.7*	22.4	37.8	68.1	100.0	178.0	258.2	334.7	506.8	692.9	1142.9
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	9.1*	-	8.3*	0.4	-	1.6	2.6	7.2	16.8	29.9	41.4	74.4	178.8
2000	10.1*	-	7.3*	0.3	0.4	1.2	3.2	9.2	14.4	22.4	54.3	92.5	203.3
<b>Other respiratory disease</b>													
1995	13.7*	0.4*	4.2*	1.1	1.2	2.4	3.9	4.1	7.8	8.7	29.4	80.6	472.4
2000	18.8*	0.5*	6.5*	0.3	0.7	1.6	4.4	8.3	13.4	16.9	44.8	102.4	641.8
<b>Vascular disease</b>													
1995	190.5*	2.0*	77.7*	7.2	14.8	20.0	32.0	66.6	130.5	273.2	617.6	1331.9	5886.9
2000	173.0*	1.6*	63.1*	6.3	9.7	20.4	30.5	46.8	103.2	224.8	470.8	1121.3	5701.2
<b>Liver cirrhosis and other liver disease</b>													
1995	5.6*	0.1*	10.6*	1.4	4.8	9.2	11.7	13.9	14.0	19.3	17.4	19.3	21.0
2000	4.8*	0.2*	9.2*	1.3	4.3	4.0	8.4	14.0	15.5	16.9	12.9	23.5	15.2
<b>Other medical causes</b>													
1995	117.1*	28.2*	67.5*	26.1	27.2	29.9	41.5	58.4	94.6	194.8	354.3	696.1	2654.0
2000	108.0*	20.0*	60.5*	19.1	19.1	22.8	37.8	64.7	86.6	173.4	315.9	631.5	2656.0
<b>All non-medical causes</b>													
1995	27.0*	12.8*	27.3*	18.1	20.8	19.2	28.5	27.9	33.0	43.6	62.2	74.4	310.2
2000	25.2*	9.6*	25.3*	17.8	21.6	14.4	26.1	29.3	33.1	35.0	67.3	83.4	317.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>SWITZERLAND: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.2	– / 0.6	–
35–69	2.2 / 8.8	0.6 / 4.9	23 years
70+	3.3 / 20	1.2 / 27	8 years
<b>All ages</b>	<b>5.6 / 30</b>	<b>1.8 / 32</b>	<b>14 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

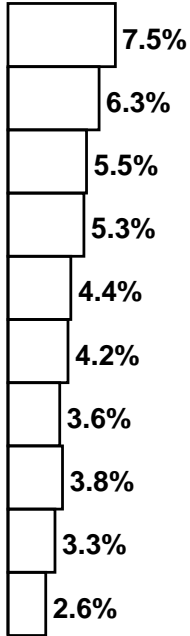
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.9/1.0	0.9/1.1	1.8/2.0	–/0.0	0.3/0.4	0.2/0.4	0.5/0.8
All Cancer	–/0.1	1.3/3.3 (39%)	1.5/5.2 (28%)	2.8/8.6	–/0.1	0.3/2.5 (13%)	0.3/4.3 (7%)	0.6/6.9
Vascular	–/0.0	0.5/2.4	0.8/8.6	1.2/11	–/0.0	0.1/0.8	0.4/13	0.5/14
Respiratory	–/0.0	0.2/0.4	0.7/2.0	0.9/2.4	–/0.0	0.1/0.2	0.3/2.0	0.4/2.2
All Other	–/1.1	0.3/2.8	0.3/4.6	0.6/8.4	–/0.4	0.1/1.4	0.2/7.2	0.3/9.1
<b>All Causes</b>	<b>–/1.2</b>	<b>2.2/8.8 (26%)</b>	<b>3.3/20 (16%)</b>	<b>5.6/30</b>	<b>–/0.6</b>	<b>0.6/4.9 (12%)</b>	<b>1.2/27 (4%)</b>	<b>1.8/32</b>

**Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	2.8 / 8.6 (32%)	0.6 / 6.9 (9%)	3.4 / 16 (22%)
All Causes	5.6 / 30 (18%)	1.8 / 32 (5%)	7.3 / 63 (12%)

1955-2000: SWITZERLAND

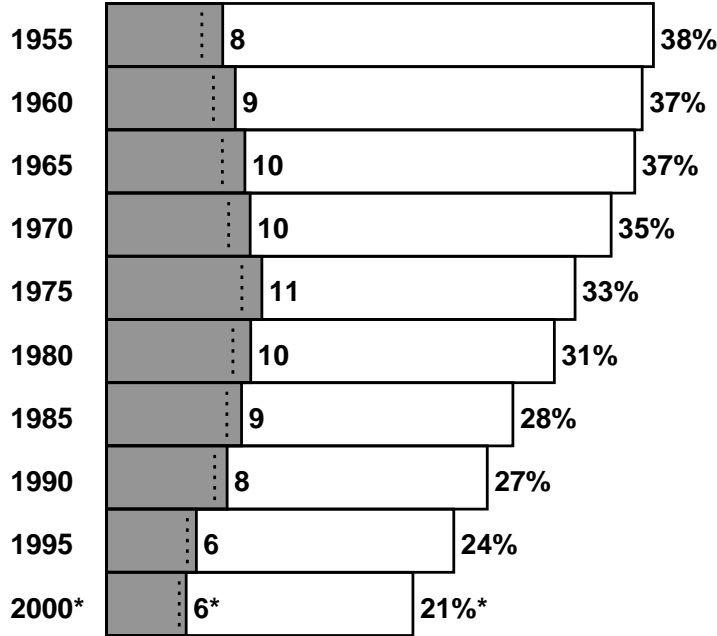
**Population risk of dying at ages 0-34**



**Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)**

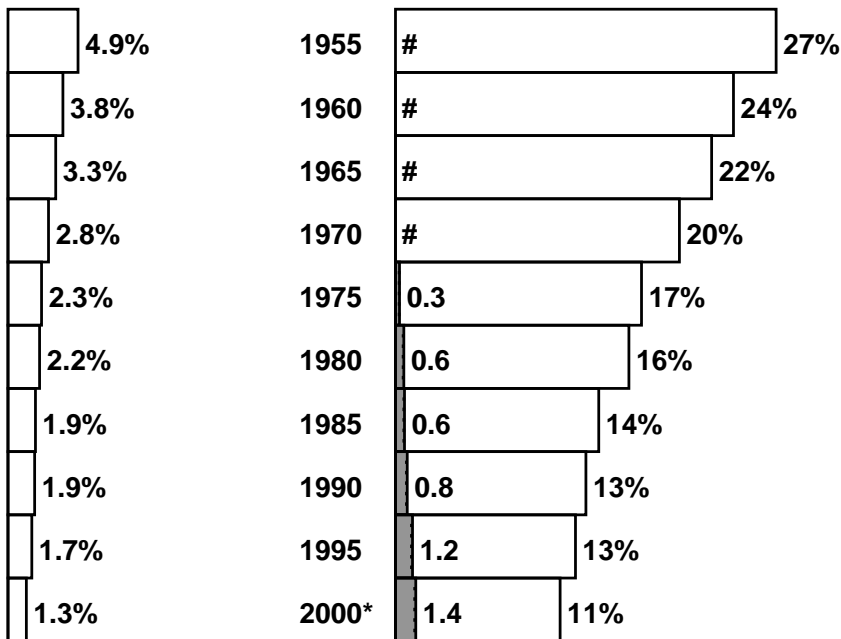
\*eg, at year 2000 male death rates, out of 100 men aged 35, 21 would die before age 70 (with 6 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



# Real risk too low to estimate reliably

<b>SWITZERLAND: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	-/3.0	2.4/11 <b>(22%)</b>	0.7/12 <b>(6%)</b>	3.1/26	-/1.9	0.0/8.1	0.0/15	0.0/25
1960	-/2.8	2.8/11 <b>(25%)</b>	1.0/13 <b>(8%)</b>	3.8/27	-/1.6	0.0/7.6	0.0/16	0.0/25
1965	-/2.7	3.2/12 <b>(27%)</b>	1.5/14 <b>(10%)</b>	4.6/29	-/1.6	0.0/7.7	0.0/17	0.0/26
1970	-/2.7	3.5/12 <b>(29%)</b>	2.1/15 <b>(14%)</b>	5.6/30	-/1.4	0.0/7.2	0.0/19	0.0/27
1975	-/2.1	3.8/11 <b>(33%)</b>	2.7/16 <b>(17%)</b>	6.4/30	-/1.1	0.1/6.3 <b>(2%)</b>	0.0/19	0.1/26
1980	-/1.9	3.5/11 <b>(32%)</b>	3.2/18 <b>(18%)</b>	6.6/31	-/0.9	0.2/5.8 <b>(3%)</b>	0.2/22 <b>(0.7%)</b>	0.4/28
1985	-/1.7	3.3/10 <b>(32%)</b>	3.6/19 <b>(19%)</b>	6.9/31	-/0.8	0.2/5.3 <b>(4%)</b>	0.3/23 <b>(1%)</b>	0.5/29
1990	-/2.0	3.1/10 <b>(31%)</b>	3.7/20 <b>(18%)</b>	6.8/32	-/0.9	0.3/5.2 <b>(6%)</b>	0.9/25 <b>(3%)</b>	1.2/31
1995	-/1.7	2.4/9.5 <b>(25%)</b>	3.3/20 <b>(16%)</b>	5.7/32	-/0.8	0.5/5.1 <b>(9%)</b>	0.8/26 <b>(3%)</b>	1.3/32
2000	-/1.2	2.2/8.8 <b>(26%)</b>	3.3/20 <b>(16%)</b>	5.6/30	-/0.6	0.6/4.9 <b>(12%)</b>	1.2/27 <b>(4%)</b>	1.8/32

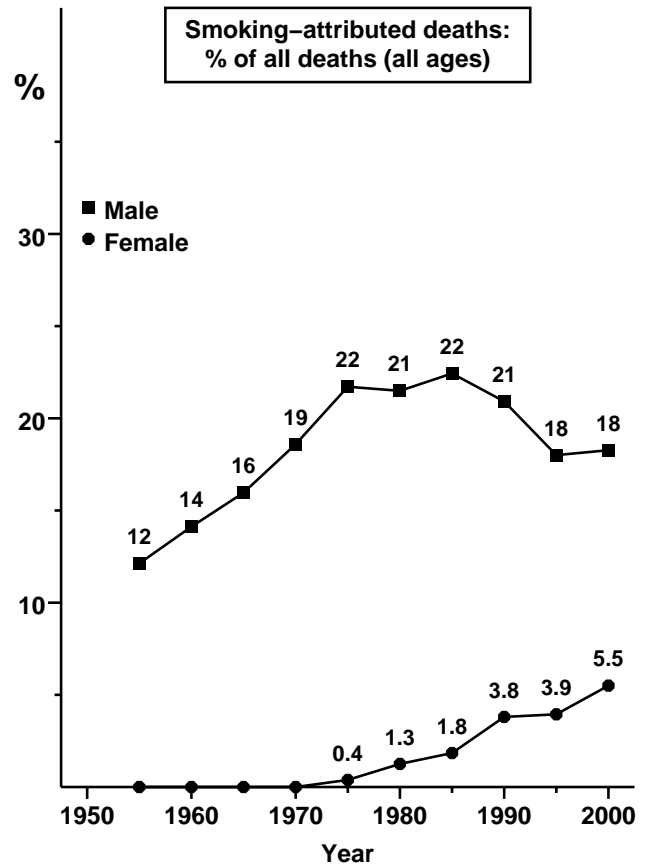
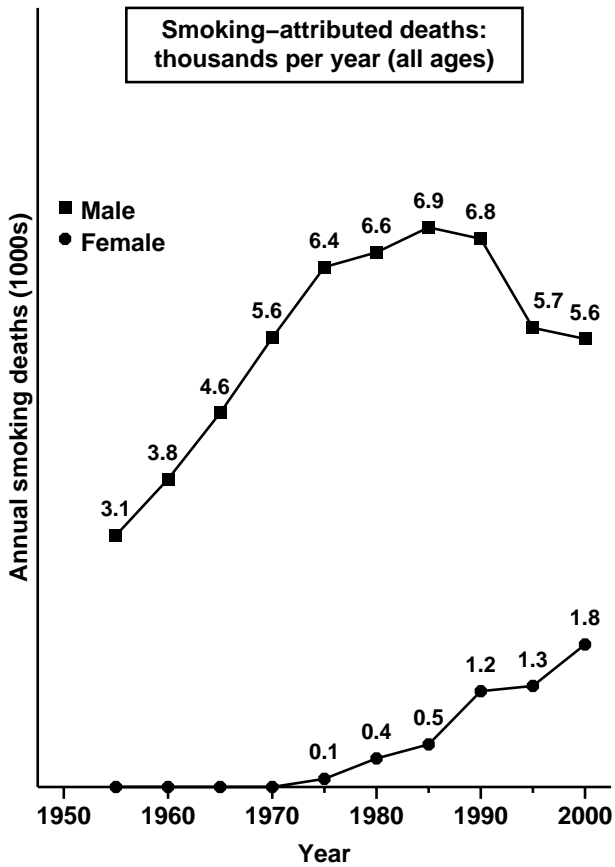
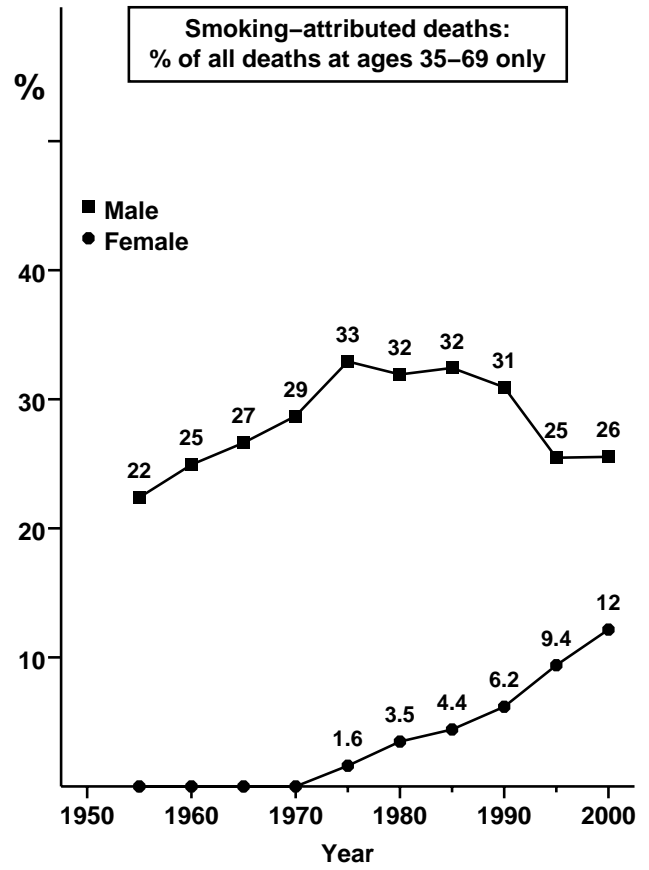
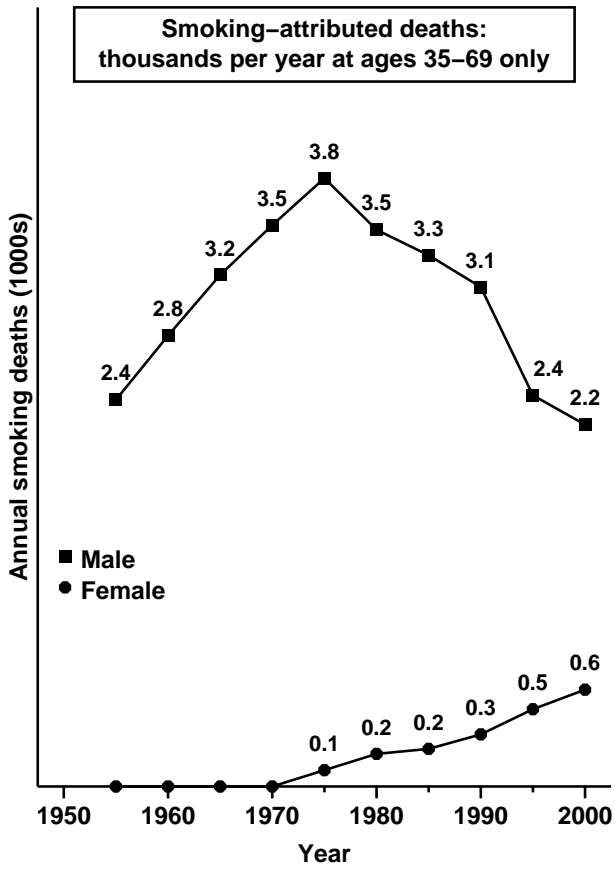
**50-year total\* (thousands), mid-1950 to mid-2000: 287 / 2848**

**1950-2000 by age & sex:**

-/112	151/537 <b>(28%)</b>	118/821 <b>(14%)</b>	268/1470	-/62	8.1/325 <b>(3%)</b>	11/991 <b>(1%)</b>	19/1378
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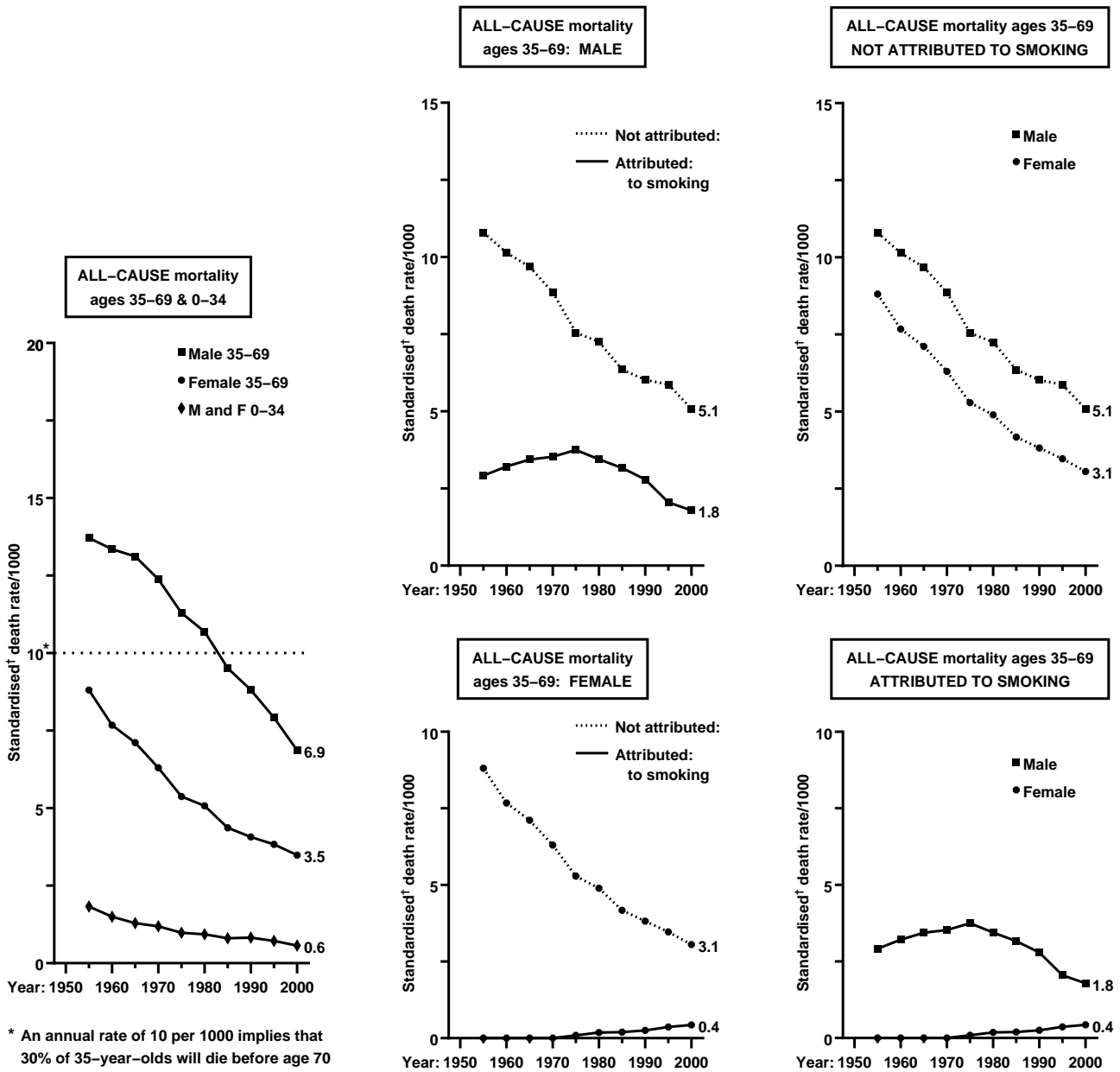
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: SWITZERLAND



**SWITZERLAND: 1955-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

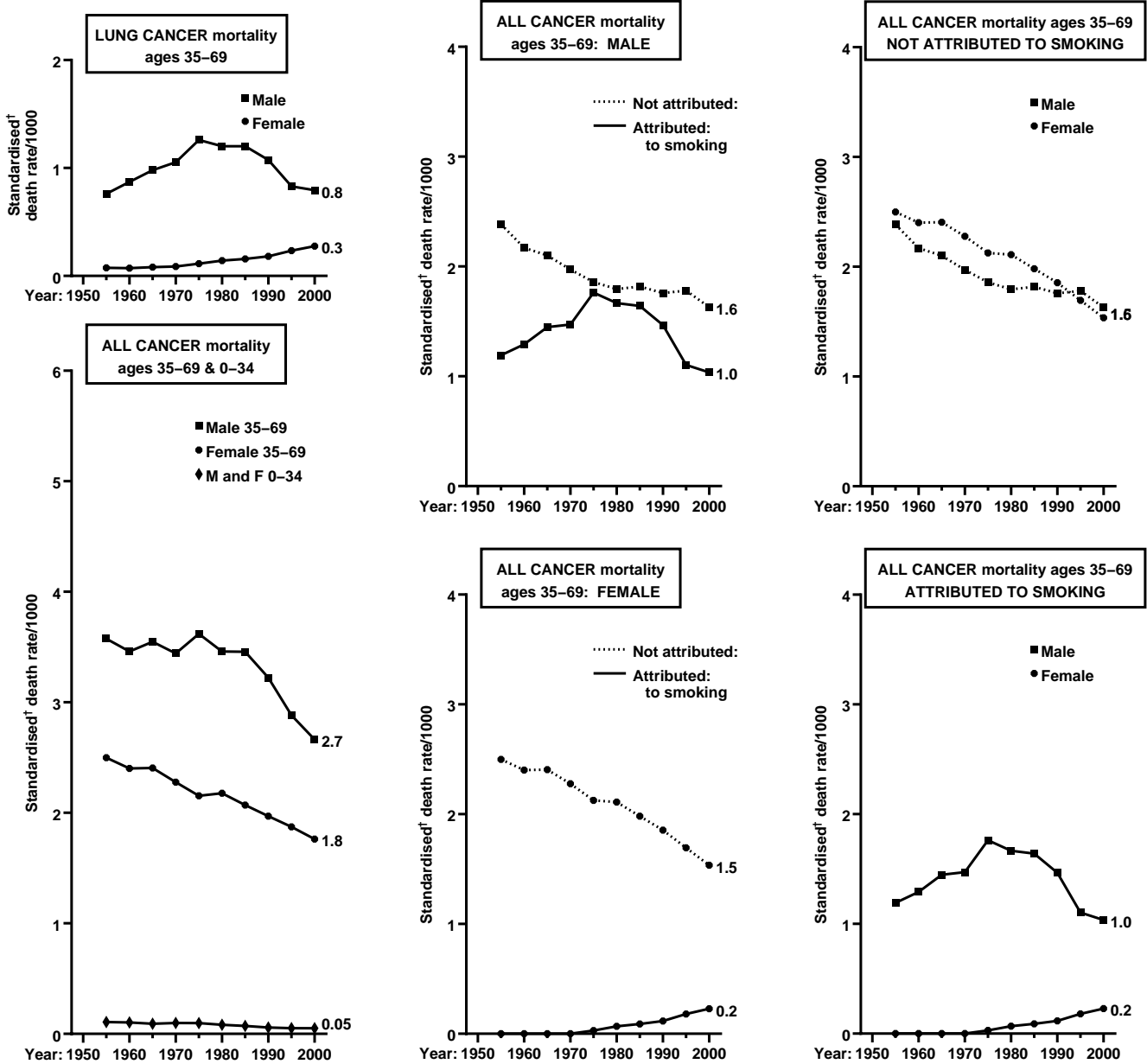
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
1955	-	2.22	2.91	10.8	5.15	72.4	-	1.43	0.00	8.81	0.00	60.3	-	1.43	0.00	8.81	0.00	
1960	-	1.87	3.21	10.1	6.62	68.5	-	1.11	0.00	7.67	0.00	55.0	-	0.97	0.00	7.11	0.00	
1965	-	1.61	3.44	9.68	8.70	66.1	-	0.82	0.00	6.30	0.00	45.9	-	0.68	0.09	5.28	0.00	
1970	-	1.55	3.53	8.86	10.9	58.6	-	0.64	0.18	4.89	0.35	33.8	-	0.55	0.19	4.17	0.68	
1975	-	1.28	3.75	7.55	12.1	51.7	-	0.54	0.25	3.82	1.25	26.2	-	0.48	0.36	3.47	1.17	
1980	-	1.22	3.44	7.25	12.3	47.2	-	0.43	0.36	3.47	1.17	23.0	-	0.37	0.43	3.05	1.53	
1985	-	1.05	3.16	6.35	12.2	42.6	-	0.37	0.43	3.05	1.53	20.6	-	0.37	0.43	3.05	1.53	
1990	-	1.11	2.79	6.02	11.7	40.9	-	0.37	0.43	3.05	1.53	20.6	-	0.37	0.43	3.05	1.53	
1995	-	0.95	2.05	5.87	9.22	37.9	-	0.37	0.43	3.05	1.53	20.6	-	0.37	0.43	3.05	1.53	
2000	-	0.76	1.78	5.08	8.53	33.4	-	0.37	0.43	3.05	1.53	20.6	-	0.37	0.43	3.05	1.53	

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1955-2000: SWITZERLAND

ALL CANCER mortality rates attributed and not attributed to smoking



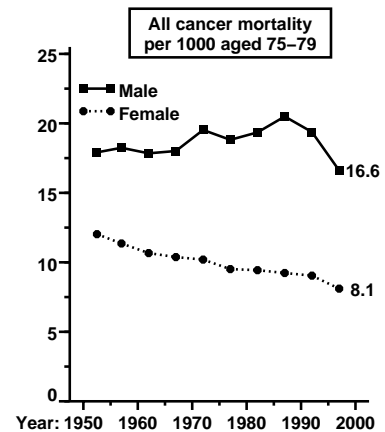
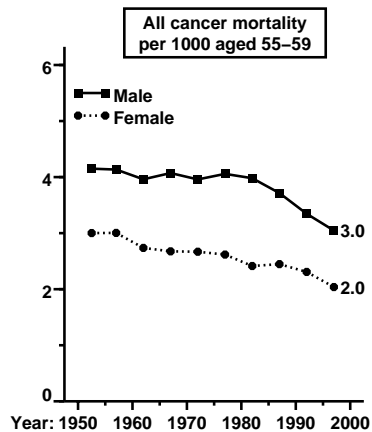
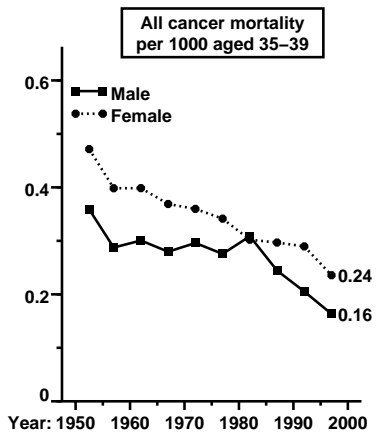
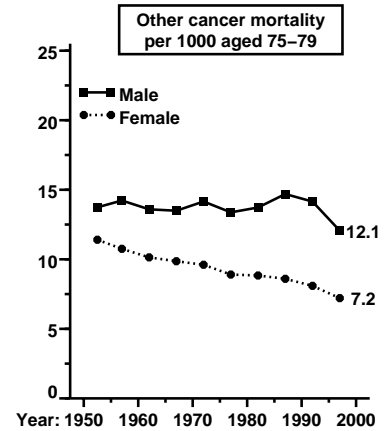
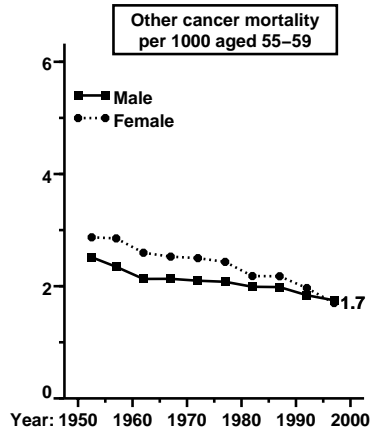
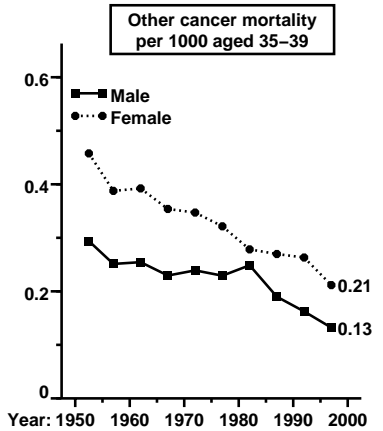
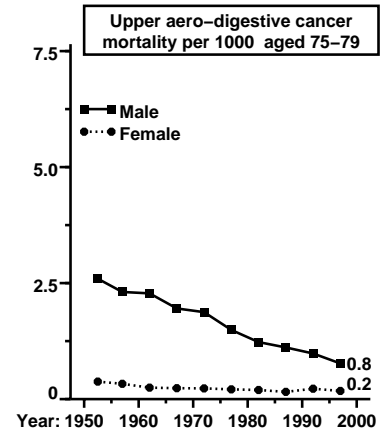
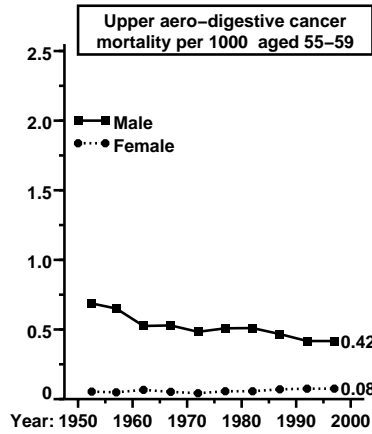
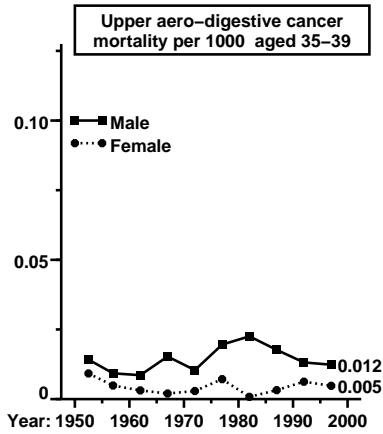
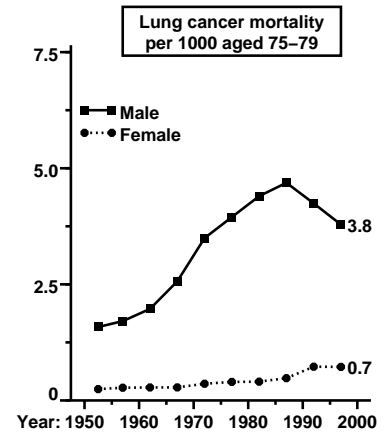
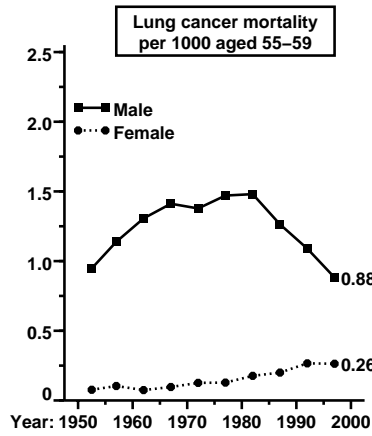
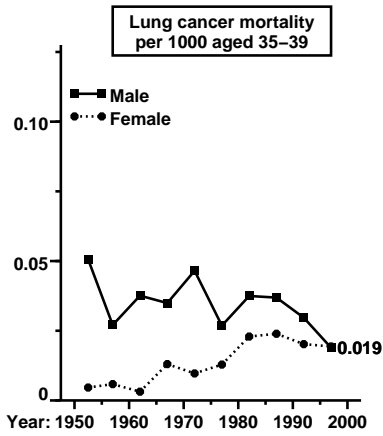
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	Attributed to smoking?		0-34		35-69		70-79		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	-	0.11	1.19	2.38	2.21	13.3	-	0.10	0.00	2.50	0.00	9.75	0.00	9.46
1960	-	0.11	1.29	2.17	2.87	12.4	-	0.09	0.00	2.40	0.00	9.23	0.00	8.93
1965	-	0.11	1.45	2.10	3.74	12.2	-	0.07	0.00	2.40	0.00	8.93	0.00	8.59
1970	-	0.11	1.47	1.97	4.60	11.5	-	0.08	0.00	2.28	0.00	7.66	0.00	7.97
1975	-	0.12	1.76	1.86	5.54	11.2	-	0.08	0.03	2.12	0.00	6.70	0.00	7.88
1980	-	0.09	1.67	1.79	5.65	10.3	-	0.07	0.07	2.11	0.10	6.35	0.00	7.66
1985	-	0.08	1.64	1.82	6.16	11.5	-	0.07	0.09	1.98	0.23	6.70	0.00	6.35
1990	-	0.06	1.47	1.76	5.71	11.0	-	0.05	0.12	1.85	0.47	6.35	0.00	6.35
1995	-	0.06	1.10	1.78	4.61	10.0	-	0.04	0.18	1.69	0.46	6.35	0.00	6.35
2000	-	0.05	1.03	1.63	4.66	9.73	-	0.05	0.23	1.53	0.63	6.35	0.00	6.35

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**SWITZERLAND: 1951-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

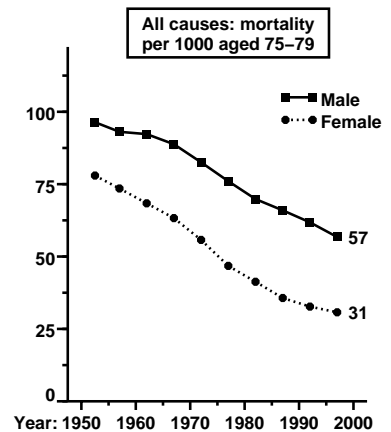
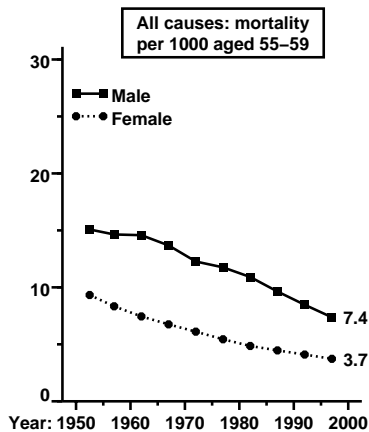
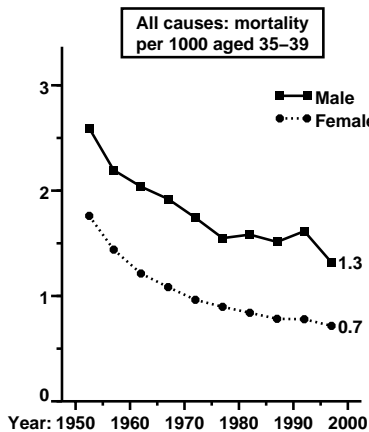
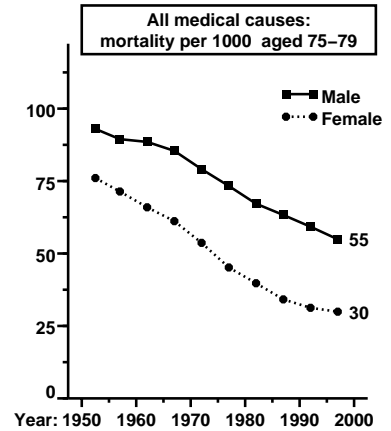
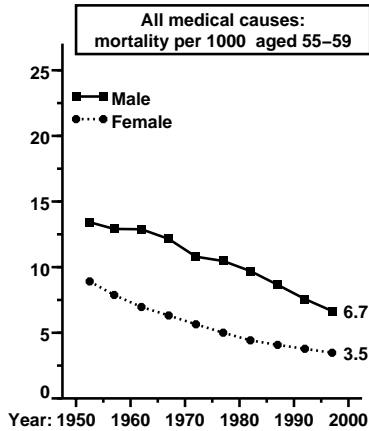
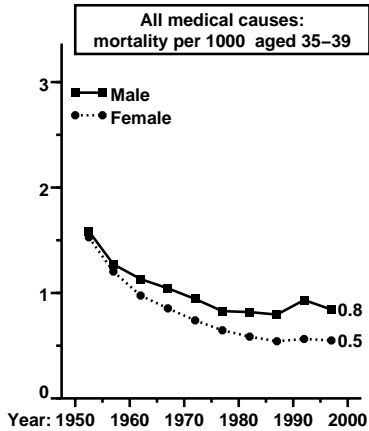
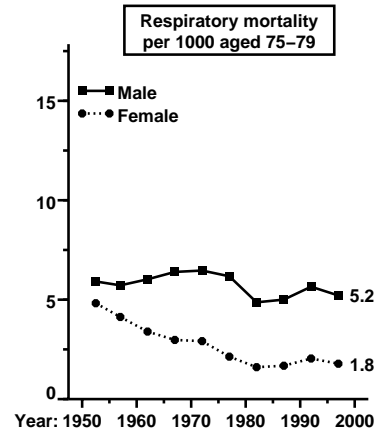
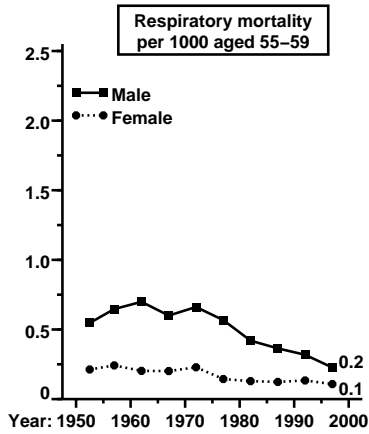
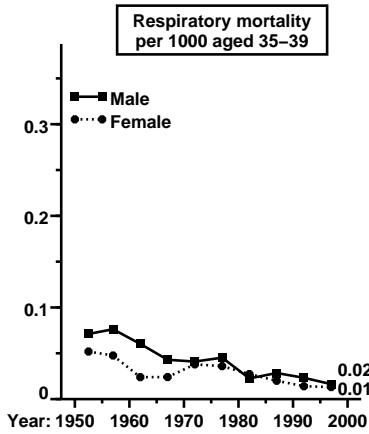
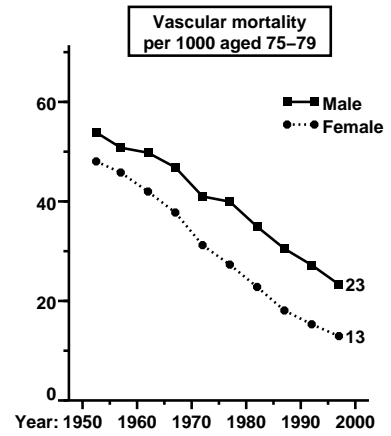
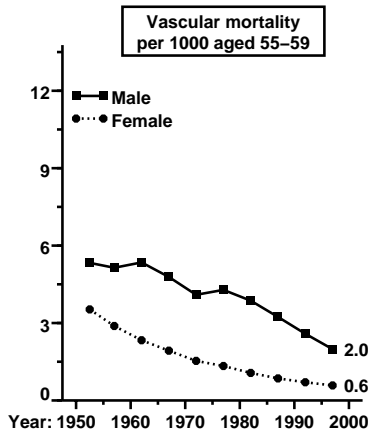
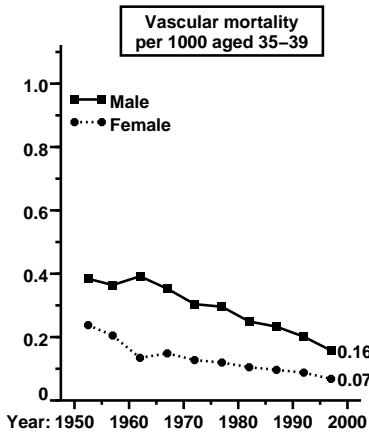


\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 470-471



1951-2000: SWITZERLAND

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 470-471

## UKRAINE: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	382260	27616	210854	1873.9	251.0	2445.8	335.5	44.5	46.4	131.2	278.1	381.8	539.4
	F	375822	9678	100292	970.1	95.4	917.3	245.2	27.1	27.7	52.0	73.5	95.6	146.7
Tuberculosis	M	9746	1775	7513	42.9	15.4	73.1	0.3	0.1	-	2.0	15.8	33.9	55.7
	F	1230	284	766	4.4	2.4	6.4	0.2	-	0.1	0.9	3.1	5.7	6.9
(HIV*)	M	6171	2040	4109	26.5	17.9	37.1	4.4	-	-	4.5	16.5	34.8	65.2
	F	819	413	404	3.4	3.7	3.2	4.5	-	-	1.0	4.7	8.1	7.9
Other infective and parasitic	M	1093	436	559	5.4	4.6	6.1	17.1	0.8	0.5	1.6	2.8	4.1	5.0
	F	656	300	258	2.8	3.2	2.3	12.0	0.8	0.5	1.0	2.2	2.6	3.4
ALL CANCER	M	55151	1280	36893	253.5	11.1	447.5	6.8	5.6	5.3	8.7	12.1	15.6	23.9
	F	41972	1166	24025	123.2	10.3	215.9	7.7	3.9	4.8	5.9	8.6	13.9	27.6
Mouth and pharynx cancer	M	3170	34	2604	14.7	0.3	30.3	0.1	0.1	0.1	0.3	0.4	0.2	0.8
	F	446	12	217	1.3	0.1	2.0	0.1	-	-	0.1	0.1	0.3	0.1
Oesophagus cancer	M	1594	4	1217	7.4	0.0	14.6	-	-	-	-	-	0.1	0.2
	F	260	-	101	0.7	-	0.9	-	-	-	-	-	-	-
Stomach cancer	M	7539	68	4984	34.6	0.6	60.4	-	-	-	0.2	0.6	1.2	2.2
	F	4895	72	2530	13.7	0.6	23.1	-	-	-	0.1	0.4	1.1	2.7
Colorectal cancer	M	5771	48	3256	27.0	0.4	40.8	-	-	0.1	0.2	0.3	0.7	1.6
	F	5792	31	2818	15.8	0.3	25.8	-	-	0.1	0.1	0.2	0.5	1.1
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	2068	4	1644	9.5	0.0	19.6	-	-	-	0.1	-	-	0.2
	F	63	3	32	0.2	0.0	0.3	-	-	0.1	-	-	-	0.1
Lung cancer	M	15887	67	11213	71.9	0.6	138.1	-	-	-	0.1	0.4	1.1	2.6
	F	2913	38	1483	8.1	0.3	13.5	0.1	-	-	0.1	0.2	0.5	1.4
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	7998	86	5493	24.9	0.8	48.4	-	-	0.1	0.1	0.1	0.8	4.2
Cervix cancer	F	2443	115	1537	7.7	1.0	13.3	-	-	-	0.1	0.6	2.1	4.1
Other uterine cancer	F	2236	21	1297	6.4	0.2	11.8	-	-	-	0.1	0.2	0.3	0.7
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	2537	5	1092	12.3	0.0	14.4	-	-	-	0.1	-	0.1	0.2
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	13735	636	9048	63.3	5.6	108.0	3.5	3.3	2.6	4.4	5.9	7.3	11.9
	F	12595	464	7200	37.2	4.1	64.8	3.7	2.7	2.6	2.7	3.9	4.9	8.5
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	1279	201	859	5.7	1.7	9.7	0.6	0.8	0.7	1.8	2.7	2.9	2.4
	F	944	144	536	3.0	1.2	4.8	0.8	0.2	0.5	0.8	1.9	2.1	2.4
Leukaemia	M	1571	213	976	7.2	1.9	11.6	2.7	1.5	1.8	1.7	1.9	2.0	1.7
	F	1387	180	781	4.4	1.7	7.1	3.0	1.0	1.6	1.7	1.0	1.2	2.2
Diabetes	M	1408	156	929	6.3	1.3	10.7	0.1	0.1	0.1	0.3	1.7	3.6	3.4
	F	2066	160	1193	6.1	1.3	10.8	-	0.1	0.2	1.0	1.6	3.2	3.3
ALL VASCULAR DISEASE	M	196536	2181	92452	1001.5	19.4	1137.7	8.6	0.7	1.2	4.8	15.2	32.2	73.3
	F	267340	677	52779	643.2	6.0	496.8	5.4	0.5	1.4	3.1	5.7	7.7	18.6
Rheumatic heart disease and fever	M	1331	73	1151	6.0	0.6	12.6	-	-	0.1	0.3	0.4	1.2	2.5
	F	1758	42	1399	5.8	0.4	12.4	-	-	0.2	0.4	0.5	0.2	1.1
Hypertensive disease	M	570	13	440	2.7	0.1	5.0	-	-	-	-	0.1	0.3	0.4
	F	524	10	277	1.5	0.1	2.5	-	-	-	0.1	0.1	0.2	0.3
Ischaemic heart disease	M	130474	864	60102	663.6	7.6	748.9	-	-	-	1.4	4.8	12.0	35.1
	F	168724	158	31257	400.5	1.4	296.8	-	-	-	0.4	1.4	1.7	6.0
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	44612	320	20810	227.2	2.8	259.7	1.0	0.1	0.2	1.3	2.5	4.7	9.8
	F	71414	156	16103	174.2	1.3	151.1	0.2	0.4	0.4	0.6	1.4	2.3	4.1
Other vascular disease, incl. venous	M	19549	911	9949	102.0	8.2	111.4	7.5	0.6	0.9	1.8	7.3	14.0	25.5
	F	24920	311	3743	61.2	2.9	33.9	5.2	0.1	0.8	1.6	2.4	3.4	7.1
Chronic obstructive pulmonary disease	M	17840	104	8295	89.3	0.9	107.0	-	-	0.1	0.3	0.8	1.6	3.6
	F	9197	48	1947	22.3	0.4	18.3	-	0.1	0.1	0.3	0.4	0.7	1.2
Other respiratory disease	M	8273	1041	5881	38.8	10.2	62.9	25.1	0.7	0.8	2.9	6.3	13.1	22.3
	F	2589	465	1212	9.0	4.9	10.5	18.1	0.8	1.0	1.6	2.9	4.4	5.7
Peptic ulcer	M	1544	80	1126	7.0	0.7	12.4	0.1	-	-	0.2	0.5	1.7	2.5
	F	533	9	285	1.5	0.1	2.6	-	-	-	-	-	0.2	0.3
Liver cirrhosis & some other digestive	M	8993	555	7489	40.5	4.9	80.3	0.6	-	0.4	0.9	3.5	8.2	20.6
	F	4243	192	3200	14.2	1.7	27.9	0.5	0.1	0.3	0.4	1.3	3.1	6.0
Renal disease	M	1831	180	1252	8.4	1.6	13.7	0.5	0.1	0.3	0.8	1.4	3.6	4.1
	F	1562	127	1025	5.0	1.1	9.0	0.7	0.3	0.4	1.1	1.5	2.0	1.7
Pregnancy, birth	F	95	71	24	0.4	0.6	0.2	-	-	-	0.6	0.8	1.4	1.2
Congenital and perinatal causes	M	2493	2308	179	17.0	29.1	1.7	189.4	4.1	2.7	2.7	2.3	1.3	1.4
	F	1704	1525	166	12.0	20.4	1.4	133.2	2.3	2.1	1.3	1.5	1.3	0.7
Ill-defined causes	M	7562	467	2027	49.2	4.7	21.6	13.4	0.5	0.3	1.2	3.2	5.6	8.6
	F	19276	170	519	45.8	2.0	4.6	9.6	0.1	0.1	0.7	0.9	0.6	1.7
Other medical causes	M	11711	2376	7437	54.0	21.4	78.0	24.9	7.7	7.1	11.1	21.6	30.5	47.1
	F	7863	1238	4103	26.0	11.6	35.8	20.2	6.0	4.9	7.3	10.6	13.4	18.8
ALL NON-MEDICAL CAUSES	M	58079	14677	38822	259.9	125.7	393.2	48.6	23.9	27.6	93.8	191.0	226.9	267.9
	F	15496	3246	8790	54.3	29.4	75.0	37.7	12.1	11.5	26.8	32.6	35.4	49.5
Road traffic accidents	M	4966	2166	2530	21.3	18.1	25.2	4.1	4.7	3.8	18.8	37.3	30.4	27.6
	F	1582	561	748	5.7	4.9	6.4	4.2	3.7	2.1	7.2	7.3	4.8	5.1
Fire	M	1353	228	973	6.2	2.1	10.2	2.3	0.8	0.7	0.4	1.6	3.5	5.2
	F	489	69	215	1.6	0.7	1.9	2.8	0.4	0.3	-	0.5	0.6	0.7
Suicide	M	11910	2932	7784	52.7	24.5	80.3	-	0.4	4.7	19.7	40.8	49.3	57.0
	F	2648	468	1452	8.7	3.9	12.5	-	0.1	1.1	5.0	5.9	6.7	8.5
Homicide	M	4545	1470	2834	19.8	12.4	27.3	2.1	0.6	1.0	9.4	21.7	24.7	27.5
	F	1913	480	1037	6.7	4.2	8.7	2.7	1.1	1.1	4.3	5.6	6.0	8.4
POPULATION:			M=male		22699	11458	9830	1087	1498	1909	1905	1772	1738	1550
(1000s; UN, 2004 revision)			F=female		26417	11239	11850	1027	1426	1838	1853	1766	1725	1604

\*The HIV numbers in italics are Global Burden of Disease estimates (<http://www.dcp2.org/pubs/GBD>) and are not counted in 'All Causes'. No HIV deaths in Ukraine in year 2000 were reported to WHO; the actual HIV deaths are distributed amongst various other categories.

## 2000: UKRAINE

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
730.5	1080.1	1498.9	2127.6	2625.8	3911.6	5146.3	7347.4	10360.8	19017.2	M	ALL CAUSES	001-999/A00-Y89
192.5	282.7	429.9	683.1	934.4	1512.5	2385.8	3928.0	6832.3	16407.8	F		
72.0	94.7	98.0	88.8	68.2	51.7	38.3	30.1	25.5	49.9	M	Tuberculosis	010-018/A15-A19
7.1	7.0	9.1	6.3	6.1	4.4	4.8	5.1	6.2	5.0	F		
64.5	63.9	52.0	43.4	19.5	9.1	7.6	2.5	0.6	-	M	HIV*	279.5, 279.6/B20-B24)
6.1	5.5	4.6	3.8	1.7	0.5	0.4	0.1	-	-	F		
3.6	4.2	4.4	7.1	8.1	7.3	7.9	6.9	8.6	4.8	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.9	1.1	1.5	2.1	2.5	3.1	3.7	3.0	3.4	2.3	F		
43.7	89.6	193.7	377.3	558.1	840.6	1029.7	1249.3	1277.6	947.7	M	ALL CANCER	140-208/C00-C97
48.7	81.9	130.2	207.4	253.8	352.1	436.9	525.0	572.4	390.1	F		
2.0	7.3	21.1	38.7	45.8	51.1	45.9	40.5	34.1	33.9	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	0.9	1.1	1.6	2.3	3.0	4.5	5.4	6.3	8.8	F		
0.6	2.1	7.9	14.8	21.1	26.8	29.2	29.1	22.7	23.2	M	Oesophagus cancer	150/C15
0.2	0.2	0.4	0.7	0.8	1.6	2.7	4.1	4.8	5.8	F		
5.5	12.3	27.7	50.9	72.6	113.9	139.7	183.1	196.5	125.0	M	Stomach cancer	151/C16
4.4	6.5	11.6	19.5	25.1	38.1	56.5	71.5	84.1	47.0	F		
3.8	6.6	11.5	25.5	42.8	79.7	115.7	167.8	194.0	169.7	M	Colorectal cancer	153, 154/C18-C21
3.0	6.3	10.7	20.3	29.4	46.0	65.0	86.3	104.2	74.1	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
0.9	3.4	10.9	23.1	30.6	33.1	35.2	35.1	28.0	15.2	M	Larynx cancer	161/C32
0.1	0.1	0.2	0.4	0.4	0.4	0.5	0.8	1.2	0.5	F		
6.7	19.5	48.7	102.7	178.8	276.8	333.8	373.9	327.5	173.3	M	Lung cancer	162/C33, C34
1.9	3.5	7.1	12.2	15.1	22.5	32.5	45.0	48.9	28.1	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
11.3	23.4	40.1	58.1	61.7	74.6	69.7	78.8	79.1	54.6	F	Female breast cancer	174/C50
8.2	10.6	12.1	15.7	12.5	15.8	18.1	23.5	27.7	19.7	F	Cervix cancer	180/C53
1.2	2.5	4.3	8.9	15.5	22.8	27.6	31.2	30.7	17.6	F	Other uterine cancer	179, 182/C54, C55
...	...	...	...	...	...	...	...	...	...	M	Ovarian cancer	Not given separately
0.2	0.4	1.8	5.0	10.8	31.1	51.3	86.1	126.9	117.0	M	Prostate cancer	185/C61
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
17.5	29.3	52.1	96.6	132.0	193.2	235.4	289.6	302.6	256.4	M	Other and ill-defined cancer sites	Rest of 140-199/rest of C00-C80, C97
13.5	22.7	36.6	60.2	78.2	109.1	133.4	153.2	163.0	122.5	F	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
3.5	4.8	6.9	10.5	9.9	15.1	17.3	15.9	17.2	12.0	M	Myeloma and all lymphomas	200-203 incl 201/C81-C90, C96
2.0	2.4	2.5	4.4	4.9	7.2	10.3	9.9	7.8	4.7	F	Leukaemia	204-208/C91-C95
3.0	3.9	5.1	9.5	13.7	19.8	26.1	28.1	28.3	22.0	M		
2.7	2.9	3.4	5.3	7.9	11.0	16.4	15.2	14.5	6.7	F		
3.8	5.3	6.1	8.9	12.2	17.6	20.8	23.9	24.9	16.8	M	Diabetes	250/E10-E14
2.3	3.7	5.0	8.3	12.0	19.7	24.3	28.0	21.4	9.8	F		
134.3	269.4	462.5	794.3	1122.7	2082.0	3098.8	4928.9	7540.6	14080.7	M	ALL VASCULAR DISEASE	390-459/I00-I99
31.3	60.6	121.5	252.9	448.5	903.6	1658.9	3020.1	5647.0	13275.4	F		
4.0	7.9	10.2	16.6	17.8	17.2	14.7	9.3	6.4	4.0	M	Rheumatic heart disease and fever	390-398/I00-I09
2.4	4.0	8.2	14.5	19.5	21.3	17.1	14.1	8.0	3.3	F	Hypertensive disease	401-405/I10-I15
1.7	2.1	3.0	6.2	7.1	7.2	7.8	7.1	10.0	9.6	M		
0.2	0.8	1.3	2.2	3.4	4.3	5.4	5.9	8.6	7.6	F		
67.3	150.2	262.8	468.7	706.2	1431.8	2155.2	3391.6	5315.6	9261.6	M	Ischaemic heart disease	410-414/I20-I25
11.3	22.4	46.7	110.1	242.9	561.3	1083.0	1975.5	3763.8	8301.2	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
21.0	47.5	91.2	186.5	269.8	473.4	728.5	1189.6	1662.5	3180.9	M	Cerebrovascular disease	430-438/I60-I69
7.1	20.1	43.0	95.0	146.5	269.7	476.1	845.7	1449.7	3313.6	F		
40.3	61.6	95.2	116.3	121.7	152.4	192.6	331.3	546.1	1624.6	M	Other vascular disease, incl. venous	Rest of 390-459/rest of I00-I99
10.3	13.3	22.2	31.1	36.2	47.1	77.4	179.0	416.8	1649.8	F	Chronic obstructive pulmonary disease	490-493/J40-J46
5.6	11.3	24.7	50.0	107.6	204.0	345.8	491.8	770.0	1089.5	M	Other respiratory disease	Rest of 460-519/rest of J00-J98
2.0	2.9	5.3	8.9	16.8	31.0	61.5	107.5	203.2	422.0	F		
31.6	46.8	65.4	72.2	73.5	74.4	76.5	80.6	86.7	156.9	M		
6.0	8.6	10.8	11.4	11.8	11.7	12.8	17.3	24.6	48.3	F		
5.2	7.9	9.8	12.2	14.2	19.1	18.1	21.8	28.0	25.2	M	Peptic ulcer	531-533/K25-K27
0.9	0.8	1.6	2.1	2.3	3.9	6.4	5.7	7.7	9.2	F		
36.6	58.6	75.2	99.9	104.0	102.1	85.4	76.3	61.0	47.5	M	Liver cirrhosis & some other digestive	570-3, 575.2-579.9/K70-K77, K82-K92
11.9	16.2	24.3	35.5	39.7	37.0	31.1	27.9	25.9	21.0	F	Renal disease	580-590/N00-N19
6.8	8.7	10.5	16.7	16.3	18.0	19.0	27.4	30.8	27.6	M		
3.7	4.7	6.0	9.1	10.2	15.1	14.2	13.8	12.2	9.9	F		
0.8	0.5	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
1.7	2.9	1.9	2.6	1.6	0.9	0.2	0.3	0.8	0.4	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.3	1.3	2.0	2.1	1.3	1.0	0.8	0.5	0.3	0.2	F	Ill-defined causes	780-799/R00-R99
10.8	16.5	21.2	26.8	28.9	25.0	22.0	43.1	154.1	1664.1	M		
1.6	2.0	3.4	6.1	6.3	6.1	6.7	26.1	137.0	1968.8	F		
53.5	63.2	81.8	89.9	83.8	87.0	86.7	108.0	144.9	204.1	M	Other medical causes	Rest of 001-799/rest of A00-R99
21.0	25.0	29.8	40.0	41.0	43.1	50.4	64.9	78.7	91.5	F		
321.3	401.1	443.6	480.8	426.5	381.9	297.0	259.3	207.3	702.1	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
51.9	66.3	79.5	91.0	82.2	80.7	73.4	83.0	92.3	154.0	F	Road traffic accidents	E810-E819, E826-E829/part of V01-V99, Y850
27.9	26.7	28.3	26.0	26.8	21.9	18.8	20.9	15.8	18.4	M	Fire	E890-E899/X00-X09
5.3	6.2	6.1	6.1	7.1	6.7	7.2	7.2	9.5	8.5	F	Suicide	E950-E959/X60-X84
6.8	9.3	9.0	11.6	12.4	11.5	11.1	8.9	8.9	19.6	M	Homicide	E960-E969/X85-X99, Y00-Y09
0.8	1.8	1.8	2.0	2.4	2.1	2.0	4.3	6.2	9.5	F		
63.0	75.8	85.6	93.6	86.6	77.9	79.4	84.0	58.5	124.2	M		
8.1	10.8	11.4	13.1	13.5	14.7	15.9	18.5	19.9	30.0	F		
34.1	35.4	33.1	29.9	23.7	20.7	13.8	13.8	12.2	34.7	M		
8.1	10.0	10.3	8.6	7.7	8.3	7.7	9.1	10.8	18.0	F		
1799	1788	1649	1256	1092	1401	845	800	361	250	M	POPULATION	
1912	1956	1863	1501	1414	1926	1277	1501	971	857	F	(1000s; UN, 2004 revision)	

<b>UKRAINE: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	32494	1519	81	37	1401	122	1239	2635	490	8428	18061
35-69	Sm.	82500	23022	13477	4582	4963	9414	2724	38024	-	9316	-
	Total	233338 (35%)	43218 (53%)	14212 (95%)	6197 (74%)	22809 (22%)	11344 (83%)	6410 (42%)	100363 (38%)	7305	21217 (44%)	43481
70+	Sm.	20865	4566	3127	554	885	6524	161	8493	-	1121	-
	Total	130220 (16%)	13229 (35%)	3534 (88%)	1040 (53%)	8655 (10%)	9856 (66%)	1500 (11%)	87102 (10%)	806	13861 (8%)	3866
Any age	Sm.	103365	27588	16604	5136	5848	15938	2885	46517	-	10437	-
	Total	396052 (26%)	57966 (48%)	17827 (93%)	7274 (71%)	32865 (18%)	21322 (75%)	9149 (32%)	190100 (24%)	8601	43506 (24%)	65408
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	27616	1280	67	42	1171	104	1041	2181	555	7778	14677
35-69	Sm.	66516	18202	10533	3837	3832	6687	2263	31116	-	8248	-
	Total	210854 (32%)	36893 (49%)	11213 (94%)	5465 (70%)	20215 (19%)	8295 (81%)	5881 (38%)	92452 (34%)	7489	21022 (39%)	38822
70+	Sm.	23661	5931	4081	711	1139	6243	153	10569	-	765	-
	Total	143790 (16%)	16978 (35%)	4607 (89%)	1325 (54%)	11046 (10%)	9441 (66%)	1351 (11%)	101903 (10%)	949	8588 (9%)	4580
Any age	Sm.	90177	24133	14614	4548	4971	12930	2416	41685	-	9013	-
	Total	382260 (24%)	55151 (44%)	15887 (92%)	6832 (67%)	32432 (15%)	17840 (72%)	8273 (29%)	196536 (21%)	8993	37388 (24%)	58079

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	23932	12674	10122	1914	1774	1382	1242	1666	1060	1085	551	263	321
2000	22699	11458	9830	1799	1788	1649	1256	1092	1401	845	800	361	250
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	396052	32494	233338	14674	20025	22714	26356	48891	41922	58756	41652	27435	61133
2000	382260	27616	210854	13139	19313	24723	26712	28663	54797	43507	58779	37392	47619
<b>Lung cancer</b>													
1995	17827	81	14212	156	437	780	1619	3811	3283	4126	2042	901	591
2000	15887	67	11213	121	348	804	1289	1952	3877	2822	2991	1182	434
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1935.2*	262.4*	2567.0*	766.8	1128.6	1643.9	2121.4	2935.3	3956.0	5416.8	7555.2	10423.6	19044.5
2000	1873.9*	251.0*	2445.8*	730.5	1080.1	1498.9	2127.6	2625.8	3911.6	5146.3	7347.4	10360.8	19017.2
<b>All cancer</b>													
1995	269.8*	12.0*	490.9*	48.5	107.9	219.3	396.6	643.7	880.9	1139.6	1261.9	1277.0	906.9
2000	253.5*	11.1*	447.5*	43.7	89.6	193.7	377.3	558.1	840.6	1029.7	1249.3	1277.6	947.7
<b>Lung cancer</b>													
1995	81.8*	0.6*	162.6*	8.2	24.6	56.5	130.3	228.8	309.8	380.4	370.4	342.3	184.1
2000	71.9*	0.6*	138.1*	6.7	19.5	48.7	102.7	178.8	276.8	333.8	373.9	327.5	173.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	33.3*	0.3*	68.7*	4.8	21.0	45.2	77.3	97.9	116.9	118.0	105.8	87.0	71.0
2000	31.6*	0.4*	64.5*	3.5	12.8	40.0	76.6	97.5	111.0	110.4	104.8	84.8	72.3
<b>Other cancer</b>													
1995	154.8*	11.0*	259.6*	35.6	62.3	117.6	189.0	317.1	454.2	641.2	785.8	847.6	651.7
2000	150.1*	10.2*	244.9*	33.5	57.3	105.0	198.0	281.8	452.9	585.5	770.6	865.3	702.1
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	109.3*	0.9*	134.8*	6.5	16.0	32.4	71.9	138.6	277.6	400.4	631.4	855.6	1284.4
2000	89.3*	0.9*	107.0*	5.6	11.3	24.7	50.0	107.6	204.0	345.8	491.8	770.0	1089.5
<b>Other respiratory disease</b>													
1995	42.4*	10.6*	67.8*	27.7	42.5	60.4	65.8	82.6	95.8	99.8	111.0	127.3	172.3
2000	38.8*	10.2*	62.9*	31.6	46.8	65.4	72.2	73.5	74.4	76.5	80.6	86.7	156.9
<b>Vascular disease</b>													
1995	977.2*	20.6*	1153.7*	153.0	289.4	521.8	759.4	1247.7	1996.1	3108.6	4872.8	7186.9	12872.9
2000	1001.5*	19.4*	1137.7*	134.3	269.4	462.5	794.3	1122.7	2082.0	3098.8	4928.9	7540.6	14080.7
<b>Liver cirrhosis and some other digestive</b>													
1995	38.4*	3.8*	76.4*	26.4	52.8	76.7	86.5	99.7	96.3	96.6	84.7	68.8	49.2
2000	40.5*	4.9*	80.3*	36.6	58.6	75.2	99.9	104.0	102.1	85.4	76.3	61.0	47.5
<b>Other medical causes</b>													
1995	216.5*	72.2*	216.7*	133.3	180.3	220.5	236.1	249.7	241.4	255.4	341.4	667.9	3184.1
2000	190.3*	78.8*	217.2*	157.3	203.4	233.7	253.0	233.4	226.5	213.2	261.4	417.6	1992.8
<b>All non-medical causes</b>													
1995	281.6*	142.4*	426.6*	371.3	439.6	512.8	505.2	473.2	367.9	316.5	251.9	240.1	574.8
2000	259.9*	125.7*	393.2*	321.3	401.1	443.6	480.8	426.5	381.9	297.0	259.3	207.3	702.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## 1995, 2000: UKRAINE

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Cirrhosis & some other digestive	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	12434	1475	41	22	1412	82	705	829	155	5302	3886
35-69	Sm.	5494	989	774	62	153	937	67	2984	-	517	-
	Total	117547	26792	1843	397	24552	3211	1322	62423	3329	10339	10131
		(5%)	(4%)	(42%)	(16%)	(1%)	(29%)	(5%)	(5%)		(5%)	
70+	Sm.	7044	742	590	64	88	2436	25	3336	-	505	-
	Total	266582	15515	1388	420	13707	8969	1361	197049	916	39500	3272
		(3%)	(5%)	(43%)	(15%)	(1%)	(27%)	(2%)	(2%)		(1%)	
Any age	Sm.	12538	1731	1364	126	241	3373	92	6320	-	1022	-
	Total	396563	43782	3272	839	39671	12262	3388	260301	4400	55141	17289
		(3%)	(4%)	(42%)	(15%)	(1%)	(28%)	(3%)	(2%)		(2%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	9678	1166	38	15	1113	48	465	677	192	3884	3246
35-69	Sm.	3241	643	504	41	98	437	44	1813	-	304	-
	Total	100292	24025	1483	350	22192	1947	1212	52779	3200	8339	8790
		(3%)	(3%)	(34%)	(12%)	(0%)	(22%)	(4%)	(3%)		(4%)	
70+	Sm.	4730	577	466	45	66	1444	12	2487	-	210	-
	Total	265852	16781	1392	404	14985	7202	912	213884	851	22762	3460
		(2%)	(3%)	(33%)	(11%)	(0%)	(20%)	(1%)	(1%)		(1%)	
Any age	Sm.	7971	1220	970	86	164	1881	56	4300	-	514	-
	Total	375822	41972	2913	769	38290	9197	2589	267340	4243	34985	15496
		(2%)	(3%)	(33%)	(11%)	(0%)	(20%)	(2%)	(2%)		(1%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	27599	12382	12216	2007	1912	1554	1489	2066	1418	1770	1264	701	1037
2000	26417	11239	11850	1912	1956	1863	1501	1414	1926	1277	1501	971	857
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	396563	12434	117547	4245	6081	8033	10243	22173	22528	44244	54410	49546	162626
2000	375822	9678	100292	3680	5529	8011	10252	13213	29133	30474	58955	66348	140549
<b>Lung cancer</b>													
1995	3272	41	1843	36	71	135	184	380	361	676	674	388	326
2000	2913	38	1483	36	68	133	183	214	434	415	676	475	241
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1004.3*	106.1*	985.2*	211.5	318.1	516.8	688.1	1073.1	1589.2	2499.7	4303.9	7071.9	15682.4
2000	970.1*	95.4*	917.3*	192.5	282.7	429.9	683.1	934.4	1512.5	2385.8	3928.0	6832.3	16407.8
<b>All cancer</b>													
1995	129.2*	11.7*	224.6*	52.4	85.1	149.2	195.8	281.6	352.0	456.0	568.5	580.8	410.7
2000	123.2*	10.3*	215.9*	48.7	81.9	130.2	207.4	253.8	352.1	436.9	525.0	572.4	390.1
<b>Lung cancer</b>													
1995	9.3*	0.3*	15.5*	1.8	3.7	8.7	12.4	18.4	25.5	38.2	53.3	55.4	31.4
2000	8.1*	0.3*	13.5*	1.9	3.5	7.1	12.2	15.1	22.5	32.5	45.0	48.9	28.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	2.3*	0.2*	3.4*	0.5	1.2	2.1	2.8	3.7	5.8	7.3	12.1	14.6	15.9
2000	2.1*	0.1*	3.2*	0.6	1.2	1.7	2.7	3.5	5.0	7.6	10.3	12.4	15.1
<b>Other cancer</b>													
1995	117.6*	11.2*	205.7*	50.1	80.2	138.4	180.6	259.5	320.8	410.5	503.1	510.8	363.4
2000	113.0*	9.9*	199.1*	46.2	77.2	121.4	192.4	235.2	324.6	396.9	469.7	511.2	347.0
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	29.8*	0.6*	27.2*	1.9	4.5	7.7	14.5	27.6	53.7	80.2	162.9	257.8	492.2
2000	22.3*	0.4*	18.3*	2.0	2.9	5.3	8.9	16.8	31.0	61.5	107.5	203.2	422.0
<b>Other respiratory disease</b>													
1995	11.0*	6.4*	10.9*	6.3	8.2	12.0	8.8	12.1	12.9	16.3	27.8	44.4	67.3
2000	9.0*	4.9*	10.5*	6.0	8.6	10.8	11.4	11.8	11.7	12.8	17.3	24.6	48.3
<b>Vascular disease</b>													
1995	619.9*	6.7*	525.3*	38.4	75.4	151.6	259.0	511.8	940.8	1699.8	3221.6	5535.5	11334.6
2000	643.2*	6.0*	496.8*	31.3	60.6	121.5	252.9	448.5	903.6	1658.9	3020.1	5647.0	13275.4
<b>Liver cirrhosis and some other digestive</b>													
1995	14.3*	1.2*	27.8*	7.4	17.6	26.1	34.5	40.6	34.6	33.7	33.9	33.1	24.6
2000	14.2*	1.7*	27.9*	11.9	16.2	24.3	35.5	39.7	37.0	31.1	27.9	25.9	21.0
<b>Other medical causes</b>													
1995	141.0*	47.7*	86.0*	43.9	51.6	78.4	79.1	101.3	115.1	132.8	204.2	516.3	3211.3
2000	104.0*	42.6*	72.9*	40.7	46.1	58.4	76.0	81.6	96.3	111.3	147.2	266.8	2096.9
<b>All non-medical causes</b>													
1995	59.3*	31.7*	83.5*	61.2	75.6	91.8	96.5	98.2	80.1	80.7	85.0	104.1	141.7
2000	54.3*	29.4*	75.0*	51.9	66.3	79.5	91.0	82.2	80.7	73.4	83.0	92.3	154.0

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

## UKRAINE: 2000

## Relative importance of deaths in MIDDLE age (35–69) in the year 2000

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 28	– / 9.7	–
35–69	67 / 211	3.2 / 100	19 years
70+	24 / 144	4.7 / 266	8 years
All ages	90 / 382	8.0 / 376	16 years

## Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000

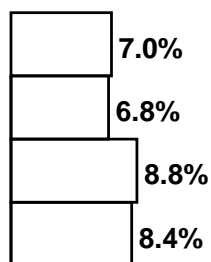
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	11/11	4.1/4.6	15/16	–/0.0	0.5/1.5	0.5/1.4	1.0/2.9
All Cancer	–/1.3	18/37 (49%)	5.9/17 (35%)	24/55	–/1.2	0.6/24 (3%)	0.6/17 (3%)	1.2/42
Vascular	–/2.2	31/92	11/102	42/197	–/0.7	1.8/53	2.5/214	4.3/267
Respiratory	–/1.1	8.9/14	6.4/11	15/26	–/0.5	0.5/3.2	1.5/8.1	1.9/12
All Other	–/23	8.2/67	0.8/14	9.0/104	–/7.3	0.3/20	0.2/27	0.5/55
All Causes	–/28	67/211 (32%)	24/144 (16%)	90/382	–/9.7	3.2/100 (3%)	4.7/266 (2%)	8.0/376

## Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000

Cause	Male	Female	Male + Female
All Cancer	24 / 55 (44%)	1.2 / 42 (3%)	25 / 97 (26%)
All Causes	90 / 382 (24%)	8.0 / 376 (2%)	98 / 758 (13%)

1985-2000: UKRAINE

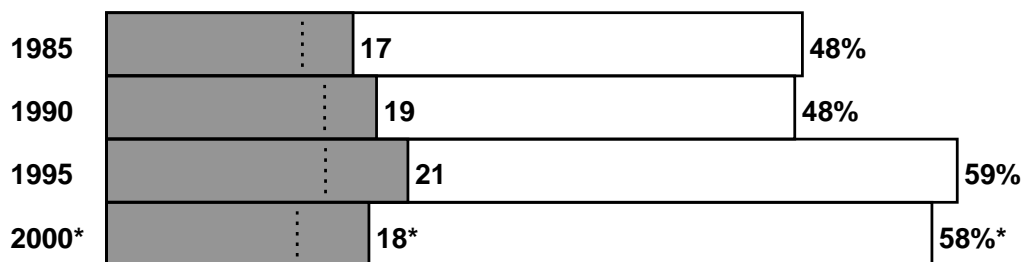
**Population risk of dying at ages 0–34**



**Population risk of a 35-year-old dying at ages 35–69 from smoking (shaded) or from any cause (shaded and white)**

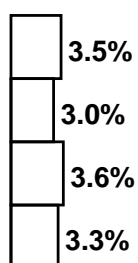
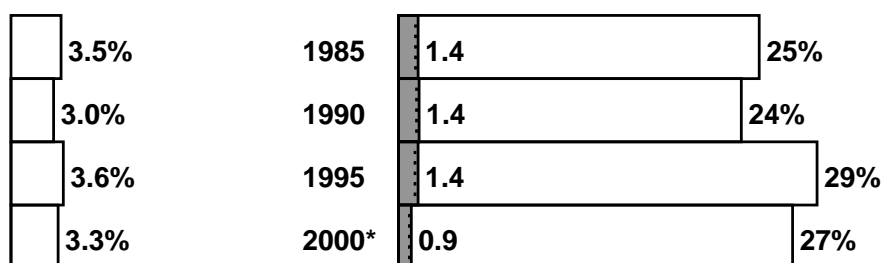
\*eg, at year 2000 male death rates, out of 100 men aged 35, 58 would die before age 70 (with 18 of these deaths attributed to smoking)

**MALE**



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

**FEMALE**



## UKRAINE: 1980-2000

## Numbers of deaths attributed to smoking / total deaths (thousands)

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/28	51/138 <b>(37%)</b>	18/121 <b>(15%)</b>	69/287	-/13	4.6/86 <b>( 5%)</b>	4.8/230 <b>( 2%)</b>	9.4/330
1990	-/26	63/159 <b>(40%)</b>	19/112 <b>(17%)</b>	82/298	-/11	5.6/93 <b>( 6%)</b>	8.2/228 <b>( 4%)</b>	14/332
1995	-/32	83/233 <b>(35%)</b>	21/130 <b>(16%)</b>	103/396	-/12	5.5/118 <b>( 5%)</b>	7.0/267 <b>( 3%)</b>	13/397
2000	-/28	67/211 <b>(32%)</b>	24/144 <b>(16%)</b>	90/382	-/9.7	3.2/100 <b>( 3%)</b>	4.7/266 <b>( 2%)</b>	8.0/376

20-year total\* (M=millions), mid-1980 to mid-2000: **1.9/ 14M**

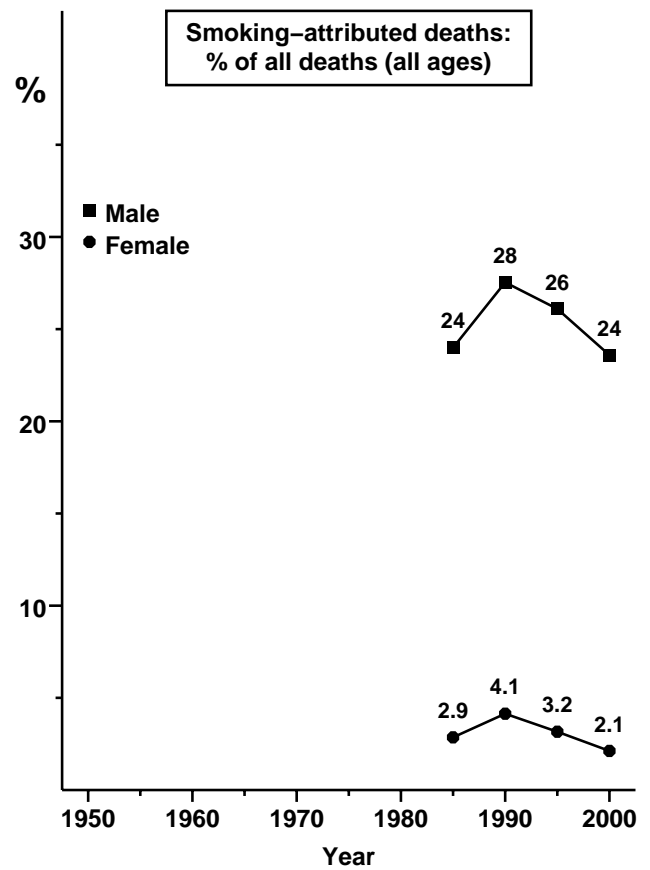
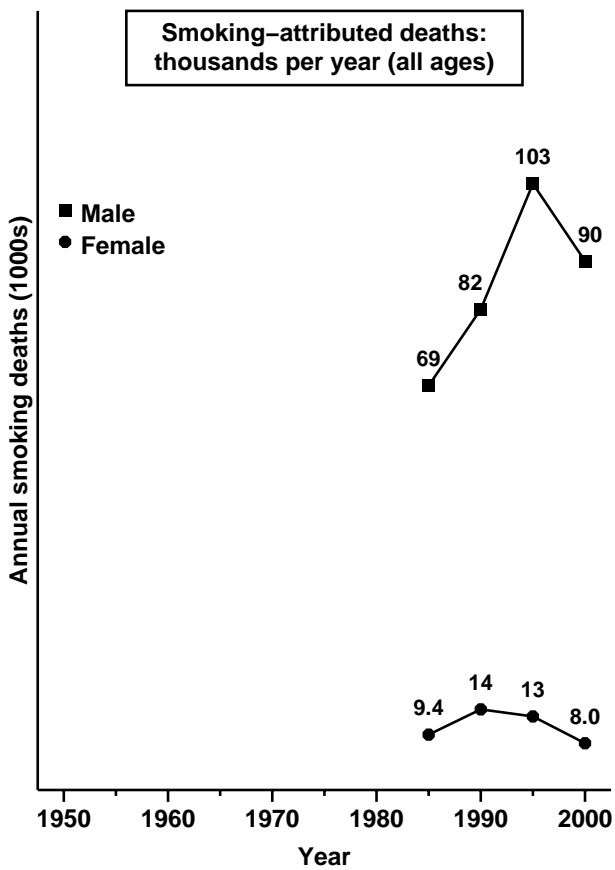
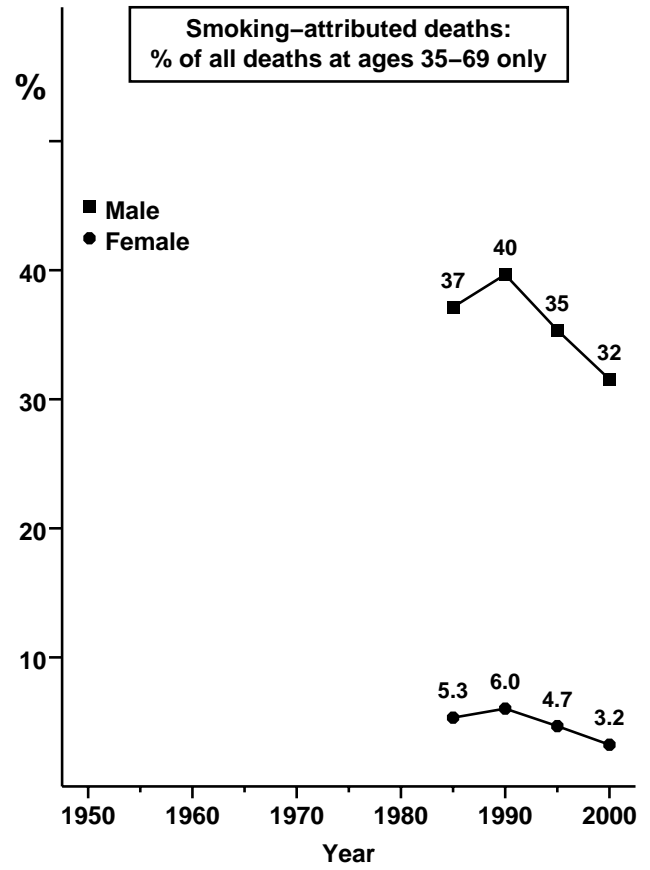
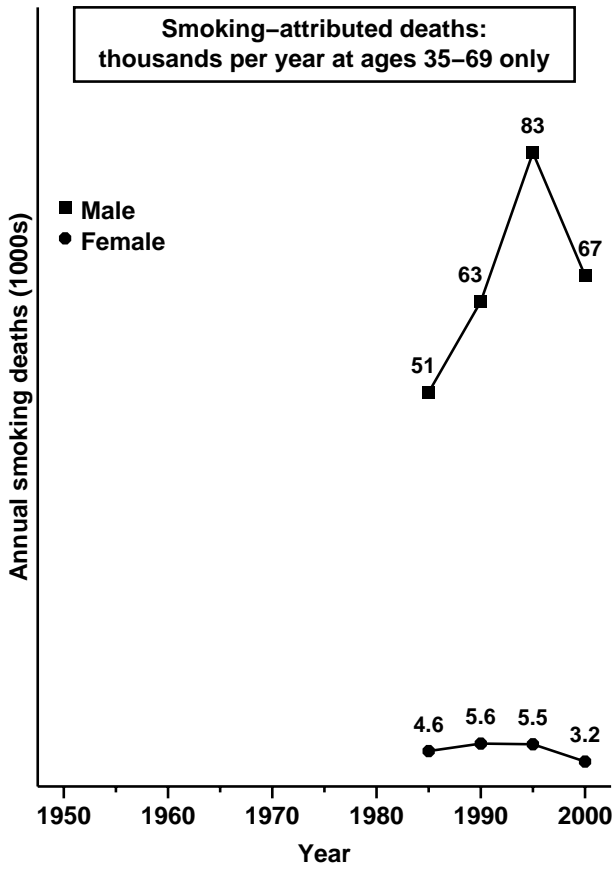
1980-2000 by age & sex:

-/0.6M	1.3/3.7M	0.4/2.5M	1.7/6.8M	-/0.3M	0.1/2.0M	0.1/5.0M	0.2/7.3M
	<b>(36%)</b>	<b>(15%)</b>			<b>( 5%)</b>	<b>( 2%)</b>	

\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

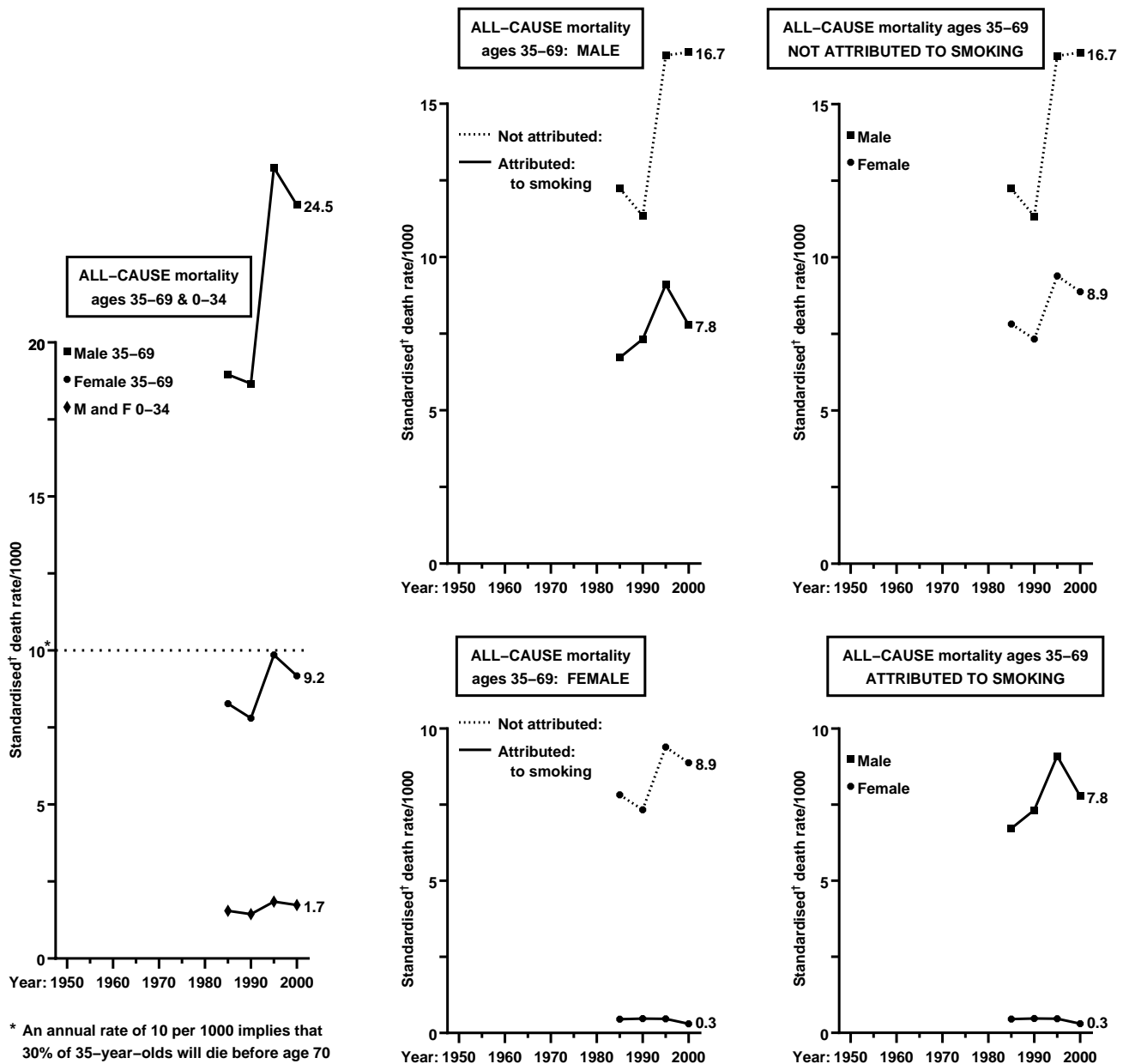


1985-2000: UKRAINE



**UKRAINE: 1985-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

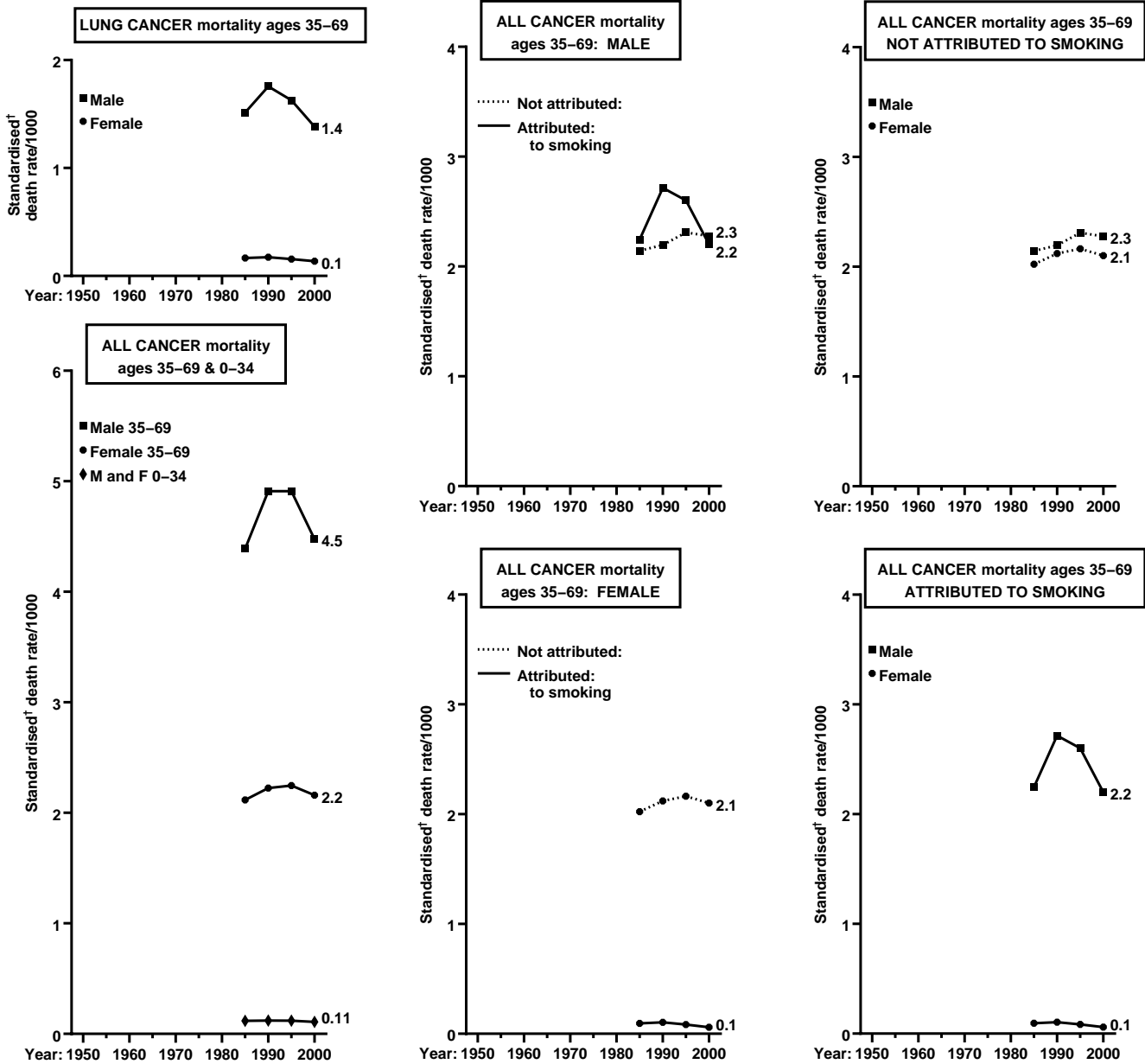
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)						FEMALE all-cause mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	...	...	...	...	...	...	...	...	...	...	...	
1955	...	...	...	...	...	...	...	...	...	...	...	
1960	...	...	...	...	...	...	...	...	...	...	...	
1965	...	...	...	...	...	...	...	...	...	...	...	
1970	...	...	...	...	...	...	...	...	...	...	...	
1975	...	...	...	...	...	...	...	...	...	...	...	
1980	...	...	...	...	...	...	...	...	...	...	...	
1985	-	2.07	6.72	12.2	13.6	69.6	-	1.01	0.45	7.82	1.36	51.7
1990	-	2.01	7.32	11.3	15.8	61.9	-	0.86	0.47	7.33	2.28	47.0
1995	-	2.62	9.10	16.6	16.5	73.4	-	1.06	0.46	9.39	1.92	55.0
2000	-	2.51	7.78	16.7	15.5	73.0	-	0.95	0.30	8.87	1.18	52.6

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1985-2000: UKRAINE

ALL CANCER mortality rates attributed and not attributed to smoking



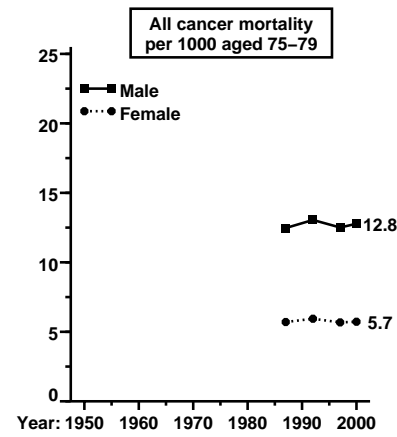
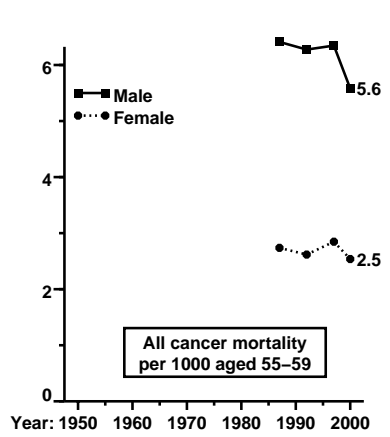
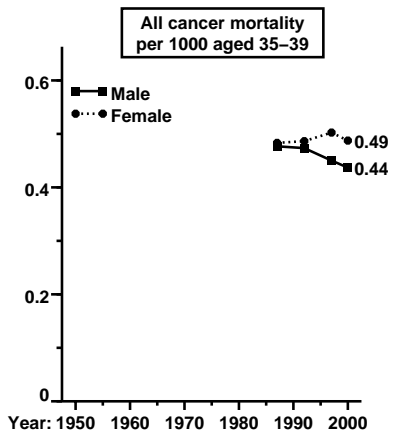
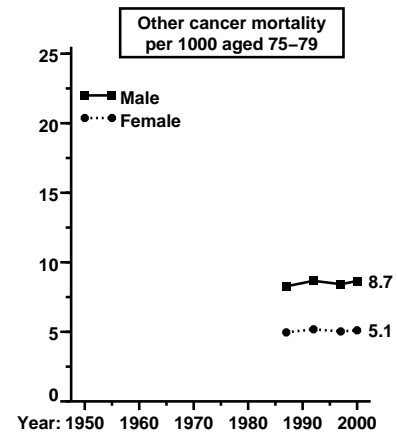
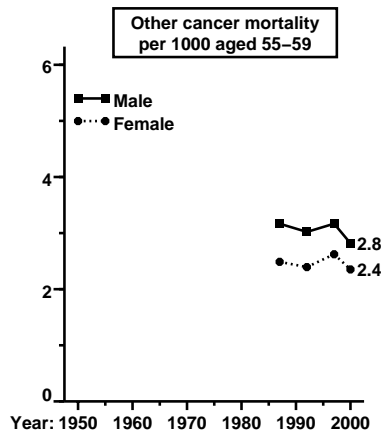
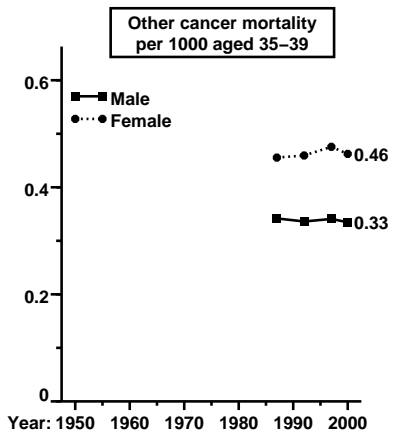
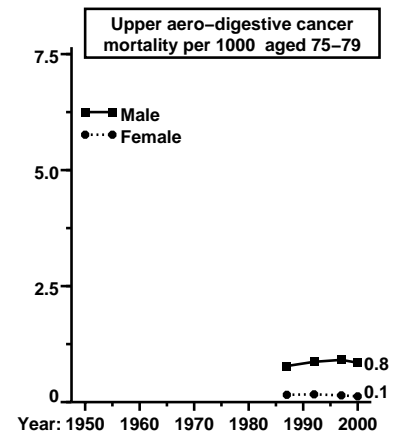
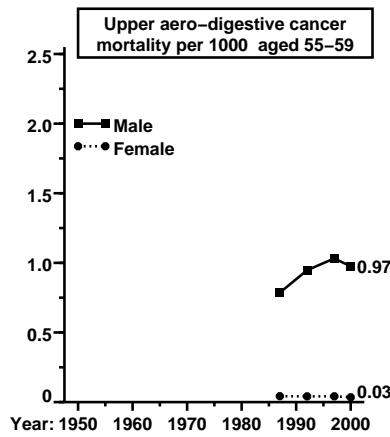
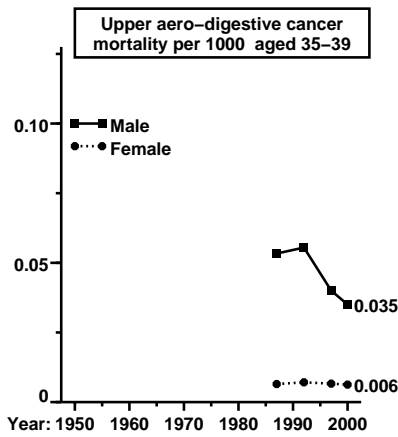
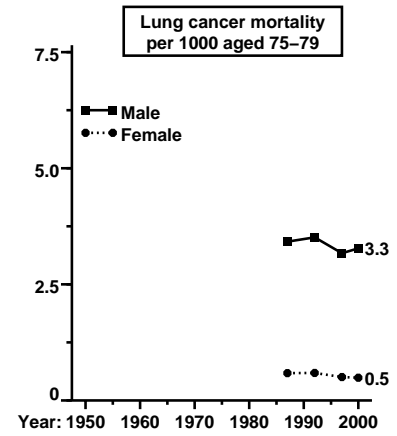
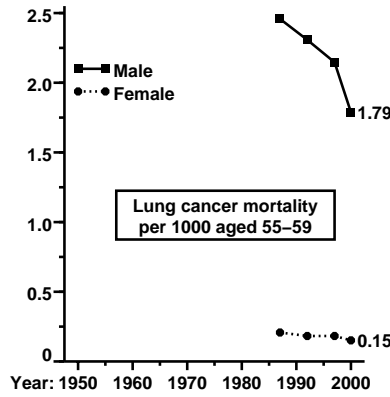
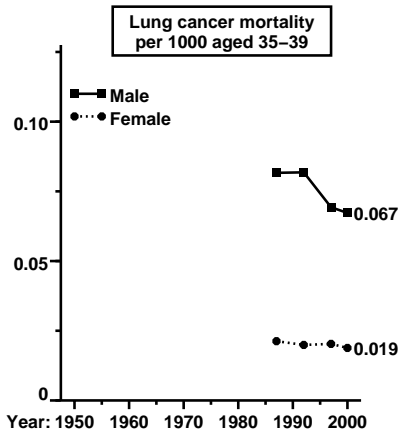
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	0.12	2.25	2.14	4.04	7.50	-	0.11	0.09	2.02	0.21	4.92	-	0.11	0.09	2.02
1990	-	0.13	2.71	2.19	5.01	8.29	-	0.11	0.10	2.12	0.40	5.61	-	0.12	0.08	2.16
1995	-	0.12	2.60	2.31	4.49	8.21	-	0.12	0.08	2.16	0.29	5.46	-	0.12	0.08	2.16
2000	-	0.11	2.20	2.28	4.40	8.23	-	0.10	0.06	2.10	0.19	5.30	-	0.10	0.06	2.10

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**UKRAINE: 1985-2000**

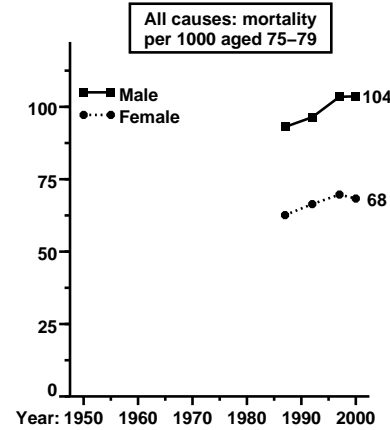
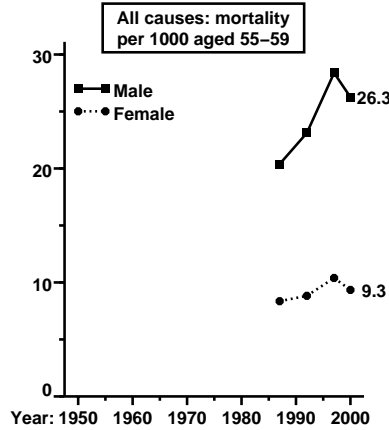
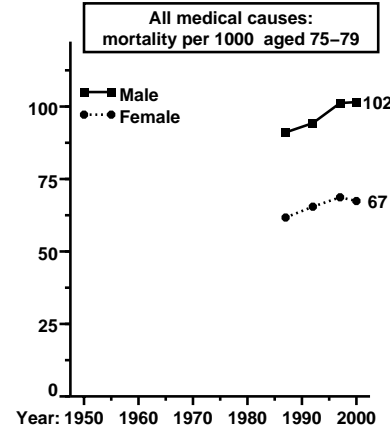
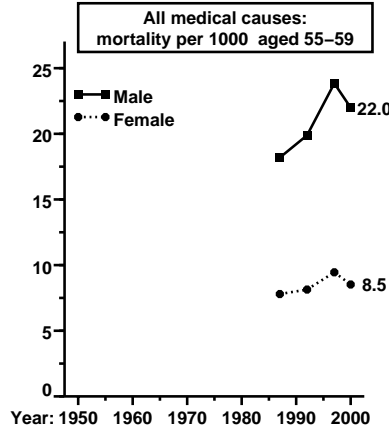
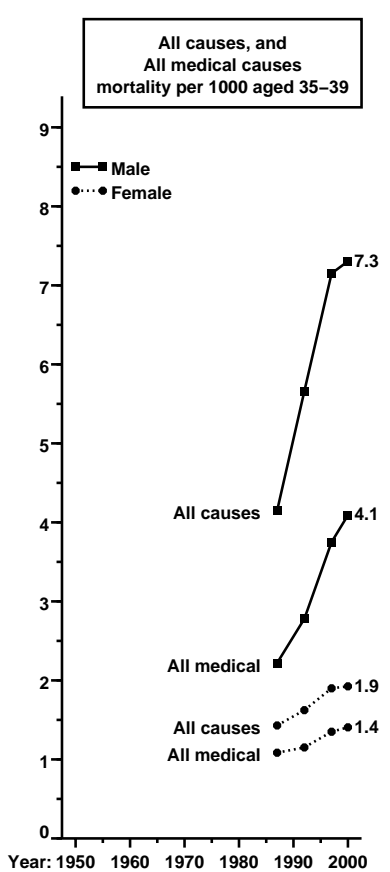
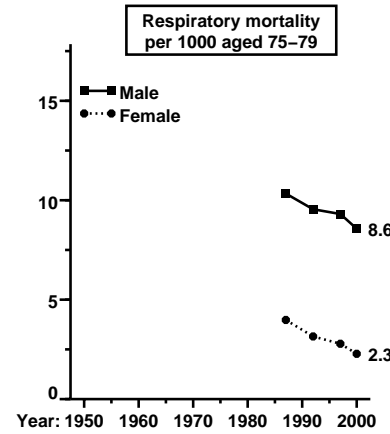
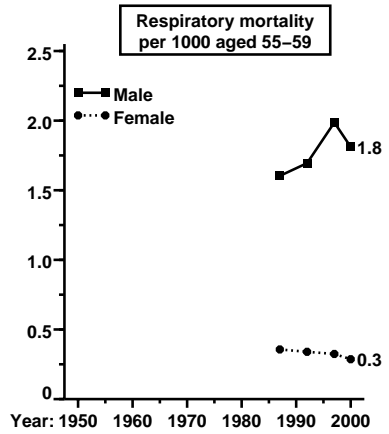
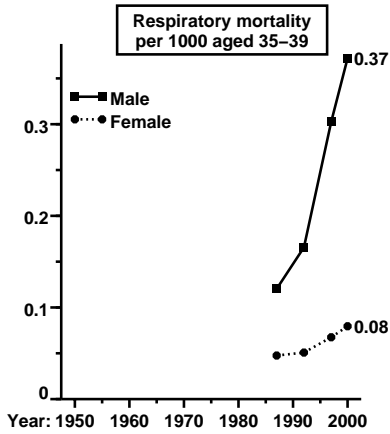
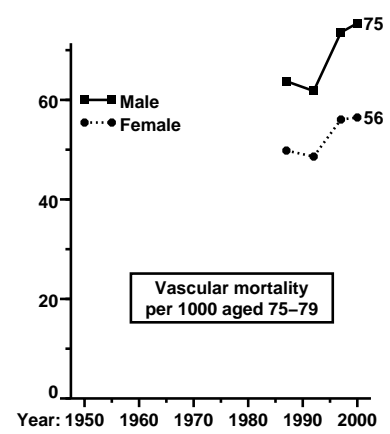
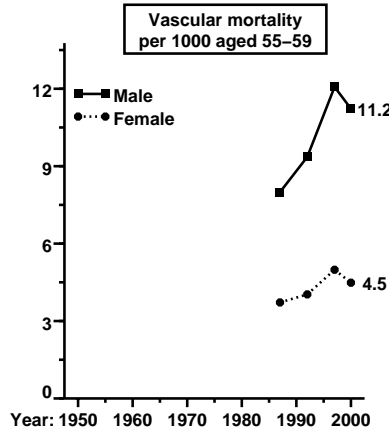
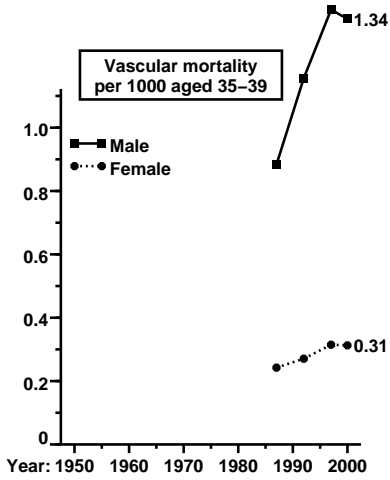
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; then year 2000 separately

1985-2000: UKRAINE

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1985-89,.....,1995-99; then year 2000 separately

## UNITED KINGDOM: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	290186	10009	83480	836.8	74.4	804.6	137.7	13.1	16.4	56.7	85.0	102.0	109.7
	F	318180	5273	54196	577.3	39.7	495.4	112.7	9.7	10.7	25.3	30.2	37.7	51.7
Tuberculosis	M	269	5	92	0.8	0.0	0.9	-	-	0.1	-	-	-	0.2
	F	231	12	65	0.5	0.1	0.6	0.1	0.1	-	-	0.1	0.3	0.1
HIV	M	161	34	124	0.5	0.2	0.9	0.1	-	-	-	0.1	0.5	0.9
	F	45	15	27	0.1	0.1	0.2	-	-	-	-	-	0.2	0.5
Other infective and parasitic	M	1619	208	544	5.0	1.6	4.9	5.3	0.4	0.6	1.1	1.3	0.9	1.5
	F	1994	183	421	4.2	1.4	3.7	4.9	0.7	0.4	1.3	0.9	1.2	0.7
ALL CANCER	M	78011	799	28539	228.6	5.8	281.6	3.1	3.5	2.8	5.1	5.7	7.8	12.4
	F	73175	775	25432	163.4	5.4	230.5	2.1	2.0	2.3	3.2	4.8	7.3	15.8
Mouth and pharynx cancer	M	1183	13	697	3.7	0.1	6.5	0.1	-	-	0.1	0.1	0.1	0.3
	F	731	12	286	1.7	0.1	2.6	-	-	0.1	0.1	0.1	0.2	0.3
Oesophagus cancer	M	4296	7	1904	12.9	0.0	18.4	-	-	-	-	-	0.1	0.3
	F	2623	2	630	5.2	0.0	5.9	-	-	-	-	-	0.1	-
Stomach cancer	M	4080	11	1327	11.8	0.1	13.3	-	-	-	0.1	0.1	0.2	0.2
	F	2528	13	581	5.0	0.1	5.4	-	-	-	-	0.1	0.1	0.5
Colorectal cancer	M	8539	34	3081	24.9	0.2	30.6	-	-	-	0.1	0.3	0.4	0.9
	F	7726	33	1981	15.5	0.2	18.3	-	-	0.1	0.2	0.4	0.2	0.8
Liver cancer	M	668	12	328	2.0	0.1	3.2	-	0.1	-	0.1	0.1	0.3	0.1
	F	208	7	85	0.5	0.0	0.8	0.1	-	0.1	-	0.1	0.1	0.1
Pancreas cancer	M	3369	9	1436	10.1	0.1	14.0	-	-	-	-	-	0.1	0.4
	F	3528	3	1055	7.5	0.0	9.9	-	-	0.1	-	-	0.1	0.0
Larynx cancer	M	676	2	335	2.1	0.0	3.2	-	-	-	-	-	-	0.1
	F	165	-	62	0.4	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	20684	23	7872	60.7	0.2	79.2	-	-	-	0.1	0.2	0.2	0.7
	F	13085	11	4728	30.2	0.1	44.4	-	-	-	-	-	0.1	0.4
Malignant melanoma	M	862	43	518	2.7	0.3	4.7	-	-	0.1	0.2	0.3	0.5	1.1
	F	820	23	409	2.1	0.2	3.5	0.1	-	-	0.1	0.1	0.4	0.5
Female breast cancer	F	12768	159	5916	31.2	1.0	51.0	-	-	-	-	0.3	1.3	5.5
Cervix cancer	F	1253	58	677	3.3	0.4	5.6	-	-	-	-	0.2	0.8	1.7
Other uterine cancer	F	1494	4	518	3.3	0.0	4.9	-	-	-	-	-	0.1	0.1
Ovarian cancer	F	4422	36	2107	11.1	0.3	19.1	-	0.1	-	0.1	0.4	0.6	0.6
Prostate cancer	M	9279	-	1522	25.2	-	16.3	-	-	-	-	-	-	-
Bladder cancer	M	3195	6	783	9.0	0.0	8.0	-	-	-	-	0.1	0.1	0.2
	F	1746	2	325	3.2	0.0	3.1	-	-	-	-	-	-	0.1
Other and ill-defined cancer sites	M	15401	370	6407	46.1	2.7	61.7	1.5	2.1	1.4	2.4	3.0	3.6	4.9
	F	14721	254	4432	31.6	1.8	40.5	1.1	1.1	1.6	1.4	2.2	2.1	3.3
Hodgkin's disease	M	154	24	98	0.5	0.2	0.9	-	-	0.1	-	0.2	0.5	0.5
	F	124	17	55	0.3	0.1	0.5	-	-	-	-	0.3	0.3	0.3
Myeloma and non-Hodgkin lymphomas	M	3442	73	1471	10.3	0.5	14.2	0.1	0.2	0.3	0.5	0.3	0.8	1.4
	F	3429	42	1088	7.4	0.3	10.1	0.1	0.1	-	0.5	0.3	0.3	0.8
Leukaemia	M	2183	172	760	6.5	1.3	7.3	1.4	1.1	1.1	1.7	1.0	1.2	1.4
	F	1804	99	497	3.9	0.7	4.4	0.8	0.7	0.5	0.8	0.6	0.9	0.9
Diabetes	M	3047	40	889	8.7	0.3	8.7	-	-	-	0.3	0.2	0.7	0.8
	F	3431	35	631	6.3	0.2	5.9	-	0.1	0.1	0.2	0.2	0.5	0.7
ALL VASCULAR DISEASE	M	113784	609	30822	322.2	4.4	303.6	4.6	0.7	0.8	2.2	3.8	7.3	11.2
	F	122939	385	13506	202.6	2.8	128.2	4.5	0.4	0.6	1.7	2.4	4.4	5.5
Rheumatic heart disease and fever	M	468	10	152	1.4	0.1	1.5	0.1	-	-	-	0.1	0.2	0.2
	F	1321	5	296	2.5	0.0	2.9	0.1	-	-	-	0.1	-	0.1
Hypertensive disease	M	1596	7	545	4.6	0.0	5.2	-	0.1	-	-	-	-	0.3
	F	2027	3	263	3.4	0.0	2.5	-	-	-	-	-	-	0.1
Ischaemic heart disease	M	68459	127	21175	196.3	0.9	208.6	0.2	-	-	0.2	0.5	1.6	3.7
	F	55608	32	6863	94.1	0.2	66.2	0.2	-	0.1	-	0.1	0.4	0.8
Pulmonary embolism and other venous	M	2999	27	978	8.6	0.2	9.4	0.1	-	-	0.1	0.1	0.4	0.7
	F	5008	55	957	9.4	0.4	8.8	0.1	-	0.1	0.1	0.6	0.6	1.2
Cerebrovascular disease	M	22599	144	4164	62.0	1.0	41.2	1.0	0.2	0.5	0.3	0.9	1.8	2.6
	F	38196	108	3299	60.0	0.8	30.7	0.5	0.3	0.2	0.7	0.6	1.5	1.7
Other vascular disease	M	17663	294	3808	49.3	2.2	37.6	3.2	0.5	0.4	1.7	2.3	3.3	3.7
	F	20779	182	1828	33.1	1.4	17.2	3.7	0.2	0.3	0.9	1.1	2.0	1.5
Chronic obstructive pulmonary disease	M	15990	82	3247	44.2	0.6	33.5	0.3	0.2	0.6	0.4	0.9	0.7	1.0
	F	13277	61	2547	25.7	0.4	24.6	-	0.3	0.3	0.5	0.6	0.6	0.9
Other respiratory disease	M	30222	294	3990	81.7	2.2	39.5	6.7	0.3	0.4	1.4	1.7	1.8	3.1
	F	42567	206	2608	63.5	1.5	24.3	4.1	0.6	0.8	1.0	1.1	1.1	2.2
Peptic ulcer	M	2058	6	541	5.8	0.0	5.2	-	-	-	-	-	0.1	0.2
	F	2386	9	326	4.1	0.1	3.1	0.1	0.1	0.1	0.1	-	0.2	0.1
Liver cirrhosis	M	3619	102	2922	12.2	0.7	24.8	-	-	0.1	-	0.1	1.1	3.5
	F	2198	76	1573	6.6	0.5	13.0	0.1	-	-	0.1	0.2	1.3	1.9
Renal disease	M	1898	18	319	5.2	0.1	3.2	0.4	-	-	0.1	0.2	0.2	0.1
	F	2190	35	263	3.7	0.3	2.4	0.7	0.2	0.1	0.1	0.1	0.4	0.4
Pregnancy, birth	F	46	32	14	0.1	0.2	0.1	-	-	-	0.1	0.1	0.6	0.7
Congenital and perinatal causes	M	2051	1724	209	8.5	13.5	1.7	86.6	0.8	1.4	1.5	1.4	1.4	1.4
	F	1718	1372	199	7.1	11.2	1.6	71.8	1.0	0.6	1.2	1.2	1.2	1.4
Ill-defined causes	M	3235	332	356	9.2	2.6	3.0	12.2	0.1	0.2	0.7	1.3	2.0	1.5
	F	10992	194	167	14.8	1.6	1.4	8.8	0.1	0.1	0.3	0.6	0.4	0.6
Other medical causes	M	21914	1576	5572	63.2	11.6	50.9	12.1	3.4	3.0	7.8	14.9	18.8	20.9
	F	33769	807	4398	57.9	6.0	39.5	9.9	2.5	3.2	4.9	5.8	6.9	8.6
ALL NON-MEDICAL CAUSES	M	12308	4180	5314	40.8	30.9	42.2	6.3	3.8	6.7	36.0	53.4	58.9	50.9
	F	7222	1076	2019	16.6	7.9	16.1	5.7	1.7	2.3	10.7	12.1	11.4	11.6
Road traffic accidents	M	2483	1274	916	8.6	9.5	7.2	1.0	1.8	3.2	16.9	17.1	15.4	11.3
	F	871	284	301	2.5	2.1	2.4	0.8	0.6	1.2	3.9	3.8	2.5	2.2
Fire	M	252	71	103	0.8	0.5	0.8	0.4	0.5	0.4	0.3	0.5	0.5	1.1
	F	182	29	64	0.5	0.2	0.5	0.5	0.2	0.1	0.1	0.2	0.1	0.3
Suicide	M	3311	1163	1811	11.3	8.5	14.0	-	-	0.3	6.5	15.5	19.3	17.9
	F	979	272	545	3.1	1.9	4.2	-	-	0.2	2.3	3.4	3.9	3.8
Homicide	M	351	201	141	1.3	1.5	1.0	0.7	0.5	0.4	1.6	3.3	2.5	1.7
	F	178	82	74	0.6	0.6	0.5	0.8	0.2	0.2	1.0	0.7	0.8	0.7
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				28513	13464	12391	1816	1924	1992	1837	1753	1913	1913	2229

## 2000: UNITED KINGDOM

## Annual death rates / 100,000

(zero denoted by -)

## 9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
139.4	193.9	315.4	476.1	812.8	1403.6	2291.1	3874.7	6432.4	13236.2	M	ALL CAUSES	001-999/A00-Y89
78.2	130.1	207.1	320.3	511.7	839.0	1381.4	2348.9	4139.2	11202.3	F		
0.4	0.2	0.4	0.4	1.0	1.5	2.2	3.9	6.3	10.2	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.1	0.2	0.2	0.3	0.3	0.8	2.4	2.2	4.2	4.7	F		
1.8	1.5	1.3	0.4	0.4	0.6	0.5	0.3	-	-	M	HIV	279.5, 279.6/B20-B24
0.6	0.2	0.2	-	0.1	0.2	-	0.1	0.2	-	F		
1.8	2.3	3.7	3.7	4.5	7.6	11.1	16.6	28.3	59.1	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
1.2	1.4	2.1	2.8	3.8	6.1	8.6	12.9	21.9	60.1	F		
19.9	37.3	82.2	156.0	294.8	539.2	841.8	1288.4	1848.0	2554.7	M	ALL CANCER	140-208/C00-C97
28.7	59.2	101.5	173.1	270.6	402.8	577.8	819.9	1090.1	1476.9	F		
0.4	1.4	3.4	6.2	8.4	11.4	14.4	14.2	18.2	22.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.3	0.5	1.1	2.0	3.2	4.9	6.1	7.2	8.3	15.1	F		
0.9	2.3	6.1	12.3	24.5	35.1	47.9	67.3	95.0	114.8	M	Oesophagus cancer	150/C15
0.3	0.6	1.6	3.5	6.6	12.0	17.0	30.4	44.2	67.5	F		
1.0	1.6	3.8	5.8	12.1	25.2	43.7	75.6	101.4	142.7	M	Stomach cancer	151/C16
0.7	1.1	1.8	2.9	4.8	9.3	17.4	27.5	42.4	67.6	F		
1.4	3.8	7.9	16.0	31.8	59.6	94.0	143.8	212.0	278.0	M	Colorectal cancer	153, 154/C18-C21
1.4	3.9	6.0	12.1	20.5	31.5	52.9	78.5	122.1	204.1	F		
0.4	0.5	1.1	2.2	2.9	5.9	9.3	12.8	12.6	11.5	M	Liver cancer	155.0/C22 excl C221
0.2	0.2	0.3	0.7	0.8	1.2	1.8	2.8	2.9	2.9	F		
0.6	1.7	4.9	8.3	17.9	28.1	36.6	54.8	72.8	95.9	M	Pancreas cancer	157/C25
0.4	1.2	2.7	5.2	11.5	18.6	29.9	43.2	59.5	76.1	F		
0.2	0.3	1.0	2.8	3.9	6.5	7.8	9.5	12.0	18.0	M	Larynx cancer	161/C32
-	0.1	0.1	0.2	0.9	1.1	1.7	1.9	2.5	3.0	F		
1.8	6.0	16.0	37.8	83.3	155.9	254.0	386.4	524.0	565.4	M	Lung cancer	162/C33, C34
1.3	5.6	13.7	26.2	50.0	81.0	132.7	202.2	229.4	191.7	F		
1.5	1.8	2.5	4.3	5.5	7.9	9.3	10.5	11.0	12.9	M	Malignant melanoma	172/C43
0.6	2.1	3.0	3.6	4.1	4.8	6.2	7.1	7.4	13.1	F		
11.5	21.4	33.2	54.3	66.8	79.5	90.3	109.7	143.8	224.4	F	Female breast cancer	174/C50
3.1	4.7	5.1	5.0	6.0	7.2	7.9	10.5	13.3	14.2	F	Cervix cancer	180/C53
0.1	0.5	1.6	2.7	5.8	10.0	13.4	15.5	23.8	30.8	F	Other uterine cancer	179, 182/C54, C55
1.3	3.7	9.0	14.7	24.9	37.2	43.2	50.6	54.9	61.6	F	Ovarian cancer	183/C56, C570-C574
0.0	0.1	0.9	3.3	9.1	31.0	69.4	131.2	255.9	549.0	M	Prostate cancer	185/C61
-	0.4	1.6	3.0	6.8	17.0	27.3	58.2	80.2	145.6	M	Bladder cancer	188/C67
0.3	0.4	0.9	1.7	2.4	5.7	10.1	17.2	28.1	54.1	F		
7.9	12.3	24.4	39.9	65.2	116.5	165.9	237.9	330.0	436.8	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
5.0	9.1	15.2	28.8	46.5	71.7	107.2	158.2	226.3	333.9	F		
0.5	0.4	0.4	0.8	0.9	1.2	1.9	0.8	1.8	1.0	M	Hodgkin's disease	201/C81
0.4	0.2	0.4	0.5	0.4	0.6	0.7	1.2	1.5	1.2	F		
1.8	3.0	5.7	8.7	14.9	25.6	39.7	53.3	75.3	92.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.8	2.2	3.5	5.6	11.3	18.7	28.7	38.5	53.5	73.5	F	Leukaemia	204-208/C91-C95
1.5	1.8	2.5	4.6	7.6	12.5	20.7	32.0	45.9	68.9	M		
1.2	1.5	2.6	3.4	4.0	7.9	10.4	17.6	26.3	42.0	F		
1.6	1.9	3.2	4.4	7.3	16.7	25.4	46.1	67.5	138.5	M	Diabetes	250/E10-E14
1.3	1.1	1.7	2.5	4.3	11.2	19.5	28.8	48.6	113.7	F		
23.2	49.8	98.4	170.3	304.8	539.9	938.7	1621.7	2753.4	5478.8	M	ALL VASCULAR DISEASE	390-459/I00-I99
10.2	20.2	35.7	58.3	108.1	224.3	440.9	863.9	1731.1	4832.5	F		
0.3	0.1	0.5	0.8	1.6	2.8	4.3	7.3	12.6	16.2	M	Rheumatic heart disease and fever	390-398/I00-I09
0.3	0.5	0.5	0.9	2.0	5.2	10.6	13.2	22.1	36.9	F		
0.5	1.4	2.0	2.7	7.0	9.5	13.6	21.6	36.6	66.3	M	Hypertensive disease	401-405/I10-I15
0.3	0.2	0.6	1.3	2.4	4.7	7.8	16.0	26.8	77.3	F		
11.9	31.0	66.7	118.5	220.6	380.9	630.7	1041.4	1648.5	2907.5	M	Ischaemic heart disease	410-414/I20-I25
2.8	7.4	13.8	25.2	52.1	121.0	241.0	455.5	872.2	2032.3	F		
1.6	2.5	4.1	5.9	8.9	14.9	27.9	41.5	73.3	122.5	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.5	2.2	3.8	5.2	9.0	14.3	25.2	44.9	76.3	157.3	F		
4.4	8.3	13.6	22.2	33.3	67.9	138.8	269.9	561.5	1392.9	M	Cerebrovascular disease	430-438/I60-I69
3.0	6.7	12.2	17.7	27.4	50.2	97.8	212.0	475.1	1647.8	F		
4.6	6.4	11.6	20.2	33.4	63.9	123.4	240.1	420.9	973.4	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
2.3	3.2	4.7	7.9	15.1	28.9	58.5	122.3	258.5	881.0	F		
0.9	2.4	5.1	10.4	28.4	65.1	122.1	255.4	448.7	807.2	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.9	2.2	4.2	9.4	20.9	45.5	89.3	175.0	262.4	334.0	F		
3.8	7.5	12.6	20.5	34.7	68.7	128.6	280.8	631.1	2288.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
3.3	4.8	9.4	12.5	22.3	42.4	75.5	173.8	422.9	2023.4	F		
0.4	1.1	2.1	3.4	5.5	9.0	15.0	29.5	55.1	96.0	M	Peptic ulcer	531-533/K25-K27
0.3	0.8	0.8	1.1	2.7	5.2	10.9	18.7	36.2	86.3	F		
8.2	17.1	25.5	29.1	32.4	34.1	27.5	26.0	22.4	17.4	M	Liver cirrhosis	571/K70, K74
4.8	8.5	12.6	14.7	16.3	16.0	18.4	15.9	15.6	10.2	F		
0.4	0.7	0.8	1.7	2.7	4.8	11.0	21.9	43.9	124.7	M	Renal disease	580-590/N00-N19
0.6	0.3	0.7	1.6	2.2	4.3	7.3	13.3	25.5	88.5	F		
0.5	0.1	-	-	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
1.5	1.2	1.4	1.7	2.6	2.1	1.6	2.5	4.4	7.1	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.2	1.3	1.2	1.6	2.0	2.0	2.1	2.7	3.3	4.6	F	Ill-defined causes	780-799/R00-R99
2.4	2.0	2.8	2.5	3.9	3.5	3.8	5.9	14.4	304.5	M		
0.9	1.0	1.0	1.1	1.3	1.8	3.0	5.3	21.8	639.3	F		
21.3	24.0	30.9	33.1	51.8	73.0	122.4	221.6	427.2	1147.0	M	Other medical causes	Rest of 001-799/ rest of A00-R99
10.4	13.7	19.6	26.5	40.2	61.2	104.9	185.6	401.2	1335.7	F		
51.8	44.8	44.9	38.4	38.1	37.9	39.5	54.2	81.5	202.2	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
13.4	15.1	16.5	15.0	16.8	15.3	20.8	30.9	54.1	192.5	F		
10.7	7.9	6.7	6.1	5.7	6.4	6.8	7.3	8.9	18.4	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
2.1	2.3	2.6	1.7	2.5	2.0	3.8	5.3	6.5	8.8	F		
0.6	0.9	0.9	0.7	1.1	1.0	0.7	1.9	2.8	4.5	M	Fire	E890-E899/X00-X09
0.3	0.4	0.5	0.5	0.6	0.5	0.9	0.5	1.9	3.8	F		
18.8	16.3	17.3	14.0	12.0	10.4	9.4	10.7	11.7	16.3	M	Suicide	E950-E959/X60-X84
4.3	4.5	5.3	4.5	4.3	3.2	3.1	4.1	4.0	3.9	F		
2.1	1.7	0.8	0.9	1.1	0.5	0.2	0.4	0.5	0.1	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.8	1.2	0.5	0.4	0.4	0.1	0.2	0.4	0.7	0.6	F		
2275	2016	1826	2039	1607	1389	1238	1061	820	777	M	POPULATION	
2348	2056	1864	2060	1640	1447	1353	1290	1153	1613	F	(1000s; UN, 2004 revision)	

<b>UNITED KINGDOM: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	11417	904	17	23	864	62	420	709	80	4594	4648
35-69	Sm.	27990	12946	8746	1694	2506	2909	857	9240	-	2038	-
	Total	93479	31547	9609	2871	19067	3895	3620	39033	1911	8458	5015
		(30%)	(41%)	(91%)	(59%)	(13%)	(75%)	(24%)	(24%)		(24%)	
70+	Sm.	48403	19368	12783	1963	4622	10896	2943	12443	-	2753	-
	Total	205826	49867	13936	3159	32772	14490	23989	92959	556	21490	2475
		(24%)	(39%)	(92%)	(62%)	(14%)	(75%)	(12%)	(13%)		(13%)	
Any age	Sm.	76393	32314	21529	3657	7128	13805	3800	21683	-	4791	-
	Total	310722	82318	23562	6053	52703	18447	28029	132701	2547	34542	12138
		(25%)	(39%)	(91%)	(60%)	(14%)	(75%)	(14%)	(16%)		(14%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	10009	799	23	22	754	82	294	609	102	3943	4180
35-69	Sm.	21196	10405	6984	1548	1873	2251	780	6040	-	1720	-
	Total	83480	28539	7872	2936	17731	3247	3990	30822	2922	8646	5314
		(25%)	(36%)	(89%)	(53%)	(11%)	(69%)	(20%)	(20%)		(20%)	
70+	Sm.	42279	17688	11609	1896	4183	9265	2899	9718	-	2709	-
	Total	196697	48673	12789	3197	32687	12661	25938	82353	595	23663	2814
		(21%)	(36%)	(91%)	(59%)	(13%)	(73%)	(11%)	(12%)		(11%)	
Any age	Sm.	63475	28093	18593	3444	6056	11516	3679	15758	-	4429	-
	Total	290186	78011	20684	6155	51172	15990	30222	113784	3619	36252	12308
		(22%)	(36%)	(90%)	(56%)	(12%)	(72%)	(12%)	(14%)		(12%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	27900	13567	11800	2027	1865	2043	1738	1484	1374	1269	1097	732	703
2000	28513	13464	12391	2275	2016	1826	2039	1607	1389	1238	1061	820	777
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	310722	11417	93479	2821	3933	6578	9066	13937	22131	35013	50446	50633	104747
2000	290186	10009	83480	3171	3910	5760	9710	13060	19496	28373	41126	52726	102845
<b>Lung cancer</b>													
1995	23562	17	9609	44	149	410	831	1511	2544	4120	5145	4112	4679
2000	20684	23	7872	40	120	293	771	1338	2165	3145	4101	4295	4393
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	946.9*	82.6*	928.9*	139.2	210.9	321.9	521.7	938.9	1611.3	2758.4	4597.7	6913.3	14891.5
2000	836.8*	74.4*	804.6*	139.4	193.9	315.4	476.1	812.8	1403.6	2291.1	3874.7	6432.4	13236.2
<b>All cancer</b>													
1995	253.4*	6.4*	317.9*	21.4	45.5	89.9	180.4	339.8	576.0	972.0	1447.4	1892.0	2861.7
2000	228.6*	5.8*	281.6*	19.9	37.3	82.2	156.0	294.8	539.2	841.8	1288.4	1848.0	2554.7
<b>Lung cancer</b>													
1995	72.5*	0.1*	98.5*	2.2	8.0	20.1	47.8	101.8	185.2	324.6	468.9	561.4	665.2
2000	60.7*	0.2*	79.2*	1.8	6.0	16.0	37.8	83.3	155.9	254.0	386.4	524.0	565.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	19.1*	0.2*	28.3*	1.6	5.1	10.4	22.2	34.4	52.3	72.2	103.8	126.0	156.0
2000	18.7*	0.2*	28.2*	1.5	4.0	10.5	21.2	36.8	53.0	70.1	91.0	125.2	155.1
<b>Other cancer</b>													
1995	161.7*	6.2*	191.0*	17.6	32.4	59.4	110.4	203.7	338.5	575.2	874.7	1204.5	2040.5
2000	149.2*	5.5*	174.2*	16.6	27.4	55.6	96.9	174.7	330.4	517.8	811.0	1198.9	1834.2
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	54.0*	0.5*	40.9*	1.1	2.2	4.9	12.6	28.9	76.1	160.5	326.2	515.3	1014.6
2000	44.2*	0.6*	33.5*	0.9	2.4	5.1	10.4	28.4	65.1	122.1	255.4	448.7	807.2
<b>Other respiratory disease</b>													
1995	81.6*	3.0*	36.1*	7.2	9.3	12.6	17.3	29.6	57.4	119.4	275.1	570.9	2387.0
2000	81.7*	2.2*	39.5*	3.8	7.5	12.6	20.5	34.7	68.7	128.6	280.8	631.1	2288.9
<b>Vascular disease</b>													
1995	399.3*	5.0*	394.2*	25.6	59.3	116.1	206.9	396.3	714.5	1240.5	2110.6	3224.3	6566.1
2000	322.2*	4.4*	303.6*	23.2	49.8	98.4	170.3	304.8	539.9	938.7	1621.7	2753.4	5478.8
<b>Liver cirrhosis</b>													
1995	8.8*	0.5*	17.2*	5.6	11.0	15.6	16.7	23.4	25.3	22.8	24.0	22.8	17.9
2000	12.2*	0.7*	24.8*	8.2	17.1	25.5	29.1	32.4	34.1	27.5	26.0	22.4	17.4
<b>Other medical causes</b>													
1995	108.1*	33.6*	80.5*	31.6	35.8	41.7	48.7	79.2	125.6	200.7	363.8	609.6	1852.9
2000	106.9*	29.9*	79.5*	31.6	35.0	46.7	51.5	79.7	118.8	193.0	348.2	647.2	1887.0
<b>All non-medical causes</b>													
1995	41.7*	33.5*	42.2*	46.7	47.9	41.1	39.0	41.7	36.5	42.5	50.6	78.4	191.4
2000	40.8*	30.9*	42.2*	51.8	44.8	44.9	38.4	38.1	37.9	39.5	54.2	81.5	202.2

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994



## 1995, 2000: UNITED KINGDOM

## Female smoking-attributed deaths (Sm.) and total deaths (Total)

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5956	918	11	17	890	64	245	455	50	3058	1166
35-69	Sm.	13235	5182	3961	531	690	2098	547	3983	-	1425	-
	Total	59708	27343	4951	1041	21351	2954	2436	17384	1144	6566	1881
		(22%)	(19%)	(80%)	(51%)	(3%)	(71%)	(22%)	(23%)		(22%)	
70+	Sm.	39377	9948	6859	1418	1671	7777	3838	13590	-	4224	-
	Total	269107	47297	8076	2422	36799	10257	39227	126908	549	40938	3931
		(15%)	(21%)	(85%)	(59%)	(5%)	(76%)	(10%)	(11%)		(10%)	
Any age	Sm.	52612	15130	10820	1949	2361	9875	4385	17573	-	5649	-
	Total	334771	75558	13038	3480	59040	13275	41908	144747	1743	50562	6978
		(16%)	(20%)	(83%)	(56%)	(4%)	(74%)	(10%)	(12%)		(11%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	5273	775	11	14	750	61	206	385	76	2694	1076
35-69	Sm.	11329	4804	3724	479	601	1760	549	2879	-	1337	-
	Total	54196	25432	4728	978	19726	2547	2608	13506	1573	6511	2019
		(21%)	(19%)	(79%)	(49%)	(3%)	(69%)	(21%)	(21%)		(21%)	
70+	Sm.	39983	10382	7135	1518	1729	8212	4189	12090	-	5110	-
	Total	258711	46968	8346	2527	36095	10669	39753	109048	549	47597	4127
		(15%)	(22%)	(85%)	(60%)	(5%)	(77%)	(11%)	(11%)		(11%)	
Any age	Sm.	51312	15186	10859	1997	2330	9972	4738	14969	-	6447	-
	Total	318180	73175	13085	3519	56571	13277	42567	122939	2198	56802	7222
		(16%)	(21%)	(83%)	(57%)	(4%)	(75%)	(11%)	(12%)		(11%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

## Female death rates used for calculations

		All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>														
1995		29771	13653	12154	2104	1933	2003	1738	1506	1438	1433	1345	1080	1539
2000		30157	13333	12768	2348	2056	1864	2060	1640	1447	1353	1290	1153	1613
<b>NUMBER OF DEATHS (Source: WHO)</b>														
<b>All causes</b>														
1995		334771	5956	59708	1639	2564	4423	5966	8574	13519	23023	37965	45970	185172
2000		318180	5273	54196	1835	2674	3861	6598	8394	12139	18695	30299	47741	180671
<b>Lung cancer</b>														
1995		13038	11	4951	28	115	279	461	694	1261	2113	2907	2256	2913
2000		13085	11	4728	30	116	255	539	820	1172	1796	2608	2646	3092
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)														
<b>All causes</b>														
1995		632.6*	43.2*	555.9*	77.9	132.7	220.8	343.2	569.3	940.4	1606.9	2823.7	4255.7	12035.9
2000		577.3*	39.7*	495.4*	78.2	130.1	207.1	320.3	511.7	839.0	1381.4	2348.9	4139.2	11202.3
<b>All cancer</b>														
1995		175.2*	6.2*	252.2*	32.3	63.9	121.6	188.8	299.3	430.3	629.3	910.8	1038.5	1549.1
2000		163.4*	5.4*	230.5*	28.7	59.2	101.5	173.1	270.6	402.8	577.8	819.9	1090.1	1476.9
<b>Lung cancer</b>														
1995		30.9*	0.1*	47.0*	1.3	5.9	13.9	26.5	46.1	87.7	147.5	216.2	208.9	189.3
2000		30.2*	0.1*	44.4*	1.3	5.6	13.7	26.2	50.0	81.0	132.7	202.2	229.4	191.7
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>														
1995		7.5*	0.1*	9.9*	0.3	0.9	3.0	5.4	12.1	18.8	28.6	42.4	51.0	84.6
2000		7.3*	0.1*	9.1*	0.5	1.3	2.7	5.8	10.7	18.0	24.8	39.5	55.1	85.7
<b>Other cancer</b>														
1995		136.8*	6.0*	195.3*	30.7	57.1	104.6	156.9	241.2	323.8	453.2	652.2	778.7	1275.2
2000		126.0*	5.2*	177.1*	26.9	52.3	85.1	141.1	209.9	303.8	420.4	578.2	805.6	1199.5
<b>Chronic obstructive pulmonary disease (COPD)</b>														
1995		26.8*	0.5*	28.6*	0.9	1.7	3.7	9.7	24.8	50.6	108.9	192.2	233.1	335.1
2000		25.7*	0.4*	24.6*	0.9	2.2	4.2	9.4	20.9	45.5	89.3	175.0	262.4	334.0
<b>Other respiratory disease</b>														
1995		64.5*	1.8*	23.0*	2.8	4.2	7.4	10.9	20.5	36.4	78.5	179.7	392.4	2117.1
2000		63.5*	1.5*	24.3*	3.3	4.8	9.4	12.5	22.3	42.4	75.5	173.8	422.9	2023.4
<b>Vascular disease</b>														
1995		249.9*	3.1*	166.1*	9.8	22.3	37.5	70.6	140.1	293.6	588.8	1187.8	2018.0	5794.0
2000		202.6*	2.8*	128.2*	10.2	20.2	35.7	58.3	108.1	224.3	440.9	863.9	1731.1	4832.5
<b>Liver cirrhosis</b>														
1995		5.2*	0.3*	9.9*	3.5	5.8	8.8	11.4	11.8	14.2	14.1	16.6	15.2	10.5
2000		6.6*	0.5*	13.0*	4.8	8.5	12.6	14.7	16.3	16.0	18.4	15.9	15.6	10.2
<b>Other medical causes</b>														
1995		94.4*	23.0*	60.3*	15.4	20.0	27.7	36.9	57.1	99.2	165.6	300.3	502.3	2045.8
2000		98.8*	21.1*	58.6*	17.0	20.1	27.4	37.3	56.8	92.8	158.6	269.6	563.0	2332.9
<b>All non-medical causes</b>														
1995		16.6*	8.3*	15.8*	13.2	14.7	14.0	15.0	15.7	16.1	21.6	36.3	56.2	184.3
2000		16.6*	7.9*	16.1*	13.4	15.1	16.5	15.0	16.8	15.3	20.8	30.9	54.1	192.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>UNITED KINGDOM: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 10	– / 5.3	–
35–69	21 / 83	11 / 54	21 years
70+	42 / 197	40 / 259	8 years
<b>All ages</b>	<b>63 / 290</b>	<b>51 / 318</b>	<b>12 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

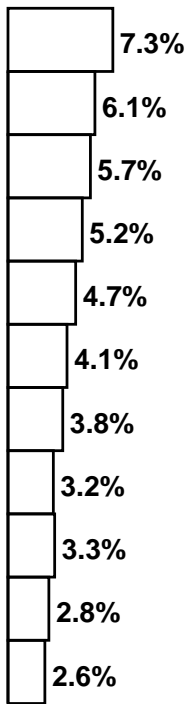
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	7.0/7.9	12/13	19/21	–/0.0	3.7/4.7	7.1/8.3	11/13
All Cancer	–/0.8	10/29 (36%)	18/49 (36%)	28/78	–/0.8	4.8/25 (19%)	10/47 (22%)	15/73
Vascular	–/0.6	6.0/31	9.7/82	16/114	–/0.4	2.9/14	12/109	15/123
Respiratory	–/0.4	3.0/7.2	12/39	15/46	–/0.3	2.3/5.2	12/50	15/56
All Other	–/8.2	1.7/17	2.7/27	4.4/52	–/3.8	1.3/10	5.1/52	6.4/66
<b>All Causes</b>	<b>–/10</b>	<b>21/83 (25%)</b>	<b>42/197 (21%)</b>	<b>63/290</b>	<b>–/5.3</b>	<b>11/54 (21%)</b>	<b>40/259 (15%)</b>	<b>51/318</b>

**Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	28 / 78 (36%)	15 / 73 (21%)	43 / 151 (29%)
All Causes	63 / 290 (22%)	51 / 318 (16%)	115 / 608 (19%)

1950-2000: UNITED KINGDOM

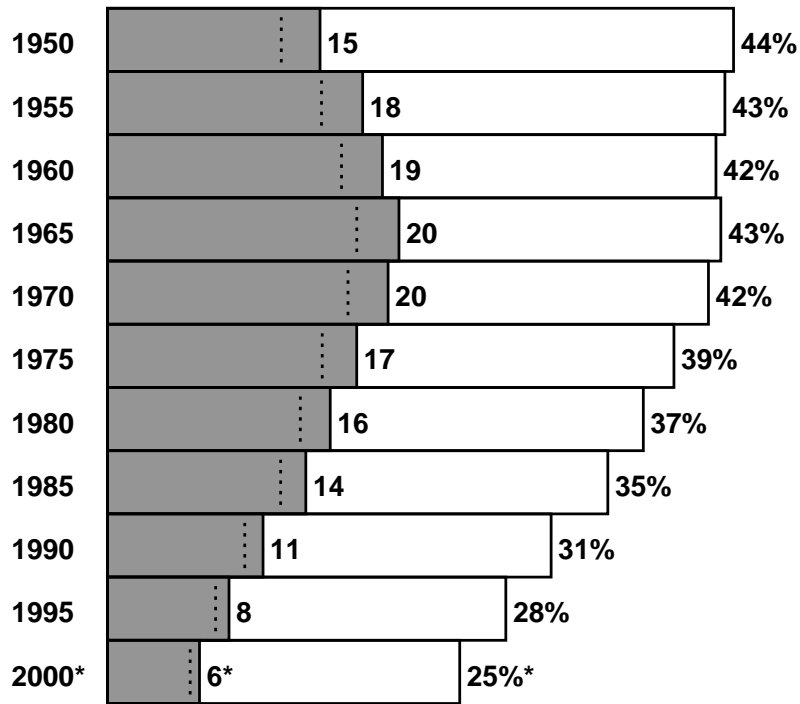
Population risk of dying at ages 0-34



Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)

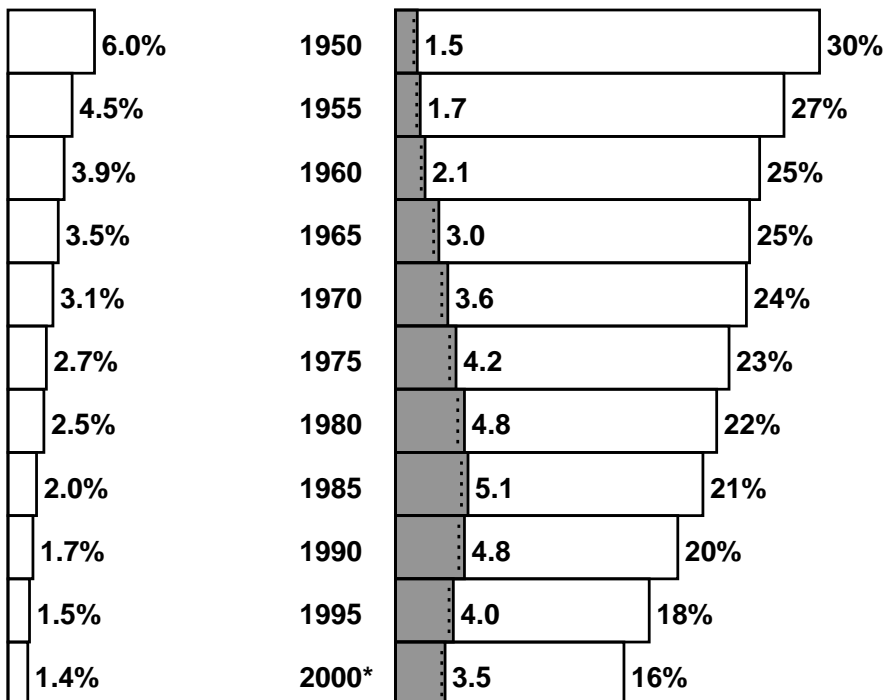
\*eg, at year 2000 male death rates, out of 100 men aged 35, 25 would die before age 70 (with 6 of these deaths attributed to smoking)

MALE



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

FEMALE



<b>UNITED KINGDOM: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
<b>1950</b>	-/30	47/130 <b>(36%)</b>	11/141 <b>(8%)</b>	58/301	-/24	5.1/97 <b>(5%)</b>	1.7/168 <b>(1%)</b>	6.8/289
<b>1955</b>	-/23	56/130 <b>(43%)</b>	20/153 <b>(13%)</b>	76/306	-/17	5.9/91 <b>(7%)</b>	2.4/183 <b>(1%)</b>	8.3/290
<b>1960</b>	-/23	62/135 <b>(46%)</b>	28/151 <b>(19%)</b>	91/309	-/15	7.3/88 <b>(8%)</b>	4.8/191 <b>(3%)</b>	12/295
<b>1965</b>	-/23	70/146 <b>(48%)</b>	36/155 <b>(23%)</b>	106/323	-/15	11/89 <b>(12%)</b>	6.3/201 <b>(3%)</b>	17/305
<b>1970</b>	-/20	71/151 <b>(47%)</b>	45/163 <b>(28%)</b>	116/334	-/13	14/90 <b>(15%)</b>	12/218 <b>(6%)</b>	26/321
<b>1975</b>	-/17	62/142 <b>(44%)</b>	52/176 <b>(30%)</b>	115/335	-/10	16/85 <b>(18%)</b>	15/232 <b>(6%)</b>	31/327
<b>1980</b>	-/15	54/130 <b>(41%)</b>	55/187 <b>(29%)</b>	109/332	-/9.1	17/79 <b>(21%)</b>	19/241 <b>(8%)</b>	36/329
<b>1985</b>	-/13	46/117 <b>(39%)</b>	59/202 <b>(29%)</b>	105/332	-/7.5	17/73 <b>(23%)</b>	29/259 <b>(11%)</b>	46/339
<b>1990</b>	-/13	37/107 <b>(35%)</b>	52/195 <b>(26%)</b>	88/315	-/6.9	16/68 <b>(24%)</b>	32/252 <b>(13%)</b>	49/327
<b>1995</b>	-/11	28/93 <b>(30%)</b>	48/206 <b>(24%)</b>	76/311	-/6.0	13/60 <b>(22%)</b>	39/269 <b>(15%)</b>	53/335
<b>2000</b>	-/10	21/83 <b>(25%)</b>	42/197 <b>(21%)</b>	63/290	-/5.3	11/54 <b>(21%)</b>	40/259 <b>(15%)</b>	51/318

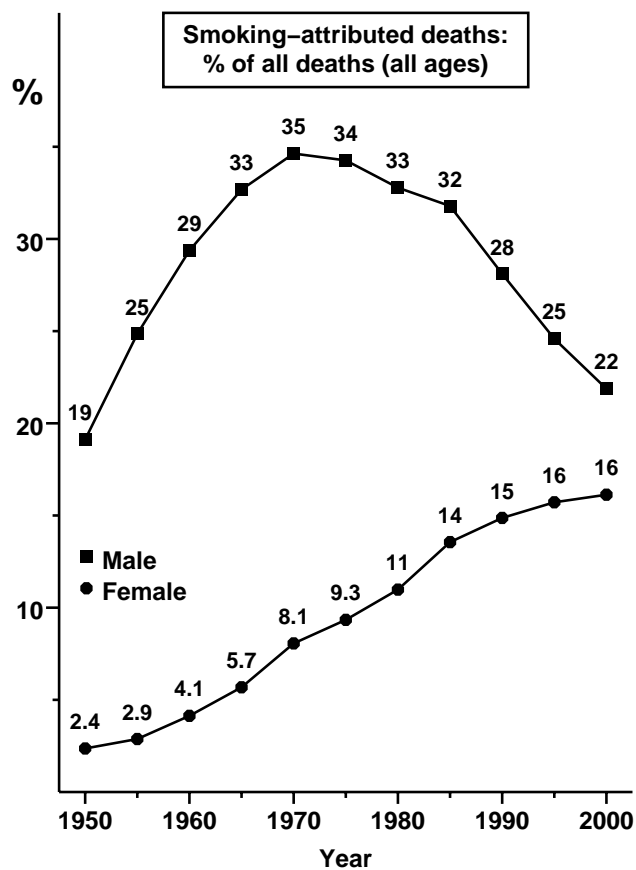
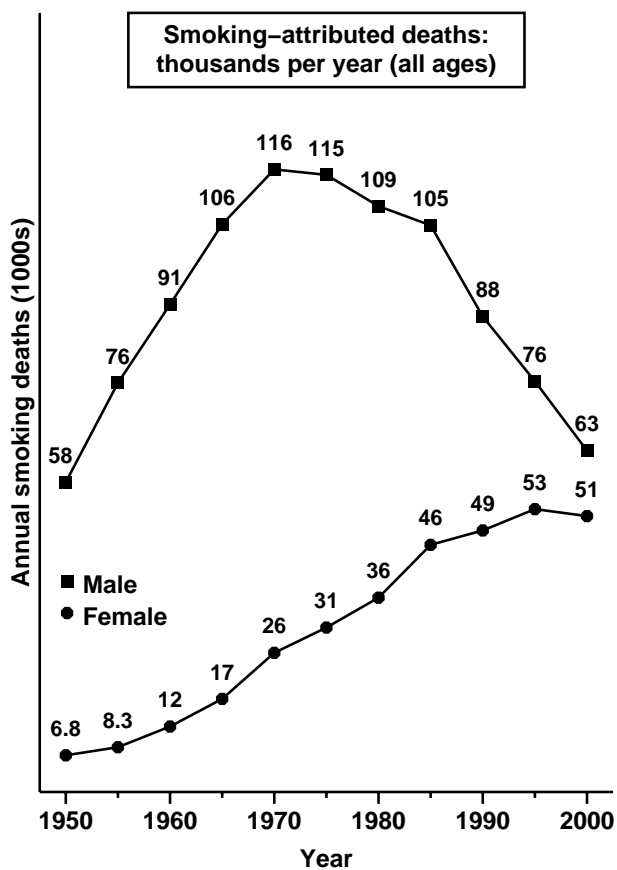
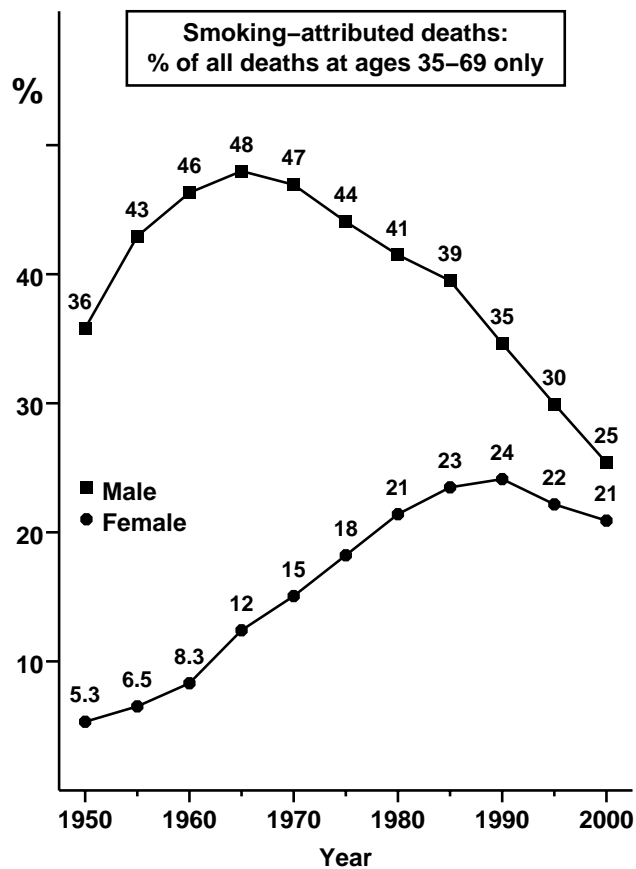
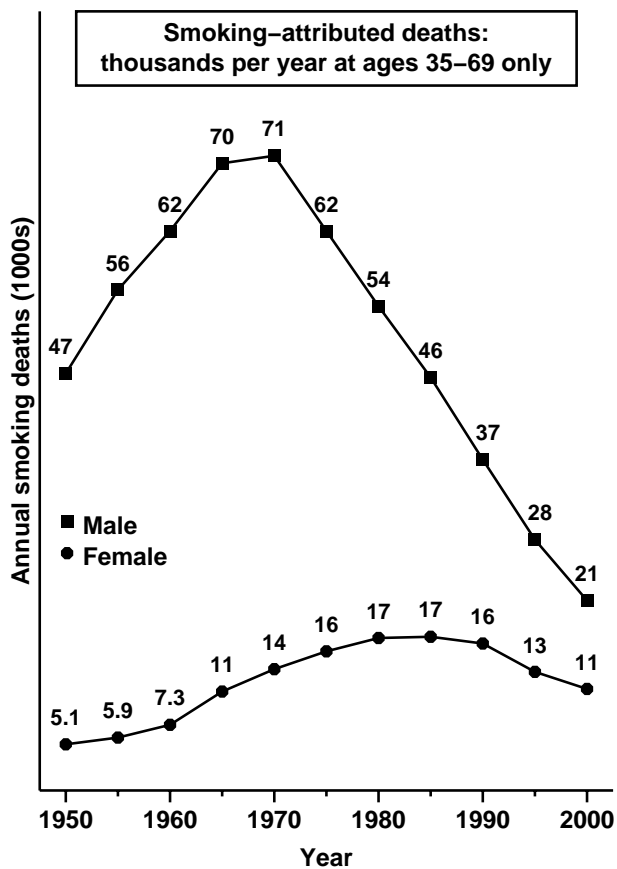
**50-year total\* (M=millions), mid-1950 to mid-2000: 6.3/ 32M**

**1950-2000 by age & sex:**

-/0.9M	2.6/6.3M <b>(42%)</b>	2.2/8.9M <b>(24%)</b>	4.8/16M	-/0.6M	0.6/4.0M <b>(16%)</b>	0.9/11M <b>(8%)</b>	1.5/16M
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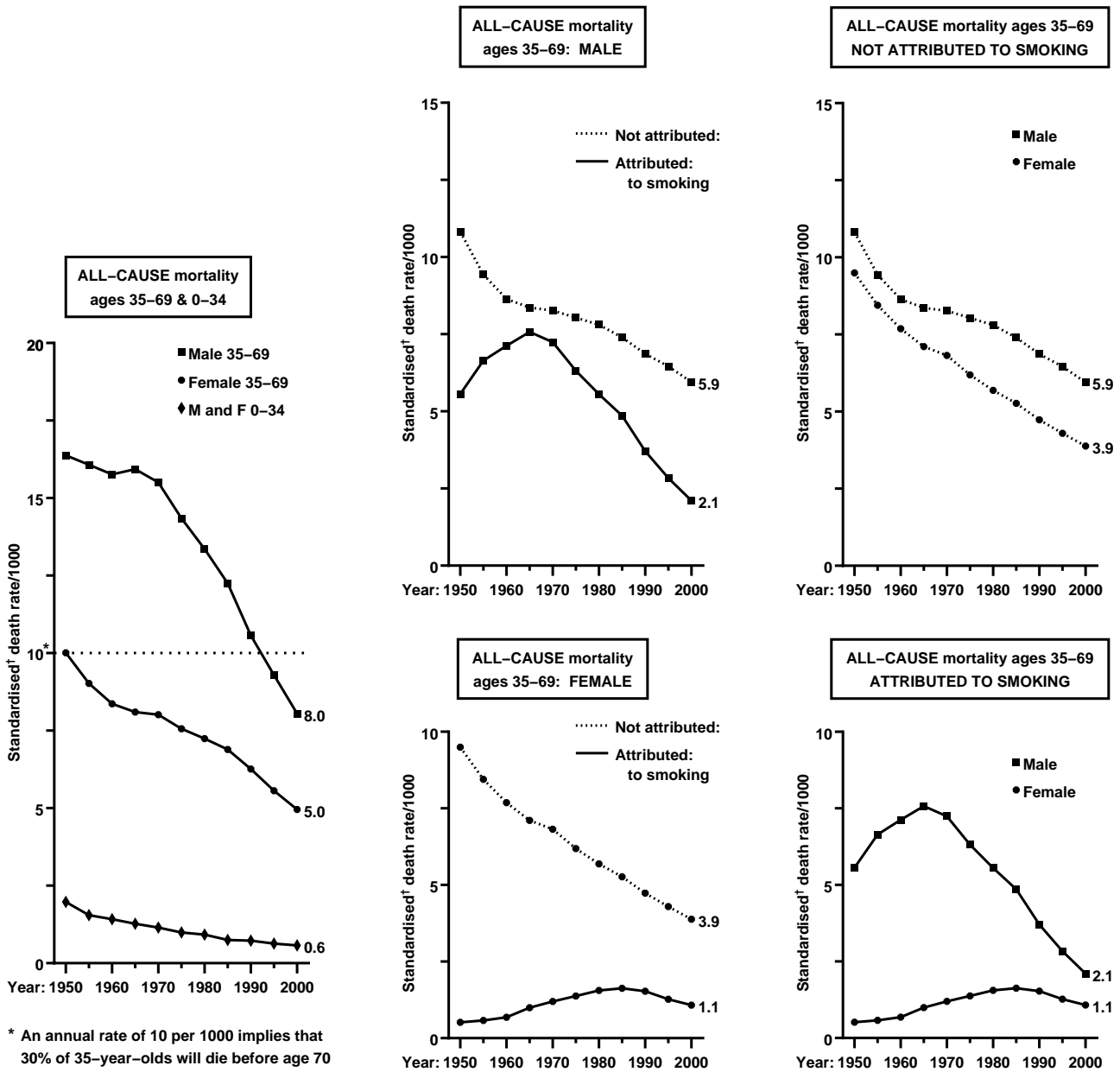
\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1950-2000: UNITED KINGDOM



**UNITED KINGDOM: 1950-2000**

**ALL-CAUSE mortality rates attributed and not attributed to smoking**



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

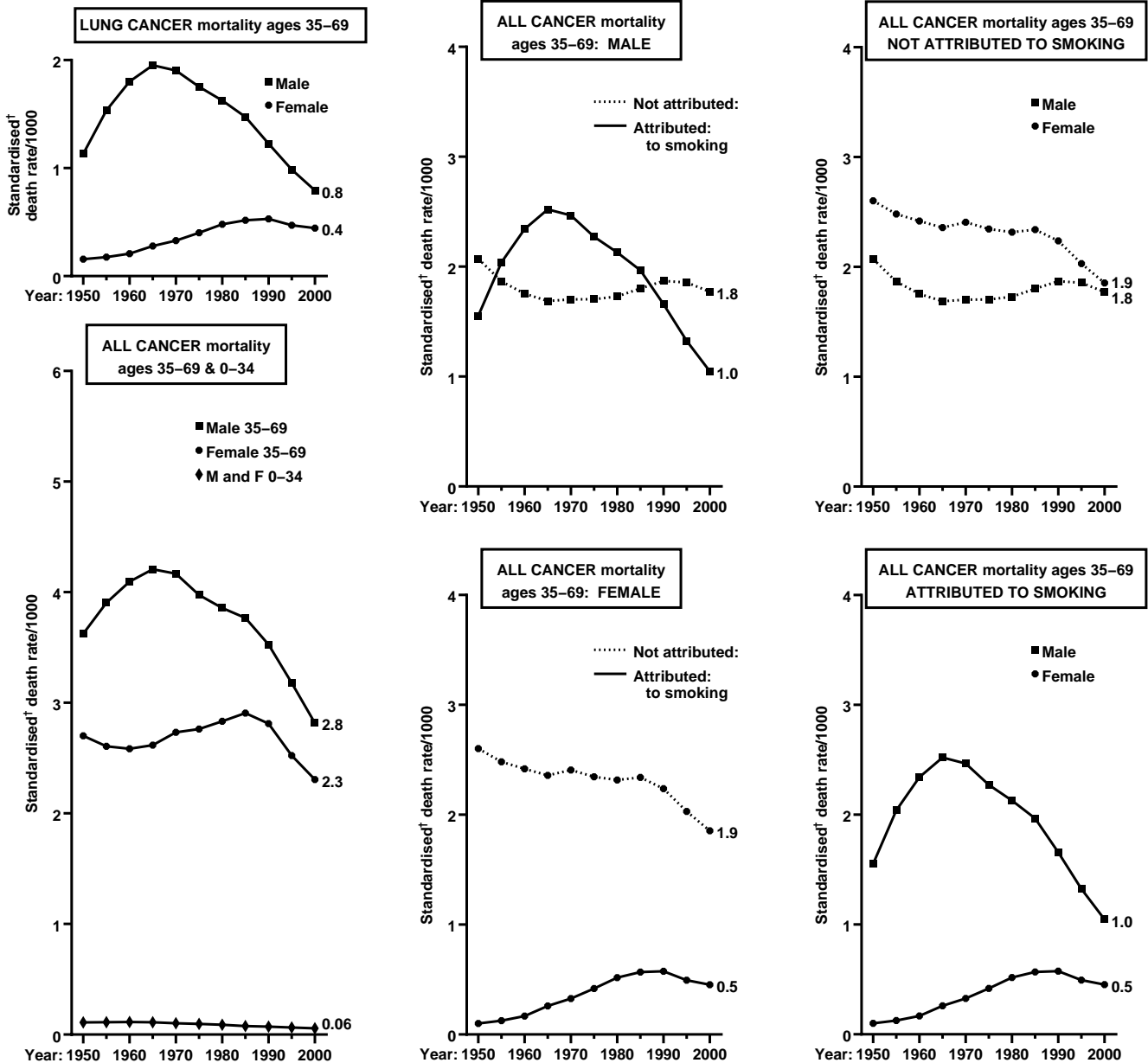
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79			
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	-	2.17	5.56	10.8	7.59	79.8	-	1.78	0.51	9.49	0.79	63.8		
1955	-	1.79	6.64	9.43	13.5	76.2	-	1.31	0.58	8.44	0.99	58.3		
1960	-	1.69	7.12	8.64	18.4	67.8	-	1.14	0.68	7.68	1.67	53.3		
1965	-	1.52	7.57	8.36	22.5	63.8	-	1.02	0.99	7.10	2.00	49.5		
1970	-	1.38	7.24	8.26	26.7	61.0	-	0.91	1.19	6.82	3.37	47.0		
1975	-	1.20	6.31	8.03	26.9	56.5	-	0.77	1.37	6.19	3.71	42.4		
1980	-	1.11	5.55	7.80	24.0	52.2	-	0.72	1.55	5.68	4.32	38.3		
1985	-	0.92	4.86	7.39	23.1	50.3	-	0.57	1.62	5.26	5.96	35.0		
1990	-	0.94	3.70	6.86	18.0	44.7	-	0.50	1.53	4.73	6.24	30.6		
1995	-	0.83	2.83	6.45	15.3	42.2	-	0.43	1.27	4.29	7.32	28.1		
2000	-	0.74	2.10	5.94	12.6	38.9	-	0.40	1.08	3.88	6.94	25.5		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: UNITED KINGDOM

ALL CANCER mortality rates attributed and not attributed to smoking



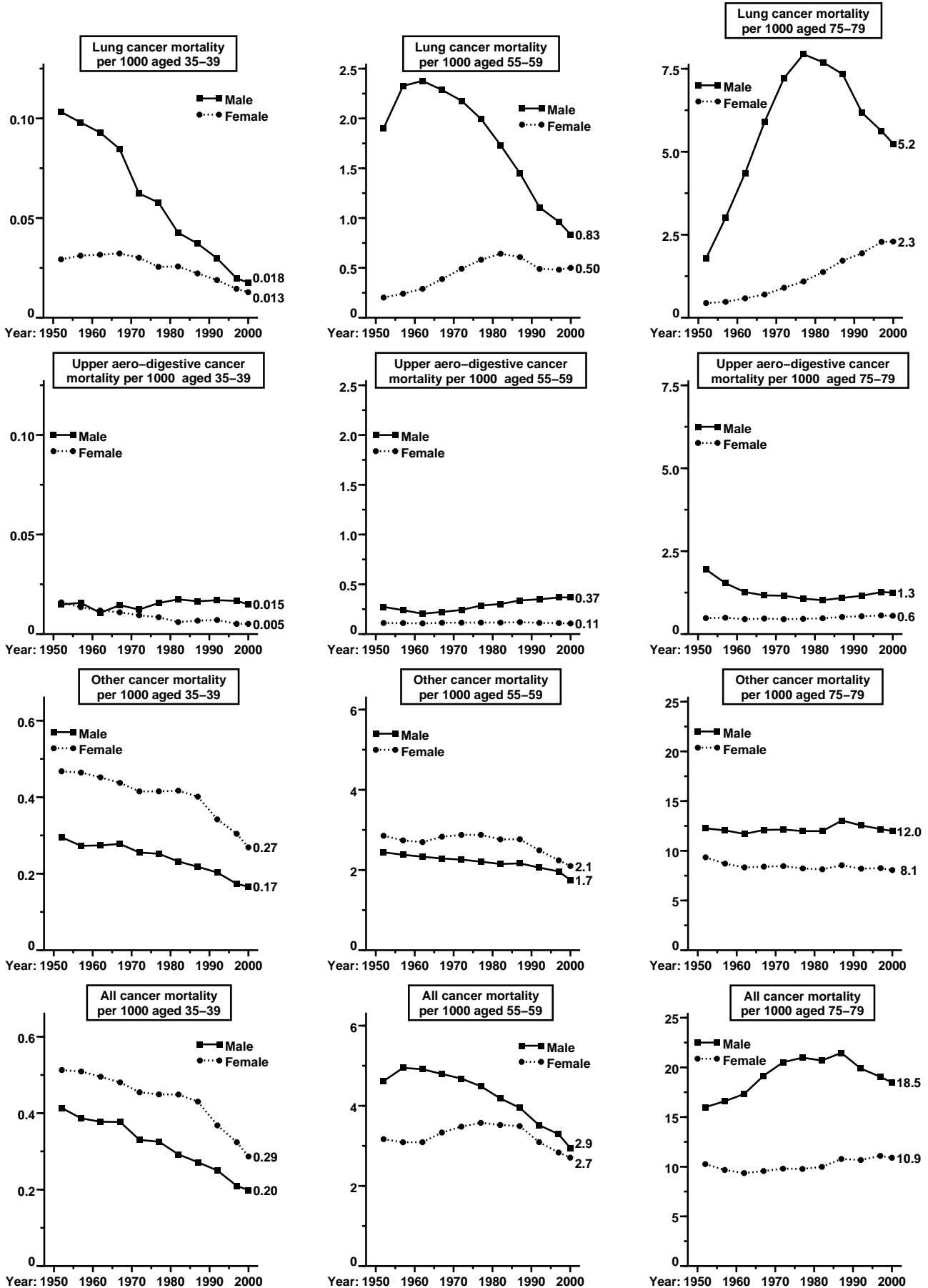
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	0-34		35-69		70-79		0-34		35-69		70-79			
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No			
1950	-	0.11	1.55	2.07	2.14	11.9	-	0.11	0.10	2.60	0.12	9.32		
1955	-	0.12	2.04	1.86	3.87	10.7	-	0.11	0.12	2.48	0.17	8.40		
1960	-	0.12	2.34	1.75	5.63	9.77	-	0.10	0.17	2.42	0.32	8.12		
1965	-	0.12	2.52	1.69	6.98	9.44	-	0.10	0.26	2.36	0.41	7.88		
1970	-	0.11	2.47	1.70	8.80	9.23	-	0.09	0.33	2.41	0.76	7.86		
1975	-	0.10	2.27	1.70	9.55	9.00	-	0.09	0.42	2.34	0.94	7.65		
1980	-	0.09	2.13	1.73	9.32	8.81	-	0.09	0.52	2.32	1.24	7.54		
1985	-	0.08	1.97	1.80	9.28	9.62	-	0.08	0.57	2.34	1.80	7.76		
1990	-	0.07	1.66	1.87	7.92	9.81	-	0.07	0.57	2.24	2.08	7.54		
1995	-	0.06	1.32	1.86	6.93	9.77	-	0.06	0.49	2.03	2.45	7.30		
2000	-	0.06	1.05	1.77	6.05	9.63	-	0.05	0.45	1.85	2.48	7.07		

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**UNITED KINGDOM: 1950-2000**

**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

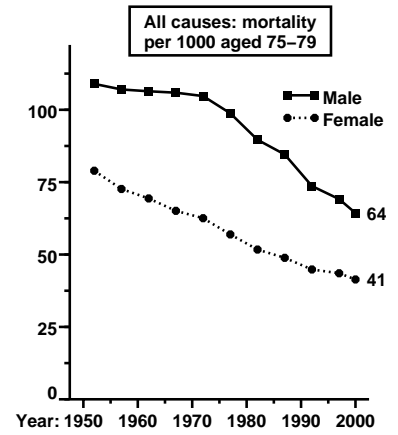
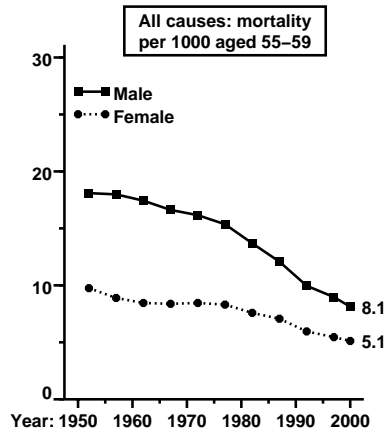
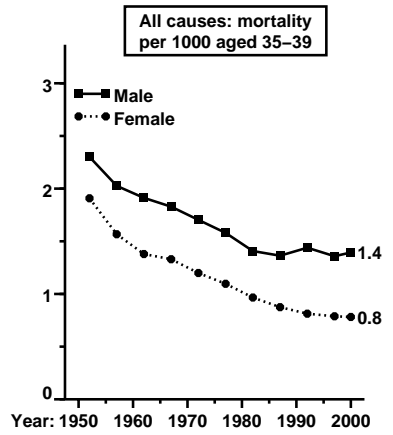
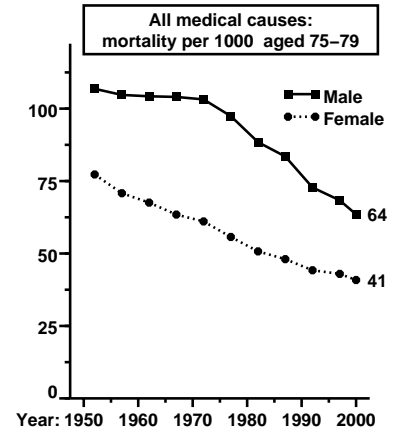
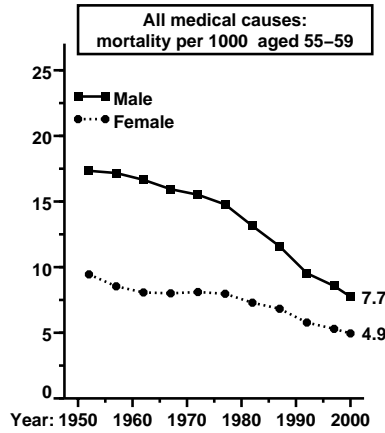
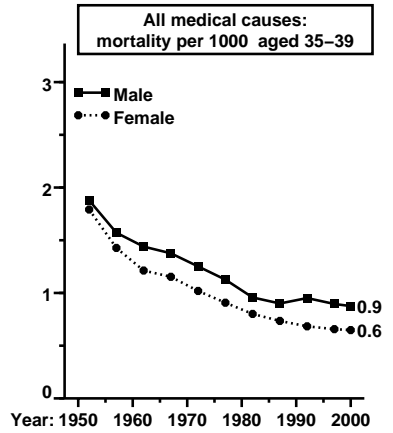
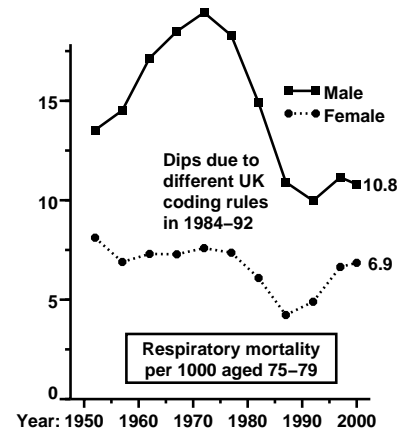
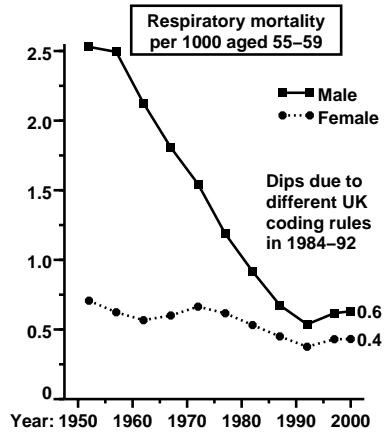
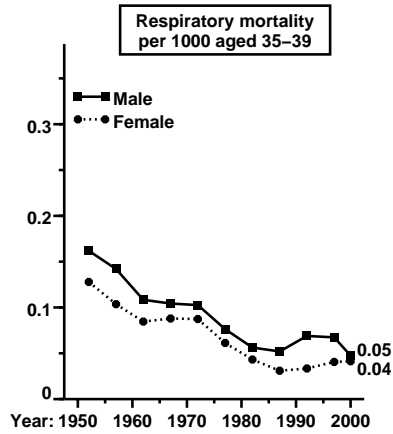
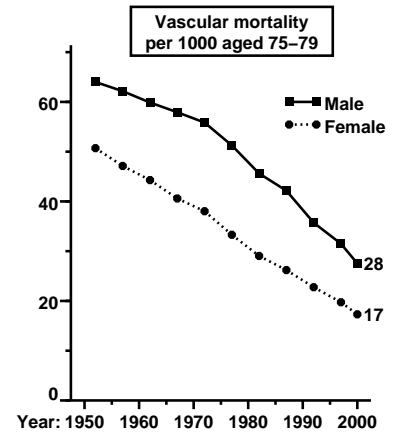
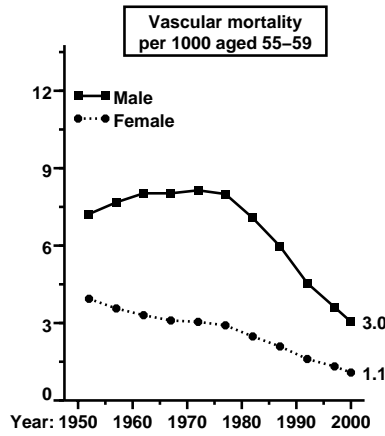
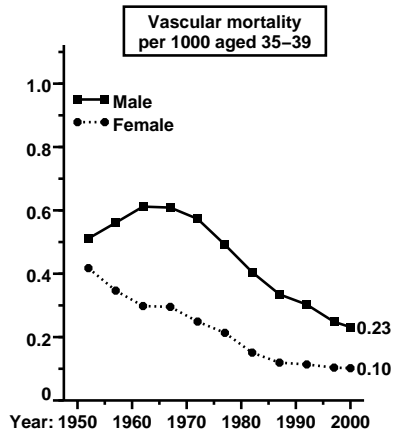


\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately



1950-2000: UNITED KINGDOM

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

## UNITED STATES: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	1177578	73904	404951	853.5	104.2	916.9	182.5	17.4	24.1	94.5	137.0	127.5	146.1
	F	1225773	38281	267773	597.6	55.8	571.5	149.6	13.8	16.0	39.5	46.7	52.5	72.5
Tuberculosis	M	534	24	224	0.4	0.0	0.5	0.0	-	0.0	0.0	0.1	0.0	0.1
	F	367	17	85	0.2	0.0	0.2	0.1	-	0.0	-	0.0	0.0	0.0
HIV	M	10868	1737	8949	7.6	2.4	13.6	0.1	0.1	0.1	0.2	0.8	3.7	11.8
	F	3610	949	2601	2.4	1.4	3.7	0.1	0.1	0.2	0.2	0.7	2.9	5.4
Other infective and parasitic	M	20397	910	8277	14.8	1.3	17.5	3.7	0.4	0.3	0.7	0.9	1.1	1.7
	F	23231	732	5983	11.7	1.1	12.4	3.3	0.4	0.3	0.5	0.7	0.9	1.4
ALL CANCER	M	286082	3728	116716	214.9	5.2	285.7	2.8	2.5	2.8	4.3	5.9	7.0	11.1
	F	267009	3427	102686	152.9	4.9	221.5	2.4	2.2	2.2	3.1	4.2	6.9	13.5
Mouth and pharynx cancer	M	4952	45	2977	3.9	0.1	6.8	-	-	0.0	0.1	0.1	0.1	0.2
	F	2540	35	968	1.4	0.1	2.1	-	-	-	0.0	0.1	0.1	0.2
Oesophagus cancer	M	9279	34	4944	7.2	0.0	11.9	0.0	-	-	-	0.0	0.1	0.2
	F	2953	9	1022	1.7	0.0	2.3	-	-	-	0.0	-	0.0	0.1
Stomach cancer	M	7328	75	3075	5.5	0.1	7.3	-	-	-	-	0.1	0.2	0.4
	F	5317	64	1627	2.8	0.1	3.4	-	-	0.0	0.0	0.1	0.1	0.4
Colorectal cancer	M	28462	179	11133	21.2	0.2	27.1	-	-	0.0	0.1	0.2	0.4	1.1
	F	29015	136	8326	15.1	0.2	18.3	-	-	0.0	0.1	0.1	0.4	0.8
Liver cancer	M	6843	88	3699	5.3	0.1	8.4	0.1	0.1	0.0	0.1	0.1	0.2	0.3
	F	3349	53	1123	1.9	0.1	2.4	0.1	0.0	0.1	0.0	0.1	0.1	0.1
Pancreas cancer	M	14238	38	6524	10.9	0.1	15.9	0.0	-	-	0.0	0.0	0.1	0.2
	F	15094	26	4640	8.2	0.0	10.5	0.0	-	0.0	-	0.0	0.1	0.2
Larynx cancer	M	3041	2	1556	2.4	0.0	3.8	-	-	-	-	-	-	0.0
	F	820	5	381	0.5	0.0	0.9	-	-	0.0	0.0	-	-	0.0
Lung cancer	M	90469	119	40791	69.6	0.2	103.5	0.0	-	-	0.0	0.1	0.3	0.7
	F	65052	105	27039	39.1	0.1	61.8	0.0	-	0.0	-	0.1	0.1	0.8
Malignant melanoma	M	4592	132	2485	3.5	0.2	5.4	-	-	0.0	0.0	0.2	0.3	0.7
	F	2828	96	1396	1.7	0.1	2.7	-	-	-	0.0	0.2	0.3	0.5
Female breast cancer	F	41872	475	20737	25.2	0.7	41.4	-	-	-	0.0	0.1	0.8	3.7
Cervix cancer	F	4200	248	2699	2.7	0.4	4.8	-	-	0.0	0.0	0.1	0.8	1.5
Other uterine cancer	F	6586	30	2567	3.8	0.0	5.8	-	-	-	-	0.0	0.0	0.2
Ovarian cancer	F	14224	126	6243	8.5	0.2	13.4	-	0.0	-	0.1	0.2	0.4	0.6
Prostate cancer	M	31078	1	4791	21.6	0.0	13.5	-	-	-	-	-	0.0	-
Bladder cancer	M	8163	5	2138	5.9	0.0	5.6	-	-	-	0.0	0.0	-	0.0
	F	3839	9	755	1.8	0.0	1.7	-	-	0.0	-	-	0.0	0.1
Other and ill-defined cancer sites	M	47749	1696	21479	36.0	2.4	50.1	1.6	1.6	1.6	2.0	2.6	3.0	4.2
	F	42690	1131	15193	24.0	1.6	32.6	1.3	1.4	1.3	1.5	1.6	1.8	2.5
Hodgkin's disease	M	686	118	326	0.5	0.2	0.7	-	0.0	0.0	0.1	0.3	0.3	0.5
	F	601	108	236	0.4	0.2	0.4	-	0.0	0.0	0.2	0.2	0.3	0.4
Myeloma and non-Hodgkin lymphomas	M	17425	340	6845	13.0	0.5	16.4	0.1	0.2	0.1	0.4	0.8	0.6	1.1
	F	16467	200	4988	8.9	0.3	11.2	0.0	0.1	0.1	0.1	0.4	0.6	0.6
Leukaemia	M	11777	856	3953	8.6	1.2	9.5	0.9	0.8	1.0	1.5	1.5	1.3	1.5
	F	9562	571	2746	5.1	0.8	5.8	0.9	0.6	0.6	0.9	0.8	1.0	0.9
Diabetes	M	31602	489	12471	23.4	0.7	29.6	0.1	0.0	0.1	0.3	0.6	1.2	2.5
	F	37699	332	10649	19.8	0.5	23.7	0.0	0.0	0.1	0.2	0.5	0.9	1.5
ALL VASCULAR DISEASE	M	437893	3933	131708	314.5	5.5	312.3	4.8	0.8	1.2	2.9	5.1	8.3	15.5
	F	503631	2613	69425	220.1	3.8	155.3	4.3	0.6	1.0	2.1	3.7	5.6	9.2
Rheumatic heart disease and fever	M	1072	33	429	0.8	0.0	1.0	0.1	0.0	0.0	0.0	0.1	0.0	0.1
	F	2510	29	711	1.3	0.0	1.5	0.0	0.0	-	0.0	0.0	0.1	0.1
Hypertensive disease	M	17934	233	7083	13.1	0.3	15.6	0.0	0.0	0.0	0.0	0.3	0.6	1.3
	F	26685	143	4591	12.0	0.2	9.8	0.0	0.0	0.0	0.1	0.2	0.4	0.7
Ischaemic heart disease	M	260574	818	82956	188.7	1.1	198.8	0.2	0.0	0.0	0.2	0.6	1.8	5.0
	F	254630	296	34447	111.4	0.4	79.5	0.2	0.0	0.0	0.1	0.3	0.6	1.7
Pulmonary embolism and other venous	M	4907	214	2185	3.6	0.3	4.7	0.1	0.1	0.0	0.1	0.3	0.5	0.9
	F	6940	277	2297	3.7	0.4	4.6	0.0	0.0	0.0	0.2	0.6	0.8	1.1
Cerebrovascular disease	M	64769	540	14541	45.4	0.8	34.9	0.9	0.1	0.2	0.4	0.7	1.1	1.9
	F	102892	508	12696	44.0	0.7	27.7	0.8	0.1	0.3	0.3	0.7	1.0	1.9
Other vascular disease	M	88637	2095	24514	63.0	2.9	57.3	3.5	0.5	0.9	2.1	3.1	4.2	6.3
	F	109974	1360	14683	47.7	2.0	32.2	3.2	0.4	0.6	1.3	1.9	2.6	3.7
Chronic obstructive pulmonary disease	M	60008	401	13817	42.9	0.6	37.0	0.4	0.2	0.5	0.6	0.6	0.7	0.9
	F	62009	286	12950	31.0	0.4	31.0	0.3	0.2	0.3	0.3	0.4	0.6	0.8
Other respiratory disease	M	50708	1144	9643	35.1	1.6	23.0	4.6	0.5	0.4	0.8	1.3	1.5	2.2
	F	58354	941	7140	25.1	1.4	15.6	3.9	0.4	0.5	0.7	1.0	1.3	1.9
Peptic ulcer	M	2176	13	746	1.6	0.0	1.7	-	-	-	0.0	0.0	0.0	0.0
	F	2328	10	404	1.1	0.0	0.9	-	-	-	0.0	0.0	0.0	0.1
Liver cirrhosis	M	17109	296	12960	13.3	0.4	25.8	0.0	-	-	0.0	0.1	0.6	2.1
	F	9003	141	5364	5.8	0.2	10.3	0.0	-	-	0.0	0.1	0.2	1.0
Renal disease	M	18234	309	4577	12.9	0.4	11.0	1.2	0.1	0.1	0.2	0.2	0.4	0.8
	F	20171	246	3919	9.6	0.4	8.8	0.7	0.0	0.1	0.1	0.4	0.4	0.8
Pregnancy, birth	F	404	277	127	0.3	0.4	0.2	-	-	-	0.2	0.8	0.9	0.9
Congenital and perinatal causes	M	13485	12005	1051	10.5	16.9	2.0	110.4	1.1	1.1	1.4	1.4	1.3	1.5
	F	11162	9610	955	8.8	14.2	1.8	93.3	1.0	1.0	0.9	0.9	0.9	1.1
Ill-defined causes	M	15863	4033	6378	11.5	5.7	11.9	22.6	0.5	0.5	1.9	3.9	4.6	5.8
	F	16015	2453	3358	8.2	3.6	6.1	16.5	0.4	0.4	1.2	1.8	2.1	2.8
Other medical causes	M	107935	4945	30659	76.0	6.9	66.5	11.5	2.4	3.1	4.6	7.2	8.3	11.5
	F	164196	3756	24704	72.6	5.5	51.0	9.4	2.2	2.8	3.5	5.1	6.4	8.7
ALL NON-MEDICAL CAUSES	M	104684	39937	46775	74.2	56.5	78.9	20.4	8.8	13.9	76.5	108.7	88.7	78.6
	F	46584	12491	17423	28.1	18.2	29.1	15.3	6.3	7.0	26.6	26.3	22.5	23.5
Road traffic accidents	M	28999	13868	11797	20.6	19.6	20.1	4.0	3.8	5.4	33.8	40.4	27.9	22.1
	F	13857	5815	5377	9.2	8.5	9.2	3.4	3.4	3.6	17.5	14.1	9.5	8.1
Fire	M	2025	617	919	1.5	0.9	1.7	1.9	1.0	0.3	0.4	0.8	0.8	0.8
	F	1352	409	479	0.9	0.6	0.9	1.4	0.7	0.5	0.4	0.4	0.4	0.4
Suicide	M	23597	7599	12384	16.8	10.8	21.0	-	0.1	2.3	13.1	21.2	19.7	18.9
	F	5722	1485	3612	3.9	2.2	5.8	-	0.0	0.6	2.8	3.2	4.0	4.5
Homicide	M	12678	8138	4206	8.9	11.6	6.5	3.9	0.7	1.4	15.7	26.5	19.2	13.6
	F	3912	1977											

## 2000: UNITED STATES

Annual death rates / 100,000  
(zero denoted by -)

## 9th ICD/10th ICD categories

35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
204.0	302.9	447.5	640.6	972.5	1513.2	2337.7	3597.7	5529.3	12148.8	M	ALL CAUSES	001-999/A00-Y89
112.5	170.4	247.5	379.5	599.2	967.9	1523.4	2353.7	3791.2	10665.4	F		
0.1	0.2	0.4	0.5	0.4	0.7	1.1	1.3	2.5	5.0	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.1	0.1	0.0	0.1	0.1	0.3	0.6	1.0	1.8	2.3	F		
19.1	20.2	19.9	14.9	9.9	6.9	4.5	2.9	1.7	0.4	M	HIV	279.5, 279.6/B20-B24
6.3	6.6	5.2	3.4	2.0	1.5	1.0	0.7	0.3	0.2	F		
3.7	7.1	13.9	16.8	18.1	25.3	37.8	57.2	92.7	191.6	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
2.5	4.5	7.0	9.0	13.0	20.2	30.7	47.0	73.3	183.8	F		
21.1	44.0	91.7	173.5	315.7	527.7	826.1	1165.0	1540.3	2255.1	M	ALL CANCER	140-208/C00-C97
27.6	52.2	92.0	158.1	255.1	395.6	570.0	767.5	977.3	1346.2	F		
0.5	1.4	3.1	6.0	9.3	12.5	15.0	16.5	18.2	22.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.2	0.4	1.0	1.6	2.2	3.9	5.4	7.3	8.4	13.6	F		
0.6	1.7	4.1	8.6	14.9	22.7	30.3	37.2	42.7	47.1	M	Oesophagus cancer	150/C15
0.1	0.2	0.6	1.4	2.7	4.4	7.1	9.7	11.1	16.1	F		
0.9	1.6	2.9	4.8	7.6	13.8	19.3	27.7	38.3	59.5	M	Stomach cancer	151/C16
0.6	1.2	1.7	2.4	3.5	5.8	8.9	12.8	18.6	36.5	F		
2.4	4.3	8.9	17.0	30.0	50.2	76.6	113.3	154.8	247.5	M	Colorectal cancer	153, 154/C18-C21
1.8	3.5	7.3	12.4	19.9	33.7	49.1	74.5	105.1	205.6	F		
0.6	1.7	5.3	7.5	10.1	13.8	19.5	24.9	30.5	35.2	M	Liver cancer	155.0/C22 excl C221
0.3	0.6	1.0	1.5	2.7	4.3	6.7	10.5	13.4	17.9	F		
0.8	2.1	5.3	11.1	18.2	29.6	44.2	55.8	78.1	95.6	M	Pancreas cancer	157/C25
0.5	1.5	2.9	6.4	11.7	19.9	31.0	47.3	64.0	88.7	F		
0.1	0.4	1.2	2.5	4.8	7.8	9.9	12.6	14.4	16.8	M	Larynx cancer	161/C32
0.0	0.1	0.3	0.6	0.9	1.4	2.6	2.9	3.3	2.5	F		
3.2	10.4	25.2	53.1	113.9	199.3	319.1	431.1	501.7	529.3	M	Lung cancer	162/C33, C34
2.6	8.0	16.2	34.5	69.5	120.6	181.1	235.9	267.1	245.3	F		
1.0	2.1	3.2	5.2	6.3	8.6	11.1	14.3	17.8	26.8	M	Malignant melanoma	172/C43
1.0	1.3	2.1	2.4	2.9	4.0	5.1	6.3	7.6	11.6	F		
8.5	16.1	26.1	40.2	53.0	65.6	80.0	97.8	119.7	177.6	F	Female breast cancer	174/C50
2.6	3.5	4.3	5.2	5.9	5.8	6.7	7.0	7.4	9.8	F	Cervix cancer	180/C53
0.4	0.8	1.8	3.5	6.8	11.3	15.7	19.9	24.0	32.8	F	Other uterine cancer	179, 182/C54, C55
1.3	2.9	6.0	10.8	16.1	23.5	33.2	39.9	53.5	59.6	F	Ovarian cancer	183/C56, C570-C574
0.1	0.2	1.1	3.0	9.4	25.0	55.5	108.9	201.4	497.2	M	Prostate cancer	185/C61
0.2	0.4	1.1	2.5	5.6	10.5	18.8	31.5	49.2	102.5	M	Bladder cancer	188/C67
0.2	0.3	0.5	0.8	1.7	3.3	5.5	9.7	14.1	33.1	F		
6.9	11.9	20.4	36.1	57.5	88.7	129.1	176.0	228.5	330.6	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.8	8.1	13.9	23.8	37.2	56.9	83.3	114.7	154.5	233.8	F		
0.4	0.4	0.5	0.6	0.5	1.1	1.3	1.9	2.3	3.0	M	Hodgkin's disease	201/C81
0.3	0.3	0.3	0.4	0.5	0.6	0.7	1.3	1.5	2.2	F		
1.9	3.2	6.1	10.4	18.0	28.3	47.2	68.1	99.4	140.3	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.0	1.8	3.5	6.4	12.2	20.8	32.6	47.0	68.7	99.8	F		
1.6	2.1	3.5	5.0	9.5	15.8	28.9	45.2	63.2	101.3	M	Leukaemia	204-208/C91-C95
1.6	1.7	2.6	3.9	5.8	9.6	15.4	23.0	35.4	59.7	F		
3.5	6.7	11.1	19.7	32.8	53.1	80.0	117.1	168.7	276.2	M	Diabetes	250/E10-E14
2.5	4.2	7.6	14.9	25.8	42.5	68.5	100.4	145.7	257.7	F		
31.7	68.4	125.8	210.2	346.3	551.3	852.2	1379.4	2247.1	5624.0	M	ALL VASCULAR DISEASE	390-459/I00-199
17.5	31.6	51.5	87.8	152.1	273.0	473.9	809.2	1509.0	5443.0	F		
0.2	0.3	0.5	0.6	1.1	1.8	2.2	3.5	5.6	9.4	M	Rheumatic heart disease and fever	390-398/I00-109
0.2	0.5	0.7	0.9	1.6	2.5	4.5	7.2	9.8	16.6	F		
2.5	5.6	8.8	13.7	18.1	27.1	33.4	50.1	74.5	199.9	M	Hypertensive disease	401-405/I10-I15
1.5	2.9	4.6	6.3	10.6	16.8	26.0	40.5	74.8	278.8	F		
14.6	36.7	75.4	133.8	228.8	357.5	544.9	860.8	1354.3	3181.6	M	Ischaemic heart disease	410-414/I20-I25
5.0	10.1	19.6	41.1	78.9	146.8	255.2	432.2	786.9	2743.7	F		
1.4	1.9	2.8	4.1	4.7	7.5	10.8	14.7	22.5	38.7	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
1.5	2.1	2.7	3.7	4.7	7.5	10.1	14.7	20.6	45.9	F		
3.8	7.7	13.9	21.3	34.6	61.4	101.5	188.8	357.0	985.0	M	Cerebrovascular disease	430-438/I60-I69
3.9	7.4	11.8	17.2	26.2	45.8	81.4	151.1	311.0	1146.9	F		
9.2	16.3	24.4	36.7	59.1	96.0	159.4	261.5	433.2	1209.4	M	Other vascular disease	Rest of 390-459/ rest of I00-199
5.5	8.5	12.1	18.7	30.2	53.6	96.8	163.5	306.0	1211.2	F		
1.3	2.6	6.1	12.1	31.3	67.0	138.3	252.3	392.7	744.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.4	2.8	5.4	11.5	27.1	57.2	111.3	188.0	276.9	458.8	F		
3.4	6.3	8.4	13.5	22.0	37.5	70.2	133.7	254.7	846.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.8	4.1	6.0	9.4	15.1	25.8	45.8	82.4	160.4	654.9	F		
0.3	0.4	0.8	1.5	2.0	2.9	3.8	6.7	10.8	25.9	M	Peptic ulcer	531-533/K25-K27
0.1	0.2	0.4	0.5	0.9	1.6	2.4	3.6	6.9	24.0	F		
6.2	14.1	24.8	28.4	31.1	37.1	38.6	39.6	39.2	33.1	M	Liver cirrhosis	571/K70, K74
3.2	5.9	8.2	8.9	12.1	15.0	18.9	22.3	24.7	22.2	F		
1.4	2.5	4.4	6.5	10.7	18.5	33.0	53.8	99.3	257.4	M	Renal disease	580-590/N00-N19
1.2	1.7	2.6	4.8	8.4	15.8	27.5	43.0	68.2	182.3	F		
0.8	0.3	0.0	0.0	-	-	-	-	-	-	F	Pregnancy, birth	630-676/A34,000-099
1.4	1.5	1.6	2.2	2.0	2.6	2.7	2.6	3.2	7.3	M	Congenital and perinatal causes	740-779/A33, P00-P96, Q00-Q99
1.1	1.1	1.3	1.5	2.4	2.5	2.5	2.3	3.3	5.7	F		
7.5	10.1	11.5	11.2	11.2	13.2	18.7	22.0	35.1	110.6	M	Ill-defined causes	780-799/R00-R99
3.7	4.9	5.5	5.0	5.8	7.3	10.2	16.5	26.2	137.7	F		
18.0	28.1	41.2	52.9	69.2	99.5	156.5	266.0	500.0	1464.9	M	Other medical causes	Rest of 001-799/ rest of A00-R99
12.9	19.8	26.2	37.9	52.9	80.6	126.7	223.7	447.0	1757.1	F		
85.4	90.7	85.8	76.6	70.0	69.9	74.2	98.2	141.4	306.1	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
28.8	30.3	28.6	26.9	26.4	29.1	33.4	46.1	70.1	189.5	F		
22.0	21.7	20.6	19.3	19.0	19.2	18.9	22.9	30.2	46.9	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
9.1	8.3	8.3	8.2	8.9	10.1	11.2	13.6	17.9	20.3	F		
1.2	1.2	1.4	1.8	1.9	2.2	2.4	3.1	4.3	7.3	M	Fire	E890-E899/X00-X09
0.5	0.7	0.7	0.7	0.9	1.2	1.6	1.8	2.8	4.3	F		
21.5	23.6	22.8	21.3	19.7	18.4	19.5	25.5	33.9	48.8	M	Suicide	E950-E959/X60-X84
5.7	6.9	6.5	6.7	5.7	4.9	4.0	4.1	3.8	4.3	F		
10.7	9.5	7.5	5.8	4.9	3.7	3.2	3.3	2.6	3.9	M	Homicide	E960-E969/ X85-X99, Y00-Y09
4.3	3.5	2.7	2.0	1.6	1.5	1.6	1.6	2.0	2.2	F		
11399	11239	10084	8630	6625	5214	4446	3988	3135	3144	M	POPULATION	
11458	11510	10388	9021	7063	5703	5107	4928	4336	5995	F	(1000s; UN, 2004 revision)	

<b>UNITED STATES: 1995, 2000</b>
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**Male smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	93053	4306	180	80	4046	470	1465	4657	461	34531	47163
35-69 Sm.	136454	57018	40649	6048	10321	10648	2926	41657	-	24205	-
35-69 Total	422758 (32%)	119206 (48%)	43891 (93%)	9365 (65%)	65950 (16%)	13653 (78%)	10240 (29%)	144784 (29%)	12182	79368 (30%)	43325
70+ Sm.	145043	61765	43614	4433	13718	29416	4840	37460	-	11562	-
70+ Total	657148 (22%)	158099 (39%)	47785 (91%)	7296 (61%)	103018 (13%)	39815 (74%)	41224 (12%)	303011 (12%)	3882	94625 (12%)	16492
Any age Sm.	281497	118783	84263	10481	24039	40064	7766	79117	-	35767	-
Any age Total	1172959 (24%)	281611 (42%)	91856 (92%)	16741 (63%)	173014 (14%)	53938 (74%)	52929 (15%)	452452 (17%)	16525	208524 (17%)	106980
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	73904	3728	119	81	3528	401	1144	3933	296	24465	39937
35-69 Sm.	118464	52012	37274	5733	9005	10378	2476	34075	-	19523	-
35-69 Total	404951 (29%)	116716 (45%)	40791 (91%)	9477 (60%)	66448 (14%)	13817 (75%)	9643 (26%)	131708 (26%)	12960	73332 (27%)	46775
70+ Sm.	150445	63408	45015	4587	13806	33402	4455	35014	-	14166	-
70+ Total	698723 (22%)	165638 (38%)	49559 (91%)	7714 (59%)	108365 (13%)	45790 (73%)	39921 (11%)	302252 (12%)	3853	123297 (11%)	17972
Any age Sm.	268909	115420	82289	10320	22811	43780	6931	69089	-	33689	-
Any age Total	1177578 (23%)	286082 (40%)	90469 (91%)	17272 (60%)	178341 (13%)	60008 (73%)	50708 (14%)	437893 (16%)	17109	221094 (15%)	104684

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Male death rates used for calculations: ICD codes as on previous page**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	132388	70784	52309	11321	10221	8807	6859	5542	4910	4649	3970	2803	2522
2000	139643	71741	57636	11399	11239	10084	8630	6625	5214	4446	3988	3135	3144
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1172959	93053	422758	32339	37792	42609	48313	58848	83442	119415	154586	164372	338190
2000	1177578	73904	404951	23252	34045	45121	55277	64425	78896	103935	143473	173327	381923
<b>Lung cancer</b>													
1995	91856	180	43891	401	1092	2447	4694	7388	11434	16435	18349	14531	14905
2000	90469	119	40791	370	1172	2540	4583	7546	10391	14189	17193	15726	16640
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	948.0*	129.2*	1024.8*	285.7	369.8	483.8	704.3	1061.8	1699.5	2568.6	3893.8	5865.0	13407.5
2000	853.5*	104.2*	916.9*	204.0	302.9	447.5	640.6	972.5	1513.2	2337.7	3597.7	5529.3	12148.8
<b>All cancer</b>													
1995	234.4*	5.9*	313.3*	24.0	48.6	96.7	193.8	348.3	589.9	891.5	1246.2	1602.5	2525.8
2000	214.9*	5.2*	285.7*	21.1	44.0	91.7	173.5	315.7	527.7	826.1	1165.0	1540.3	2255.1
<b>Lung cancer</b>													
1995	77.7*	0.2*	118.6*	3.5	10.7	27.8	68.4	133.3	232.9	353.5	462.2	518.5	590.9
2000	69.6*	0.2*	103.5*	3.2	10.4	25.2	53.1	113.9	199.3	319.1	431.1	501.7	529.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	14.4*	0.1*	24.2*	1.3	3.9	8.8	19.0	30.7	45.1	60.6	69.1	77.1	94.8
2000	13.5*	0.1*	22.5*	1.2	3.5	8.4	17.2	29.1	43.0	55.3	66.3	75.2	86.3
<b>Other cancer</b>													
1995	142.3*	5.6*	170.4*	19.2	34.0	60.2	106.3	184.2	311.9	477.3	714.8	1007.0	1840.2
2000	131.8*	4.9*	159.7*	16.6	30.0	58.1	103.2	172.7	285.5	451.7	667.6	963.4	1639.5
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	43.4*	0.7*	38.3*	1.4	2.1	5.3	13.1	31.9	72.2	142.2	247.1	395.7	749.9
2000	42.9*	0.6*	37.0*	1.3	2.6	6.1	12.1	31.3	67.0	138.3	252.3	392.7	744.9
<b>Other respiratory disease</b>													
1995	42.1*	2.0*	26.0*	4.9	6.9	10.2	14.6	22.5	43.7	79.3	154.3	299.5	1058.6
2000	35.1*	1.6*	23.0*	3.4	6.3	8.4	13.5	22.0	37.5	70.2	133.7	254.7	846.3
<b>Vascular disease</b>													
1995	369.5*	6.3*	372.2*	38.1	76.4	143.2	252.2	401.7	666.3	1027.5	1627.2	2580.7	6584.4
2000	314.5*	5.5*	312.3*	31.7	68.4	125.8	210.2	346.3	551.3	852.2	1379.4	2247.1	5624.0
<b>Liver cirrhosis</b>													
1995	14.0*	0.6*	26.8*	8.2	17.4	22.7	27.6	31.2	39.5	41.3	44.2	39.7	40.1
2000	13.3*	0.4*	25.8*	6.2	14.1	24.8	28.4	31.1	37.1	38.6	39.6	39.2	33.1
<b>Other medical causes</b>													
1995	164.1*	46.7*	167.4*	115.8	127.8	125.7	129.5	155.5	212.4	305.4	472.8	800.9	2117.4
2000	158.7*	34.3*	154.2*	54.9	76.8	104.8	126.2	156.2	222.7	338.0	529.4	913.8	2339.3
<b>All non-medical causes</b>													
1995	80.6*	67.0*	80.7*	93.2	90.6	80.0	73.6	70.8	75.4	81.4	102.0	145.8	331.2
2000	74.2*	56.5*	78.9*	85.4	90.7	85.8	76.6	70.0	69.9	74.2	98.2	141.4	306.1

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

**1995, 2000: UNITED STATES**

**Female smoking-attributed deaths (Sm.) and total deaths (Total)**

	ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	43508	3795	131	41	3623	373	1171	2920	212	20836	14201
35-69 Sm.	74467	27994	22919	1525	3550	9380	1994	21894	-	13205	-
35-69 Total	262371	103622	26802	2523	74297	12083	6811	74053	5140	45608	15054
	(28%)	(27%)	(86%)	(60%)	(5%)	(78%)	(29%)	(30%)		(29%)	
70+ Sm.	140352	36195	28056	2237	5902	28610	5973	51019	-	18555	-
70+ Total	833294	149427	32411	3595	113421	36505	51271	426166	3345	152006	14574
	(17%)	(24%)	(87%)	(62%)	(5%)	(78%)	(12%)	(12%)		(12%)	
Any age Sm.	214819	64189	50975	3762	9452	37990	7967	72913	-	31760	-
Any age Total	1139173	256844	59344	6159	191341	48961	59253	503139	8697	218450	43829
	(19%)	(25%)	(86%)	(61%)	(5%)	(78%)	(13%)	(14%)		(15%)	
<b>2000</b>											
0-34 Sm.	-	-	-	-	-	-	-	-	-	-	-
0-34 Total	38281	3427	105	49	3273	286	941	2613	141	18382	12491
35-69 Sm.	73149	27457	22843	1384	3230	9909	1980	19453	-	14350	-
35-69 Total	267773	102686	27039	2371	73276	12950	7140	69425	5364	52785	17423
	(27%)	(27%)	(84%)	(58%)	(4%)	(77%)	(28%)	(28%)		(27%)	
70+ Sm.	169988	42451	33188	2507	6756	38979	6357	55250	-	26951	-
70+ Total	919719	160896	37908	3893	119095	48773	50273	431593	3498	208016	16670
	(18%)	(26%)	(88%)	(64%)	(6%)	(80%)	(13%)	(13%)		(13%)	
Any age Sm.	243137	69908	56031	3891	9986	48888	8337	74703	-	41301	-
Any age Total	1225773	267009	65052	6313	195644	62009	58354	503631	9003	279183	46584
	(20%)	(26%)	(86%)	(62%)	(5%)	(79%)	(14%)	(15%)		(15%)	

To be conservative, no deaths before age 35, and none from liver cirrhosis or non-medical causes, were attributed to smoking

**Female death rates used for calculations**

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	137215	68294	54865	11469	10422	9097	7177	5894	5402	5403	5037	3976	5042
2000	144511	69002	60250	11458	11510	10388	9021	7063	5703	5107	4928	4336	5995
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	1139173	43508	262371	14148	17991	23014	29064	37793	55429	84932	121957	151144	560193
2000	1225773	38281	267773	12888	19613	25711	34232	42326	55199	77804	115997	164373	639349
<b>Lung cancer</b>													
1995	59344	131	26802	345	725	1682	2987	4549	6826	9688	11257	9681	11473
2000	65052	105	27039	294	920	1680	3112	4907	6877	9249	11627	11579	14702
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	622.3*	62.2*	599.0*	123.4	172.6	253.0	404.9	641.2	1026.0	1572.0	2421.2	3801.0	11109.9
2000	597.6*	55.8*	571.5*	112.5	170.4	247.5	379.5	599.2	967.9	1523.4	2353.7	3791.2	10665.4
<b>All cancer</b>													
1995	161.9*	5.3*	239.2*	31.3	56.0	104.3	179.6	284.3	423.5	595.8	789.3	974.9	1406.2
2000	152.9*	4.9*	221.5*	27.6	52.2	92.0	158.1	255.1	395.6	570.0	767.5	977.3	1346.2
<b>Lung cancer</b>													
1995	39.2*	0.2*	64.7*	3.0	7.0	18.5	41.6	77.2	126.4	179.3	223.5	243.5	227.5
2000	39.1*	0.1*	61.8*	2.6	8.0	16.2	34.5	69.5	120.6	181.1	235.9	267.1	245.3
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.9*	0.1*	6.0*	0.4	0.8	1.9	4.0	7.3	11.7	16.1	19.5	22.5	34.1
2000	3.6*	0.1*	5.3*	0.3	0.7	1.9	3.5	5.8	9.7	15.1	19.8	22.8	32.2
<b>Other cancer</b>													
1995	118.8*	5.0*	168.5*	27.9	48.2	83.9	134.0	199.8	285.5	400.4	546.3	708.9	1144.6
2000	110.2*	4.7*	154.5*	24.7	43.5	74.0	120.0	179.8	265.3	373.8	511.8	687.4	1068.8
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	27.5*	0.5*	29.9*	1.4	3.0	5.1	12.9	28.4	55.6	102.7	161.8	236.6	375.8
2000	31.0*	0.4*	31.0*	1.4	2.8	5.4	11.5	27.1	57.2	111.3	188.0	276.9	458.8
<b>Other respiratory disease</b>													
1995	28.5*	1.7*	15.7*	3.2	4.5	6.0	9.8	15.5	25.6	45.0	87.3	171.8	794.2
2000	25.1*	1.4*	15.6*	2.8	4.1	6.0	9.4	15.1	25.8	45.8	82.4	160.4	654.9
<b>Vascular disease</b>													
1995	249.7*	4.1*	176.5*	18.3	31.2	54.2	99.9	176.6	317.5	537.6	928.2	1674.4	6204.1
2000	220.1*	3.8*	155.3*	17.5	31.6	51.5	87.8	152.1	273.0	473.9	809.2	1509.0	5443.0
<b>Liver cirrhosis</b>													
1995	6.1*	0.3*	10.9*	3.6	5.6	7.5	9.4	13.0	17.0	20.2	22.6	25.9	23.3
2000	5.8*	0.2*	10.3*	3.2	5.9	8.2	8.9	12.1	15.0	18.9	22.3	24.7	22.2
<b>Other medical causes</b>													
1995	120.0*	29.6*	99.2*	37.6	44.5	50.9	68.0	98.5	158.1	237.0	384.0	647.8	2120.2
2000	134.7*	26.9*	108.7*	31.2	43.4	55.8	77.0	111.3	172.2	270.0	438.2	772.7	2550.9
<b>All non-medical causes</b>													
1995	28.6*	20.8*	27.7*	28.0	27.9	25.0	25.4	24.9	28.8	33.6	48.1	69.7	186.0
2000	28.1*	18.2*	29.1*	28.8	30.3	28.6	26.9	26.4	29.1	33.4	46.1	70.1	189.5

Rates and calculations for some earlier years are in Peto, Lopez et al, 1994

<b>UNITED STATES: 2000</b>
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**Relative importance of deaths in MIDDLE age (35–69) in the year 2000**

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 74	– / 38	–
35–69	118 / 405	73 / 268	23 years
70+	150 / 699	170 / 920	8 years
<b>All ages</b>	<b>269 / 1178</b>	<b>243 / 1226</b>	<b>14 years</b>

**Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the year 2000**

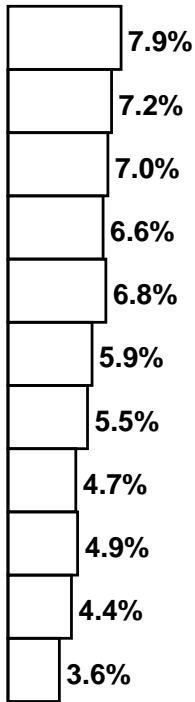
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.1	37/41	45/50	82/90	–/0.1	23/27	33/38	56/65
All Cancer	–/3.7	52/117 (45%)	63/166 (38%)	115/286	–/3.4	27/103 (27%)	42/161 (26%)	70/267
Vascular	–/3.9	34/132	35/302	69/438	–/2.6	19/69	55/432	75/504
Respiratory	–/1.5	13/23	38/86	51/111	–/1.2	12/20	45/99	57/120
All Other	–/65	20/133	14/145	34/343	–/31	14/76	27/228	41/335
<b>All Causes</b>	<b>–/74</b>	<b>118/405 (29%)</b>	<b>150/699 (22%)</b>	<b>269/1178</b>	<b>–/38</b>	<b>73/268 (27%)</b>	<b>170/920 (18%)</b>	<b>243/1226</b>

**Cancer deaths, and all deaths,  
attributed to SMOKING / total deaths (thousands) in the year 2000**

Cause	Male	Female	Male + Female
All Cancer	115 / 286 (40%)	70 / 267 (26%)	185 / 553 (34%)
All Causes	269 / 1178 (23%)	243 / 1226 (20%)	512 / 2403 (21%)

1950-2000: UNITED STATES

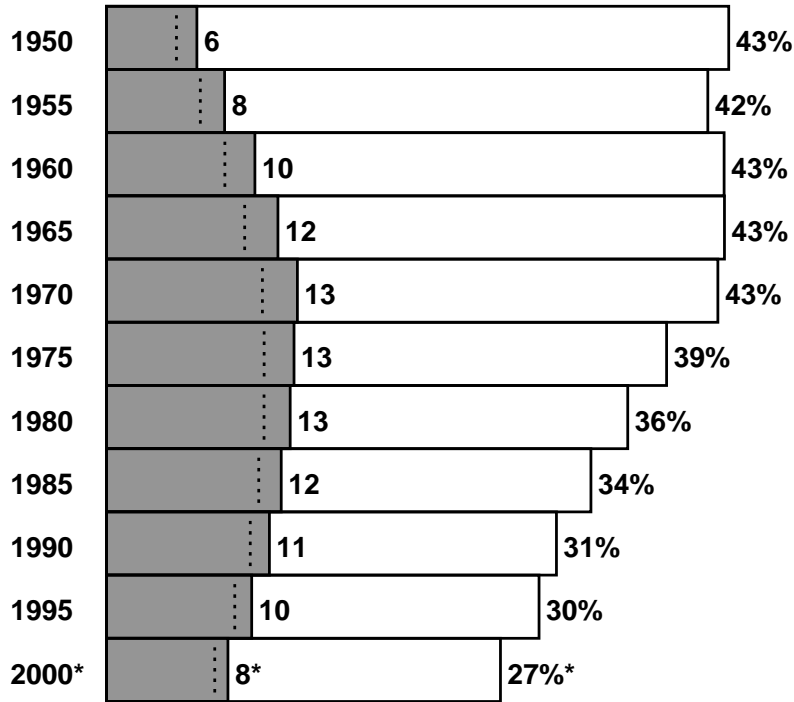
Population risk of dying at ages 0-34



Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)

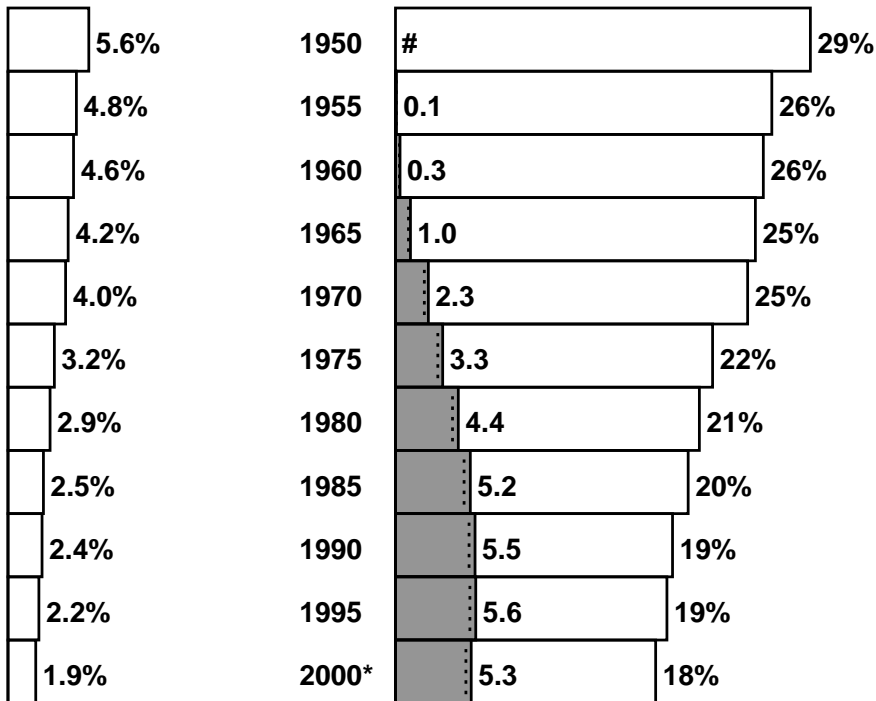
\*eg, at year 2000 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 8 of these deaths attributed to smoking)

MALE



Note: Most of those killed by smoking would otherwise have survived beyond age 70, but a minority (shaded area to right of dotted line) would have died by 70 anyway

FEMALE



# Real risk too low to estimate reliably

<b>UNITED STATES: 1950-2000</b>
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**Numbers of deaths attributed to smoking / total deaths (thousands)**

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	-/122	62/398 <b>(16%)</b>	8.2/308 <b>(3%)</b>	70/828	-/85	0.0/248	0.0/292	0.0/625
1955	-/119	83/403 <b>(20%)</b>	17/350 <b>(5%)</b>	99/873	-/79	0.7/241 <b>(0.3%)</b>	0.0/336	0.7/656
1960	-/123	109/439 <b>(25%)</b>	30/413 <b>(7%)</b>	139/976	-/81	3.6/254 <b>(1%)</b>	0.0/401	3.6/736
1965	-/118	131/460 <b>(28%)</b>	47/458 <b>(10%)</b>	178/1035	-/74	12/265 <b>(5%)</b>	0.8/454 <b>(0.2%)</b>	13/793
1970	-/119	153/482 <b>(32%)</b>	66/477 <b>(14%)</b>	219/1078	-/68	27/276 <b>(10%)</b>	6.5/498 <b>(1%)</b>	34/843
1975	-/109	155/457 <b>(34%)</b>	83/485 <b>(17%)</b>	237/1051	-/56	40/262 <b>(15%)</b>	15/524 <b>(3%)</b>	55/842
1980	-/110	155/439 <b>(35%)</b>	104/526 <b>(20%)</b>	259/1075	-/54	54/261 <b>(21%)</b>	37/600 <b>(6%)</b>	91/915
1985	-/98	152/425 <b>(36%)</b>	122/575 <b>(21%)</b>	274/1098	-/48	66/261 <b>(25%)</b>	65/680 <b>(10%)</b>	132/989
1990	-/103	147/415 <b>(35%)</b>	133/595 <b>(22%)</b>	280/1113	-/48	72/257 <b>(28%)</b>	102/730 <b>(14%)</b>	174/1035
1995	-/93	136/423 <b>(32%)</b>	145/657 <b>(22%)</b>	281/1173	-/44	74/262 <b>(28%)</b>	140/833 <b>(17%)</b>	215/1139
2000	-/74	118/405 <b>(29%)</b>	150/699 <b>(22%)</b>	269/1178	-/38	73/268 <b>(27%)</b>	170/920 <b>(18%)</b>	243/1226

**50-year total\* (M=millions), mid-1950 to mid-2000: 15/ 96M**

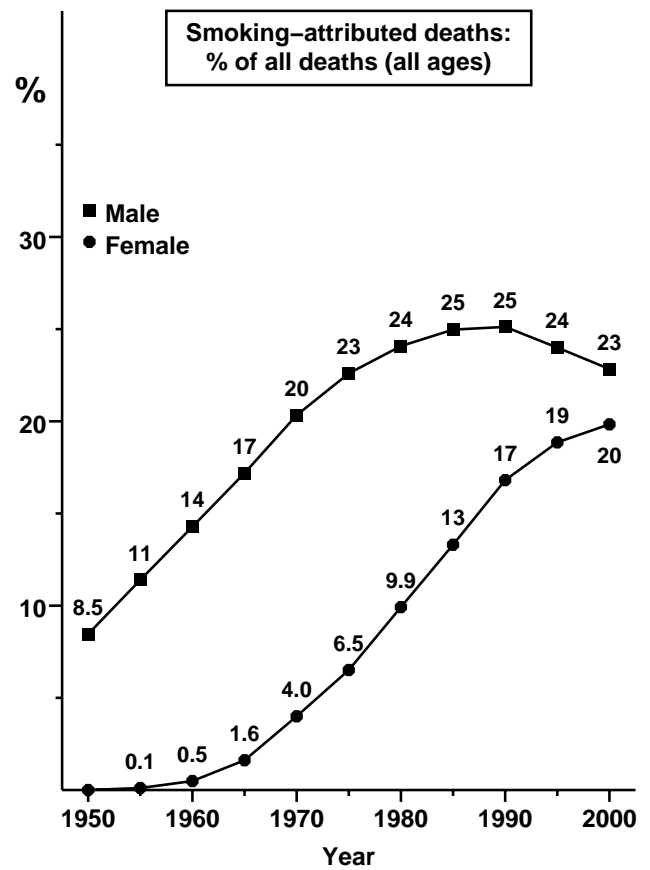
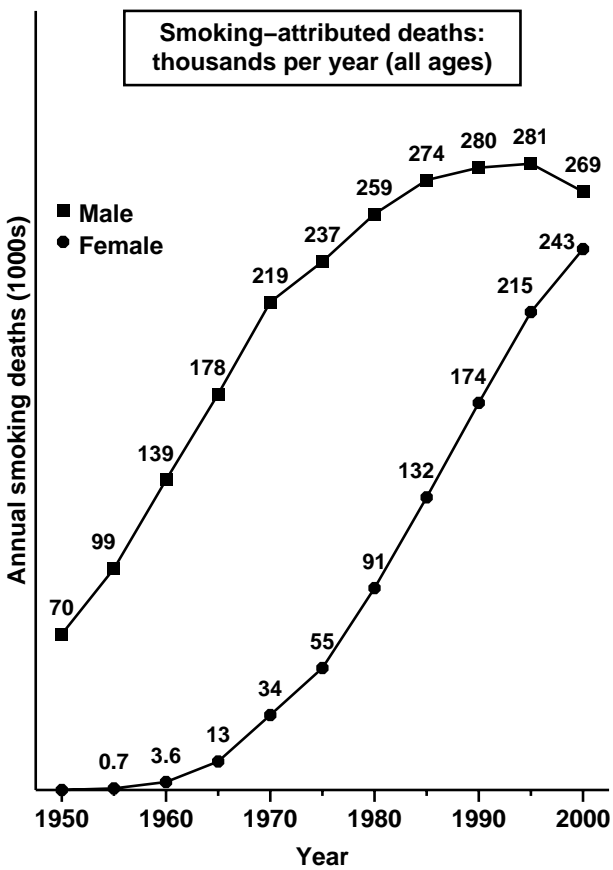
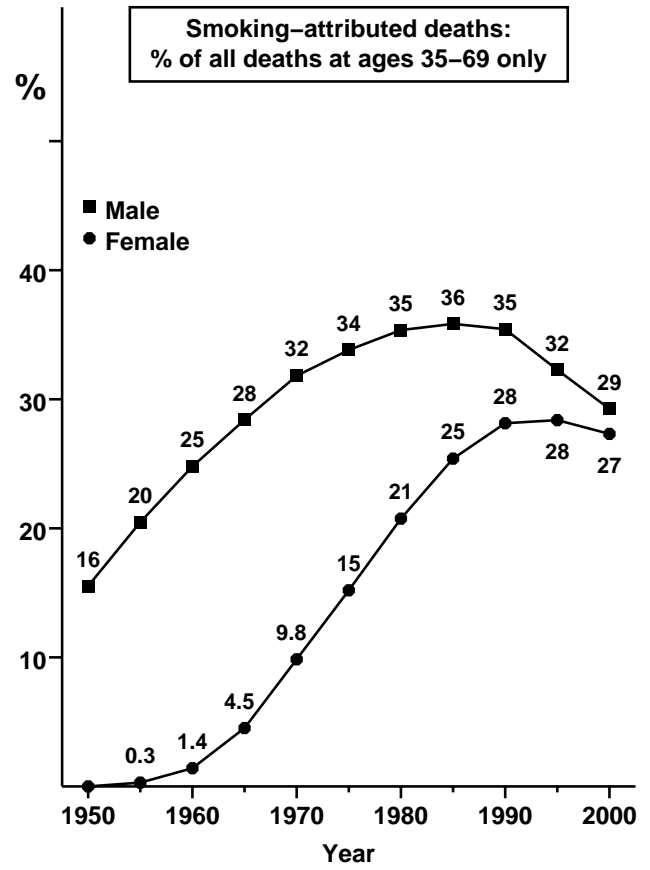
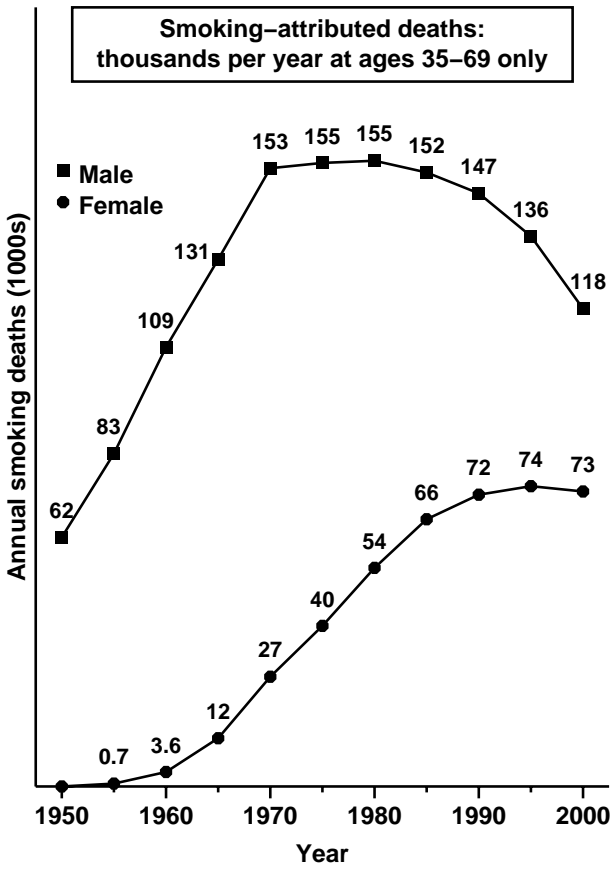
**1950-2000 by age & sex:**

-/5.4M	6.6/22M <b>(30%)</b>	4.1/25M <b>(16%)</b>	11/52M	-/3.0M	1.9/13M <b>(15%)</b>	2.2/28M <b>(8%)</b>	4.1/44M
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

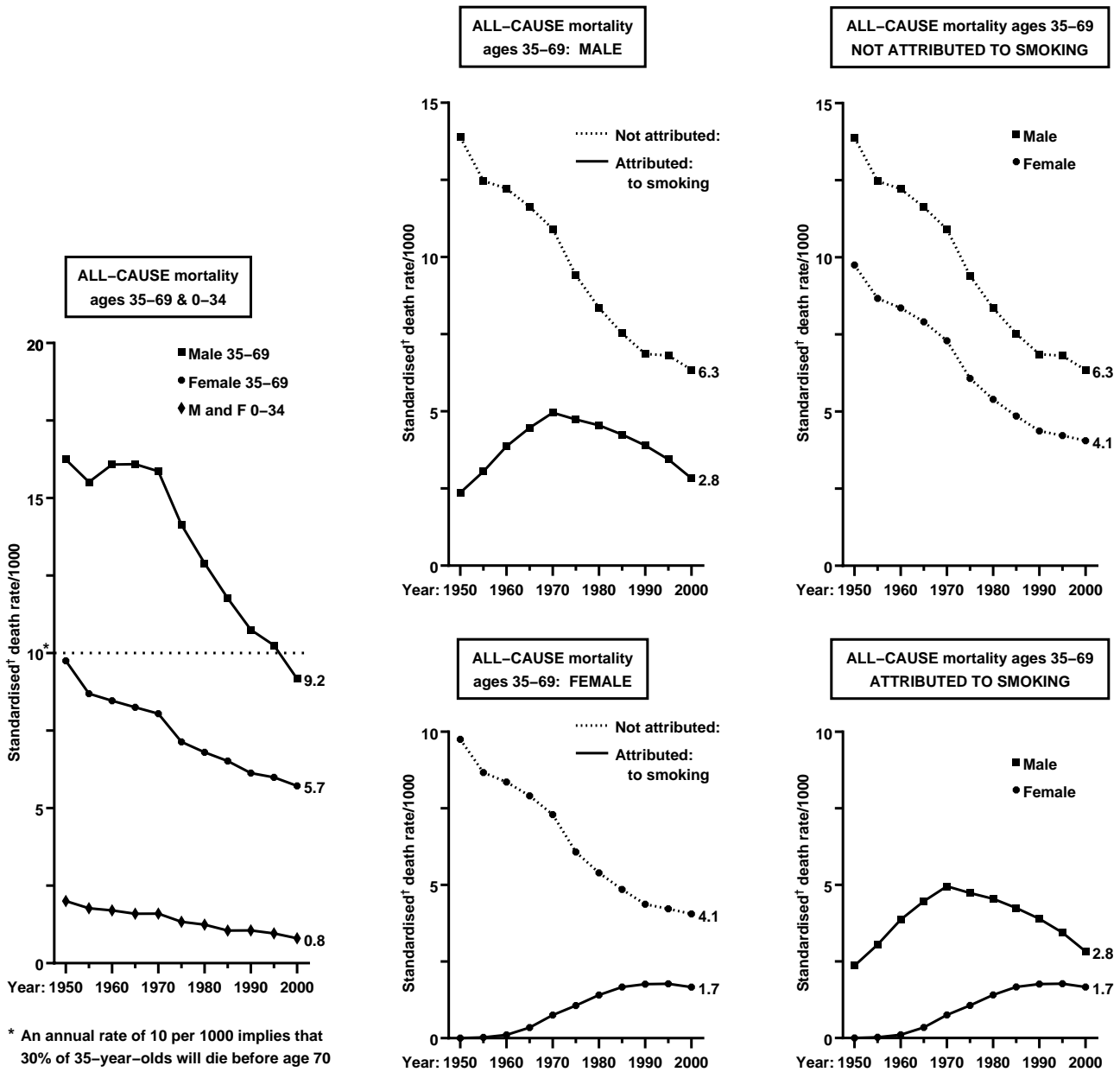


1950-2000: UNITED STATES



UNITED STATES: 1950-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking



\* An annual rate of 10 per 1000 implies that 30% of 35-year-olds will die before age 70

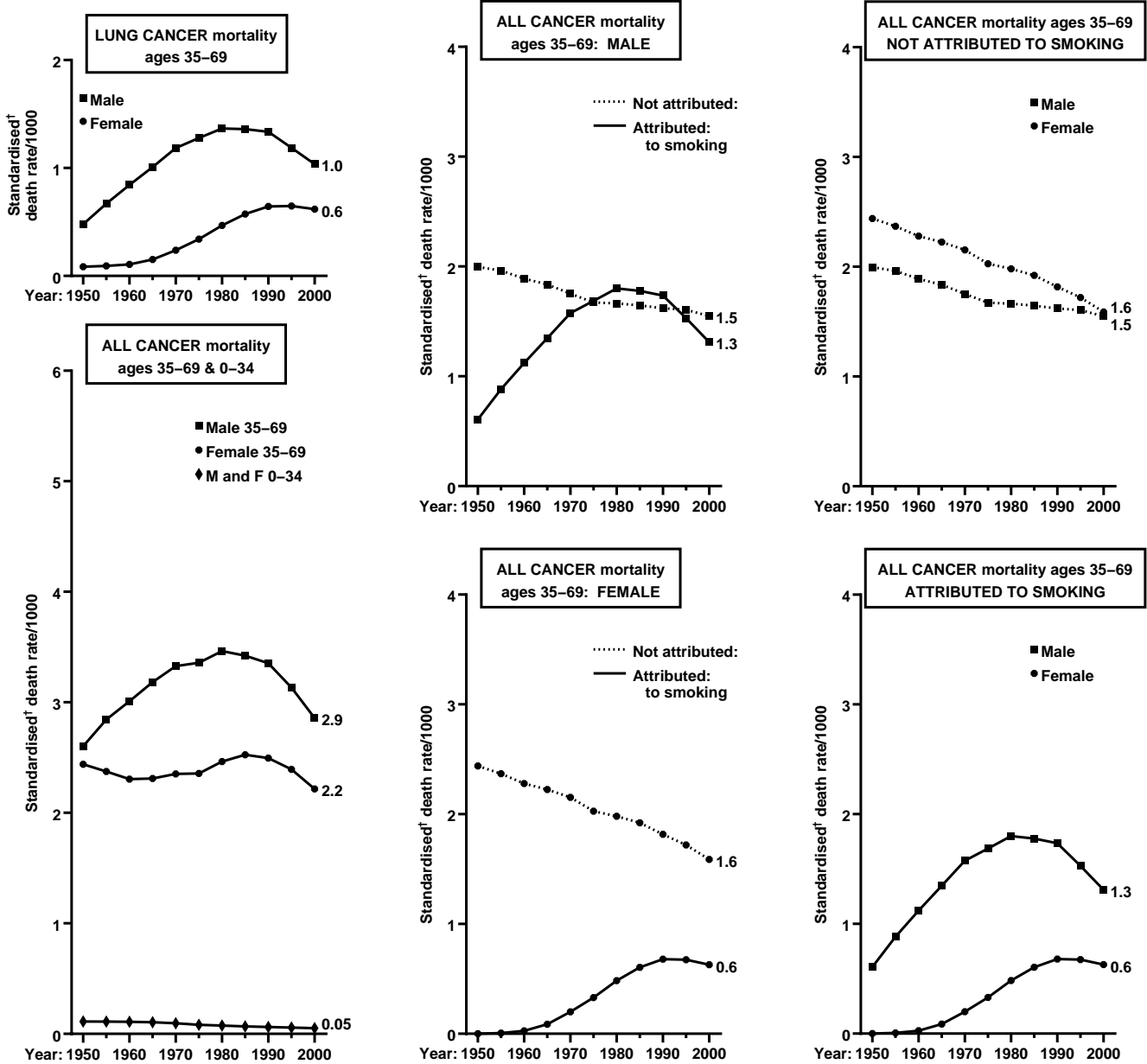
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	0-34		35-69				70-79		0-34		35-69				70-79	
	Attributed to smoking?	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	
1950	-	2.35	2.36	13.9	2.23	71.1	-	1.66	0.00	9.75	0.00	54.2	-	1.66	0.00	48.7
1955	-	2.14	3.05	12.5	3.91	66.7	-	1.40	0.02	8.67	0.00	46.2	-	1.34	0.10	42.7
1960	-	2.06	3.86	11.6	6.21	65.9	-	1.22	0.34	7.91	0.14	39.7	-	1.17	0.75	35.0
1965	-	1.96	4.46	10.9	8.66	62.7	-	0.94	1.06	6.07	1.49	31.5	-	0.85	1.41	28.8
1970	-	2.02	4.95	9.40	11.3	58.7	-	0.71	1.67	4.85	4.49	25.4	-	0.69	1.76	24.1
1975	-	1.72	4.73	8.35	14.3	48.3	-	0.62	1.77	4.22	7.05	23.1	-	0.56	1.66	23.1
1980	-	1.63	4.54	7.52	14.3	44.3	-	0.69	1.76	4.37	6.00	23.1	-	0.62	1.77	23.1
1985	-	1.38	4.24	6.86	13.4	38.6	-	0.62	1.77	4.22	7.05	23.1	-	0.62	1.77	23.1
1990	-	1.42	3.89	6.81	12.6	36.2	-	0.62	1.77	4.22	7.05	23.1	-	0.62	1.77	23.1
1995	-	1.29	3.44	6.34	11.7	33.9	-	0.56	1.66	4.05	7.64	23.1	-	0.56	1.66	23.1
2000	-	1.04	2.83	6.34	11.7	33.9	-	0.56	1.66	4.05	7.64	23.1	-	0.56	1.66	23.1

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

1950-2000: UNITED STATES

ALL CANCER mortality rates attributed and not attributed to smoking



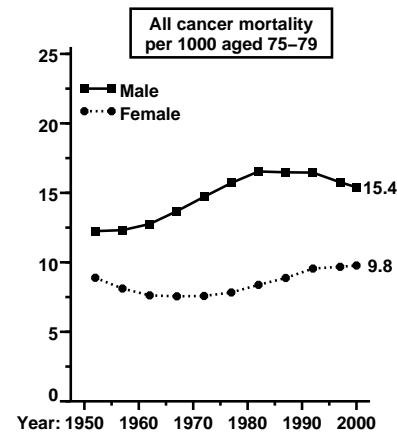
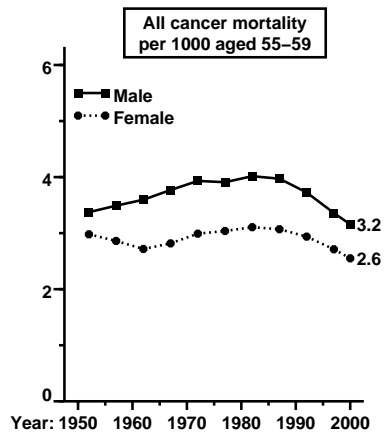
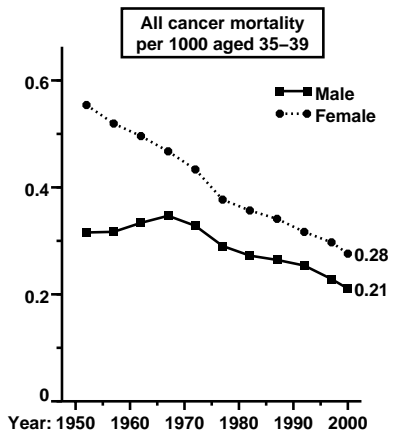
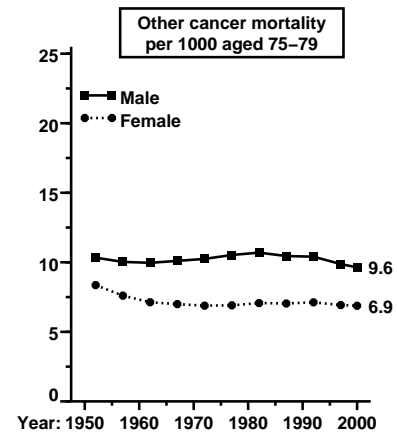
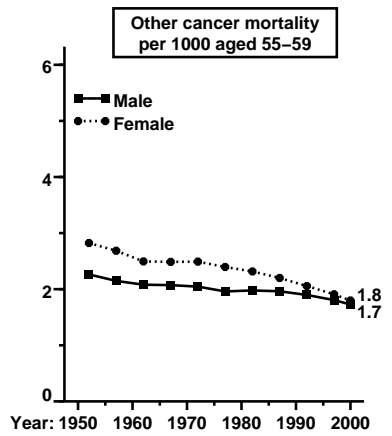
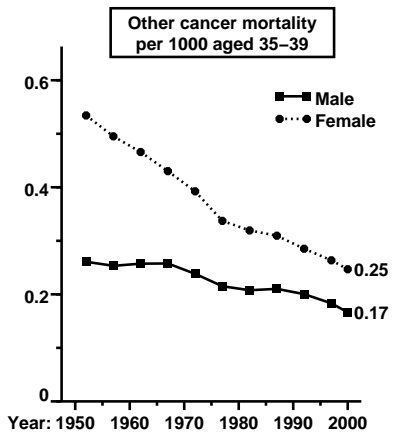
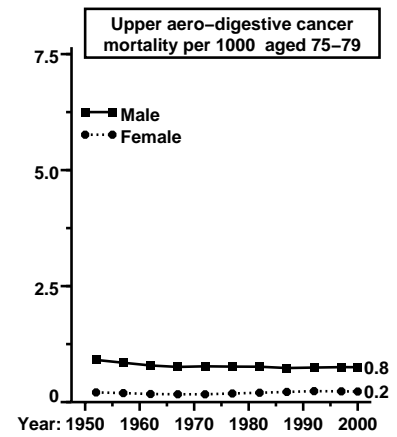
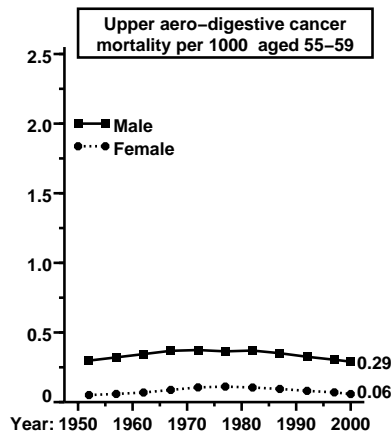
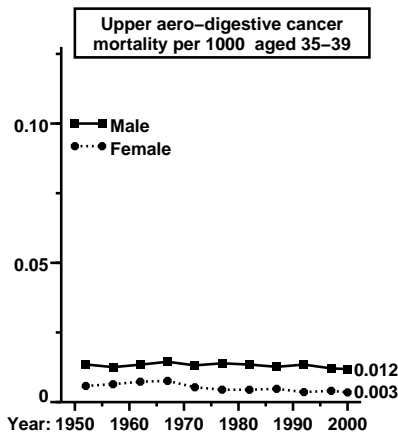
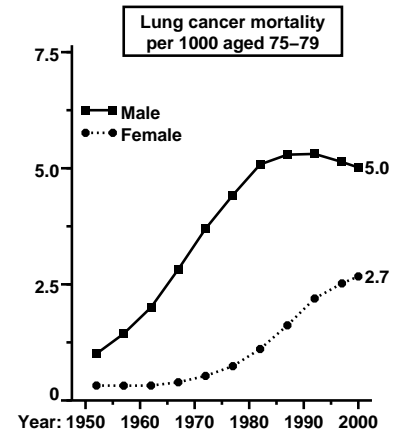
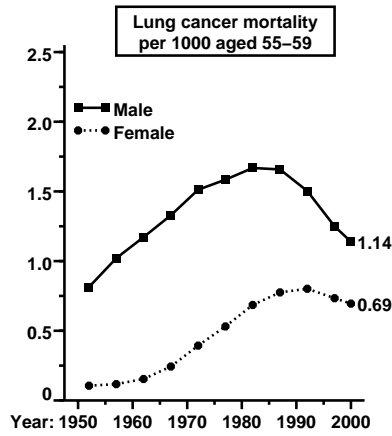
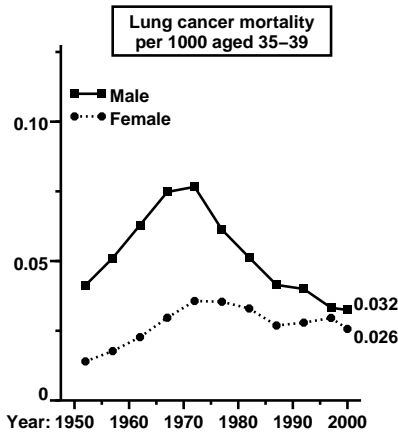
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	0.11	0.61	1.99	0.83	9.79	-	0.11	0.00	2.44	0.00	7.91	-	0.11	0.00	2.37	0.00	7.54
1955	-	0.11	0.88	1.96	1.48	9.60	-	0.11	0.01	2.37	0.00	7.54	-	0.10	0.03	2.28	0.00	7.02
1960	-	0.11	1.12	1.89	2.22	9.22	-	0.10	0.03	2.28	0.00	7.02	-	0.10	0.09	2.22	0.03	6.80
1965	-	0.11	1.35	1.84	3.09	8.95	-	0.10	0.20	2.15	0.18	6.68	-	0.09	0.20	2.15	0.18	6.68
1970	-	0.10	1.57	1.75	4.13	8.67	-	0.09	0.33	2.03	0.41	6.71	-	0.08	0.48	1.98	0.89	6.59
1975	-	0.09	1.69	1.67	5.13	8.77	-	0.08	0.48	1.98	0.89	6.59	-	0.07	0.60	1.92	1.42	6.55
1980	-	0.08	1.80	1.66	5.99	8.69	-	0.07	0.68	1.82	2.07	6.43	-	0.06	0.68	1.82	2.07	6.43
1985	-	0.07	1.78	1.64	6.20	8.49	-	0.06	0.67	1.72	2.50	6.32	-	0.06	0.67	1.72	2.50	6.32
1990	-	0.06	1.73	1.62	6.30	8.39	-	0.06	0.63	1.59	2.70	6.03	-	0.05	0.63	1.59	2.70	6.03
1995	-	0.06	1.53	1.60	6.10	8.15	-	0.05	0.63	1.59	2.70	6.03	-	0.05	0.63	1.59	2.70	6.03
2000	-	0.05	1.31	1.55	5.72	7.80	-	0.05	0.63	1.59	2.70	6.03	-	0.05	0.63	1.59	2.70	6.03

0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

**UNITED STATES: 1950-2000**

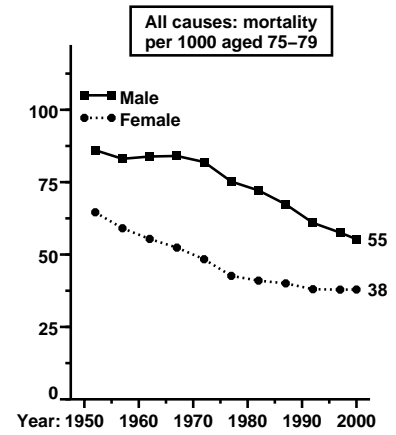
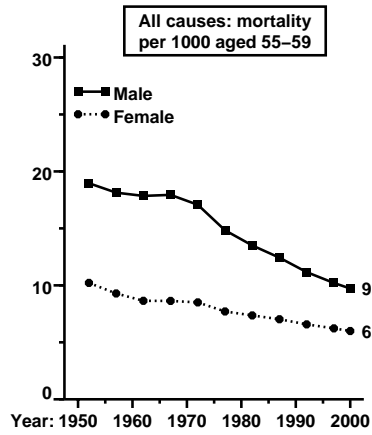
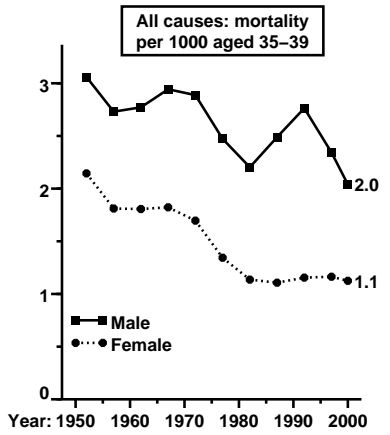
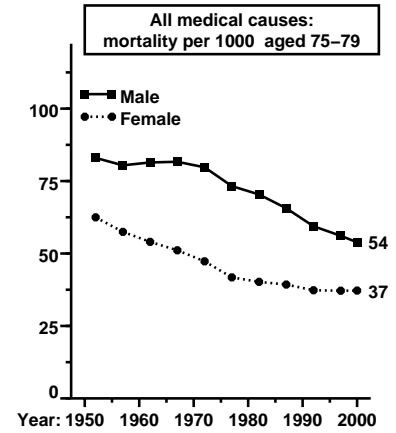
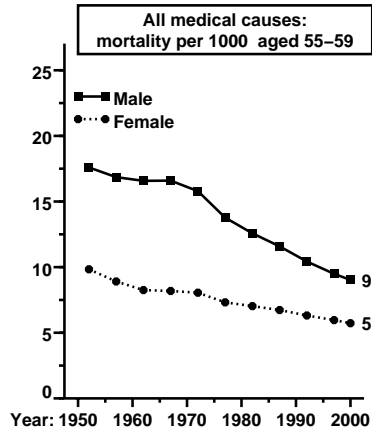
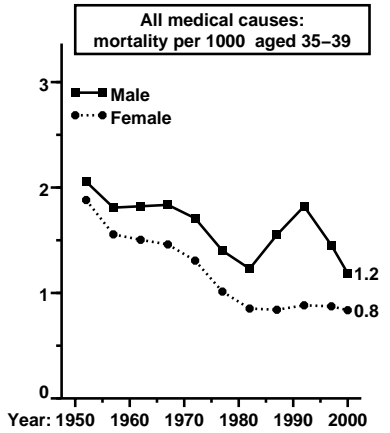
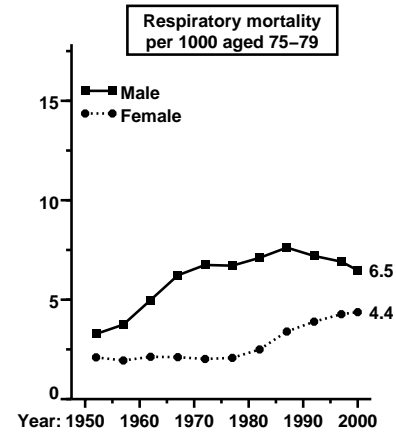
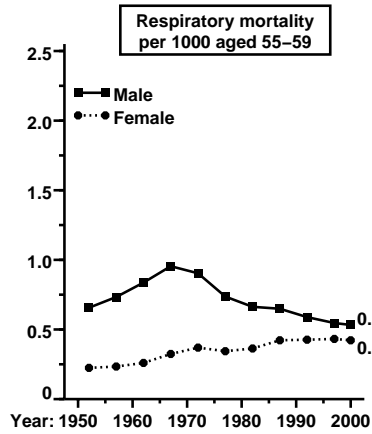
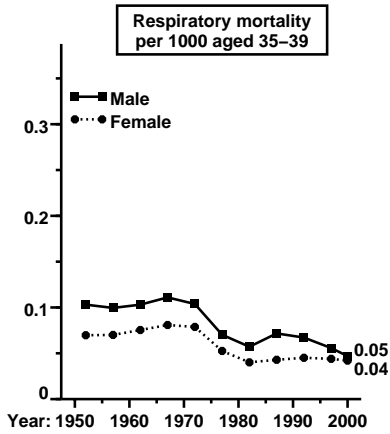
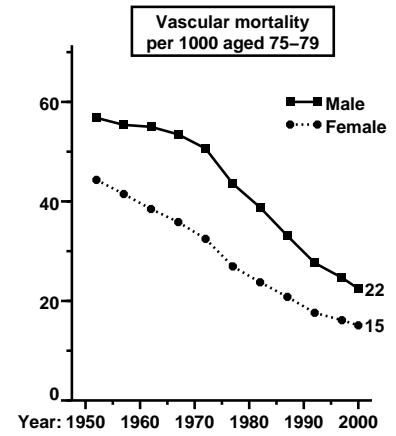
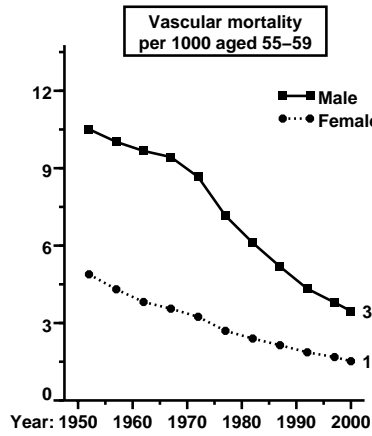
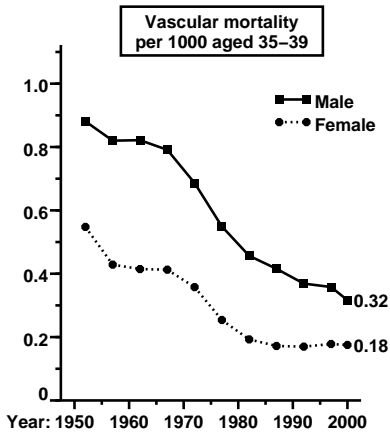
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately

1950-2000: UNITED STATES

Mortality\* trends at selected ages: 35-39, 55-59 & 75-79



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; then year 2000 separately