

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

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LUXEMBOURG

Raw data (pages 296–97, 298–99)

Analyses (pages 300–301, 302–3, 304–5)

Appendix (pages 306–7)

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	-	-
POPULATION: (1000s; UN, 2004 revision)			M=male		214.3	102.5	96.6	14.5	14.4	13.3	12.6	13.1	15.6	19.0
			F=female		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)	

LUXEMBOURG: 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
1995												
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
2000												
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>
POPULATION (1000s; UN, 2004 revision)													
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
NUMBER OF DEATHS (Source: WHO)													
All causes													
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
Lung cancer													
1995	174	-	92	1	-	6	10	20	22	33	25	26	31
2000	157	-	79	-	1	6	8	11	22	31	35	21	22
ANNUAL DEATH RATE / 100,000 (*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)													
All causes													
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
All cancer													
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
Lung cancer													
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
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
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
Other cancer													
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
Chronic obstructive pulmonary disease (COPD)													
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
Other respiratory disease													
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
Vascular disease													
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
Liver cirrhosis													
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
Other medical causes													
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
All non-medical causes													
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
1995												
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
2000												
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
POPULATION (1000s; UN, 2004 revision)													
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
NUMBER OF DEATHS (Source: WHO)													
All causes													
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
Lung cancer													
1995	39	-	13	-	2	2	2	3	2	2	8	7	11
2000	43	-	23	-	3	2	3	6	5	4	6	9	5
ANNUAL DEATH RATE / 100,000 (*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)													
All causes													
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
All cancer													
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
Lung cancer													
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
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
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
Other cancer													
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
Chronic obstructive pulmonary disease (COPD)													
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
Other respiratory disease													
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
Vascular disease													
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
Liver cirrhosis													
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
Other medical causes													
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
All non-medical causes													
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

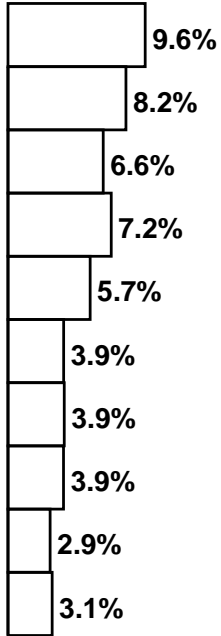
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	72/79	71/78	143/157	– / 0	16/23	12/20	28/43
All Cancer	– / 3	112/237 (47%)	110/313 (35%)	222/553	– / 5	19/166 (11%)	18/264 (7%)	37/435
Vascular	– / 2	49/184	58/465	107/651	– / 2	8/73	33/715	41/790
Respiratory	– / 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

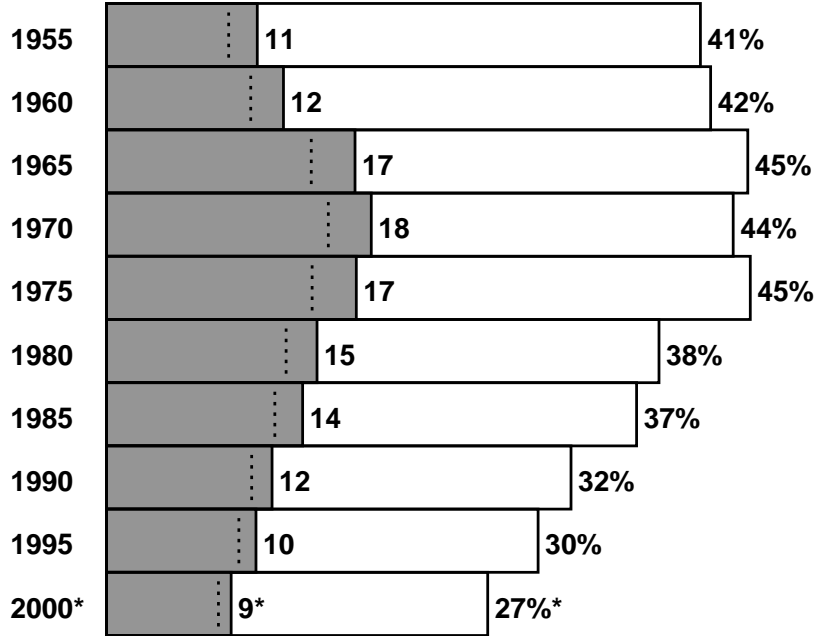
Population risk of dying at ages 0-34



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

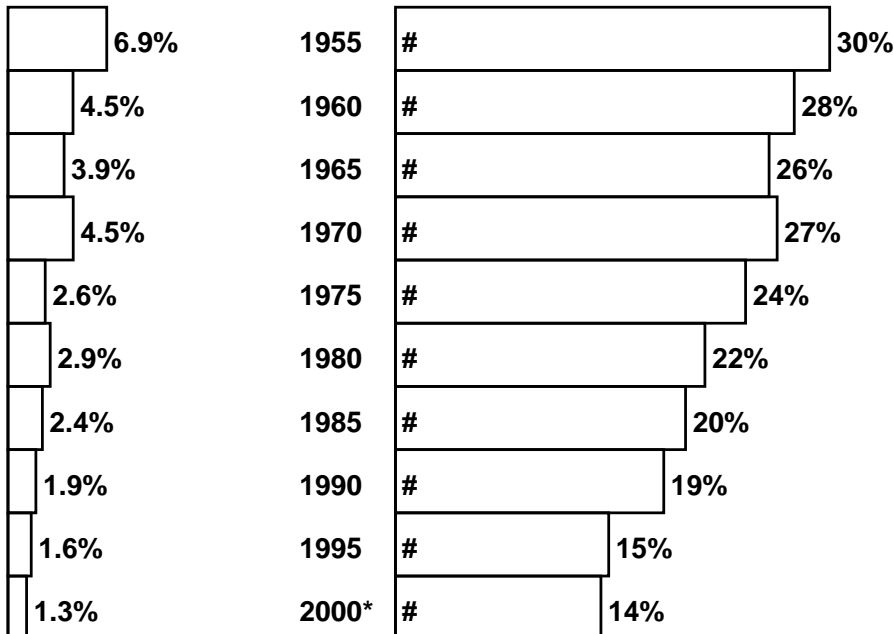
*eg, at year 2000 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 9 of these deaths attributed to smoking)

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 (27%)	40/833 (5%)	272/1912	-/146	0/591	0/858	0/1595
1960	-/211	279/893 (31%)	61/921 (7%)	340/2025	-/108	0/571	0/1012	0/1691
1965	-/168	415/1049 (40%)	145/1030 (14%)	560/2247	-/94	0/593	0/1084	0/1771
1970	-/181	432/1021 (42%)	175/1089 (16%)	607/2291	-/107	9/627	0/1131	9/1865
1975	-/156	402/1032 (39%)	250/1144 (22%)	652/2332	-/62	2/576	20/1405	22/2043
1980	-/105	321/827 (39%)	261/1184 (22%)	582/2116	-/70	22/483	10/1465	32/2018
1985	-/107	283/766 (37%)	315/1227 (26%)	598/2100	-/61	41/443	0/1476	41/1980
1990	-/108	249/727 (34%)	274/1078 (25%)	523/1913	-/51	41/443	21/1426	62/1920
1995	-/90	263/766 (34%)	272/1043 (26%)	535/1899	-/47	13/356	97/1398 (7%)	110/1801
2000	-/96	209/667 (31%)	236/1094 (22%)	445/1857	-/39	40/354	85/1459 (6%)	125/1852

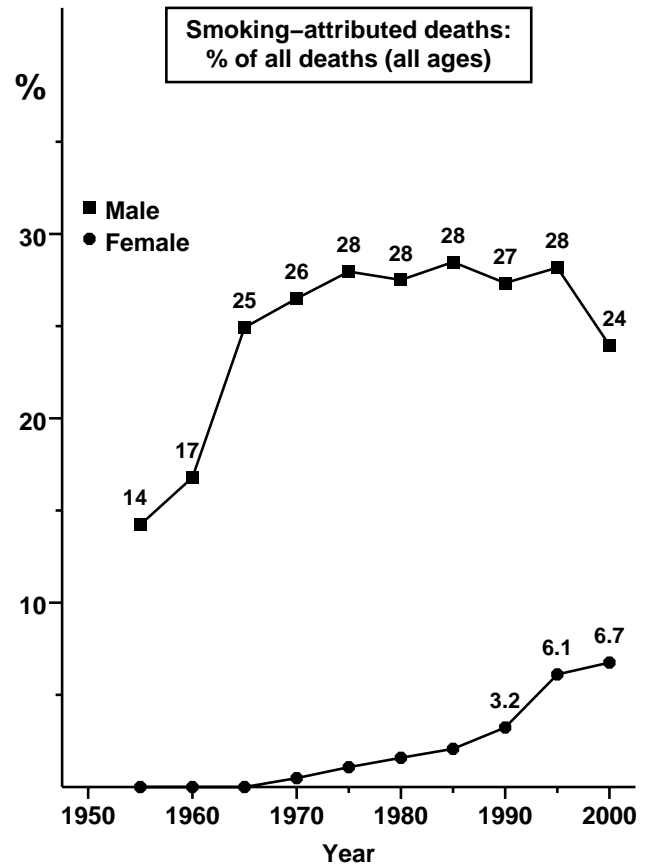
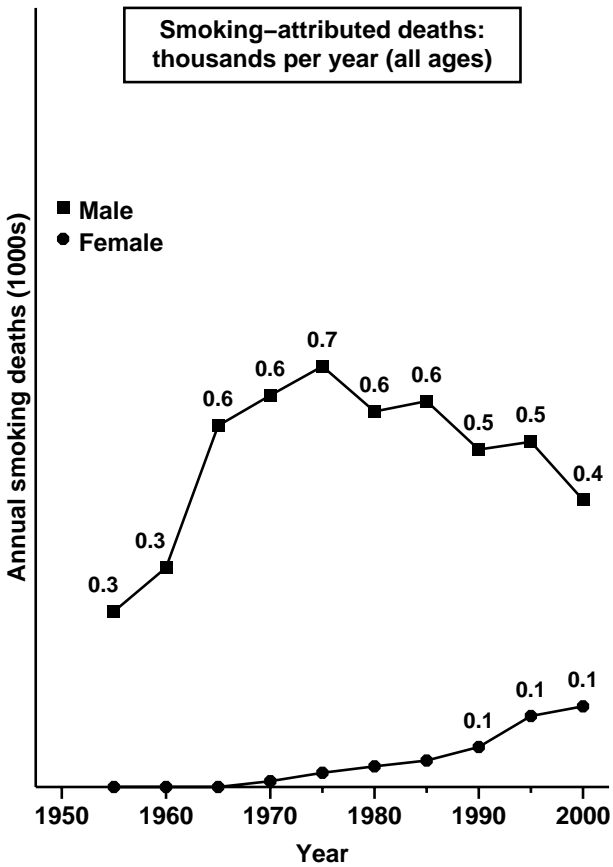
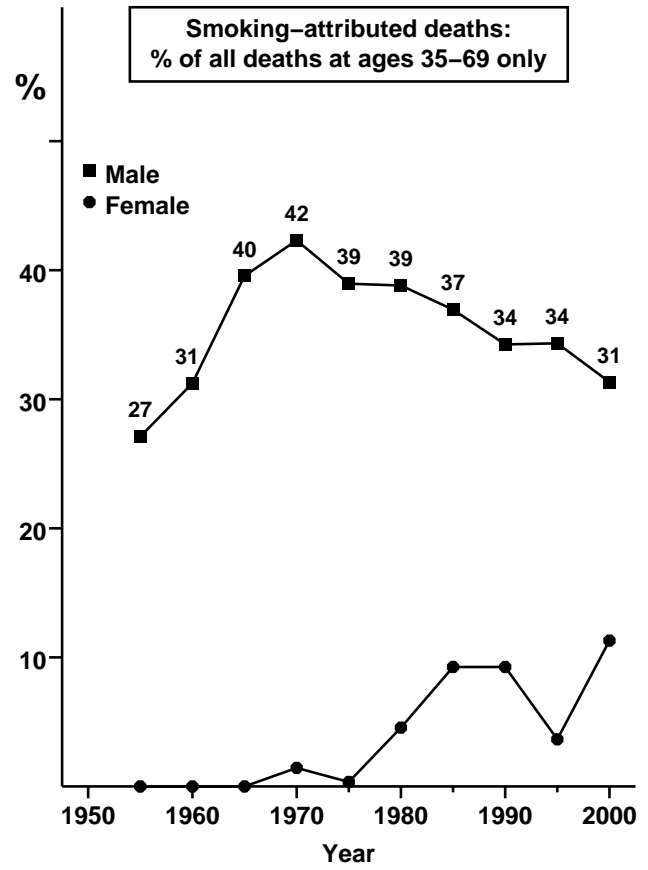
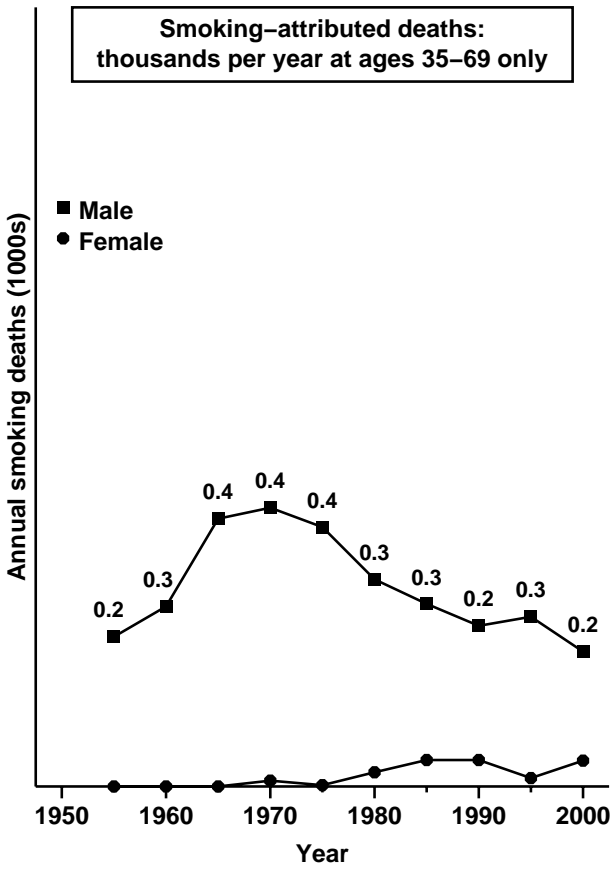
50-year total* (thousands), mid-1950 to mid-2000: 28 / 197

1950-2000 by age & sex:

-/7.4	16/45 (36%)	10/53 (19%)	26/105	-/4.1	0.6/26 (2%)	1.2/62 (2%)	1.7/92
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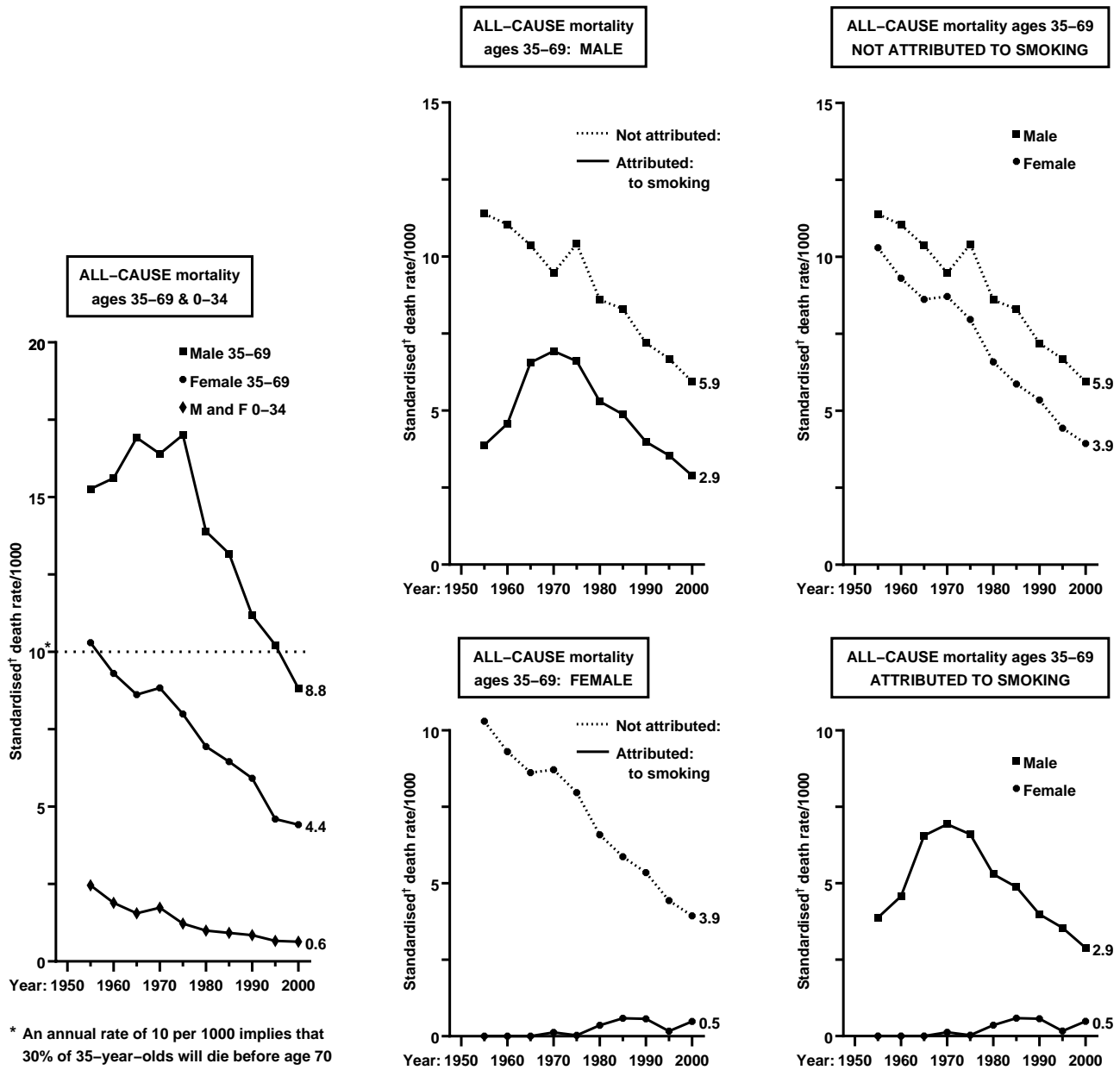
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

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

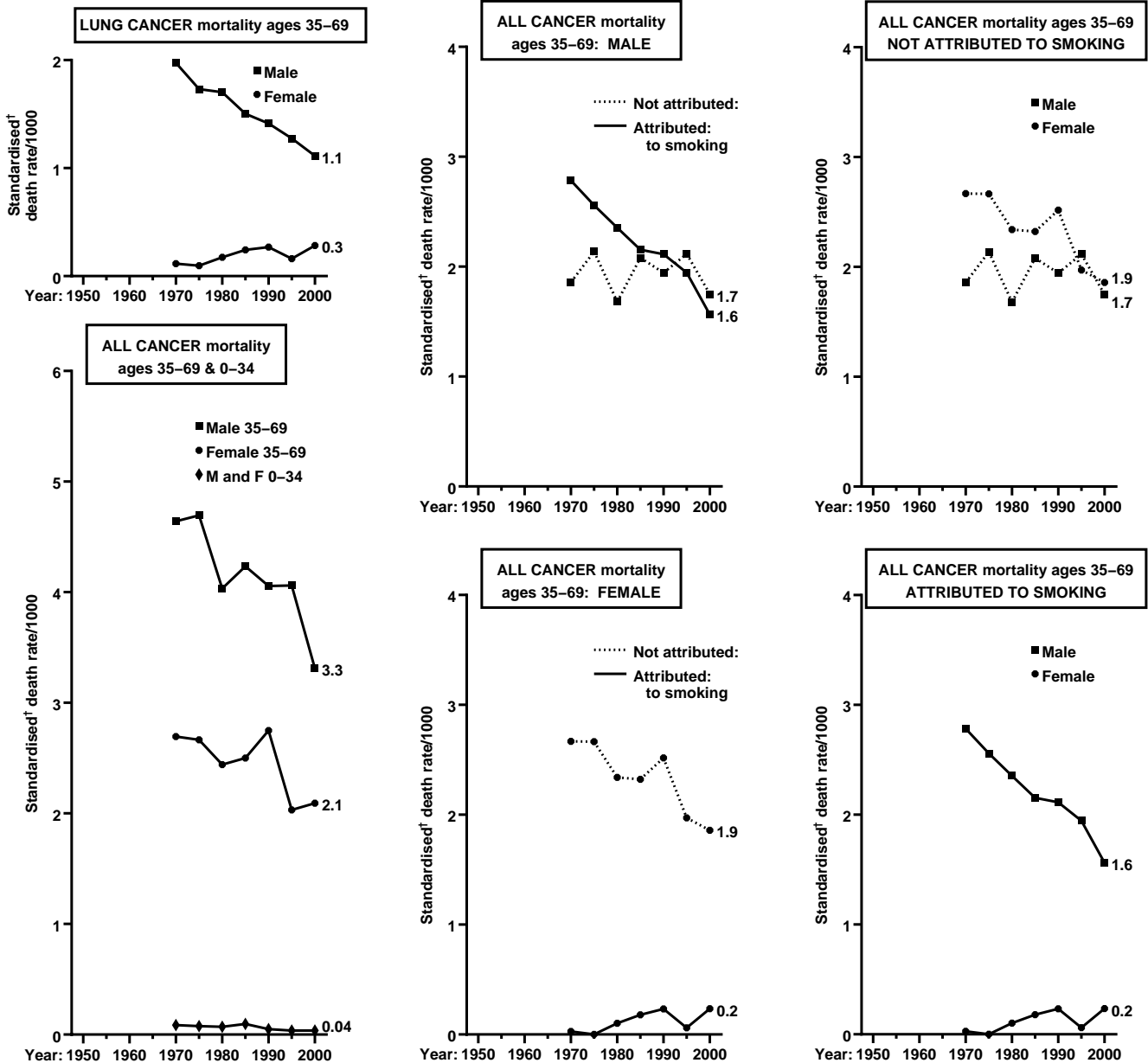
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

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	0.12	8.71	0.00	62.9	-	0.75	0.03	7.96	0.74	46.5
1970	-	2.13	6.93	9.47	15.7	68.4	-	0.85	0.35	6.58	0.59	41.5	-	0.69	0.57	5.35	0.43	33.4
1975	-	1.68	6.60	10.4	19.7	62.5	-	0.56	0.16	4.43	2.55	27.9	-	0.47	0.48	3.93	2.04	25.5
1980	-	1.13	5.29	8.60	18.6	61.1	-	0.37	0.16	4.43	2.55	27.9	-	0.47	0.48	3.93	2.04	25.5
1985	-	1.14	4.87	8.30	21.0	55.6	-	0.37	0.16	4.43	2.55	27.9	-	0.47	0.48	3.93	2.04	25.5
1990	-	1.13	3.98	7.19	18.6	44.0	-	0.37	0.16	4.43	2.55	27.9	-	0.47	0.48	3.93	2.04	25.5
1995	-	0.85	3.54	6.68	16.0	36.8	-	0.37	0.16	4.43	2.55	27.9	-	0.47	0.48	3.93	2.04	25.5
2000	-	0.89	2.88	5.94	12.1	35.9	-	0.37	0.16	4.43	2.55	27.9	-	0.47	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



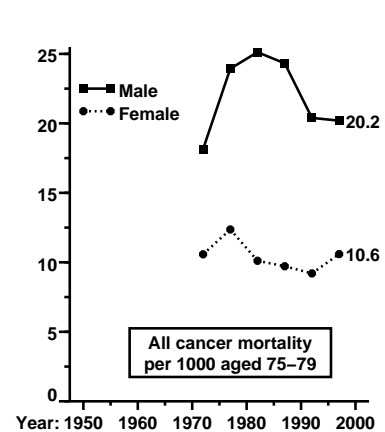
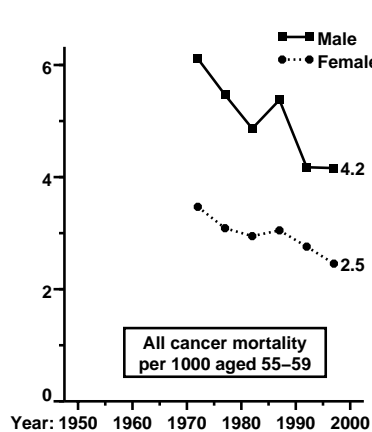
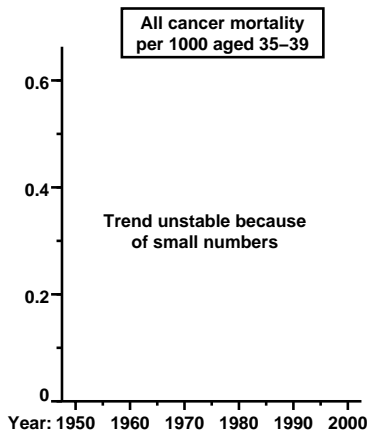
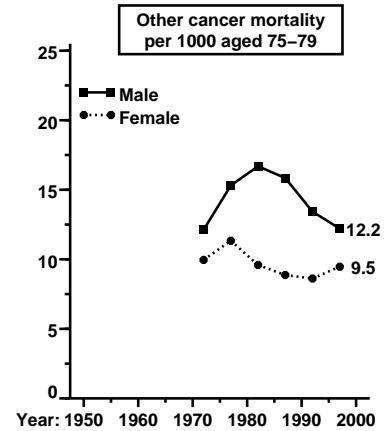
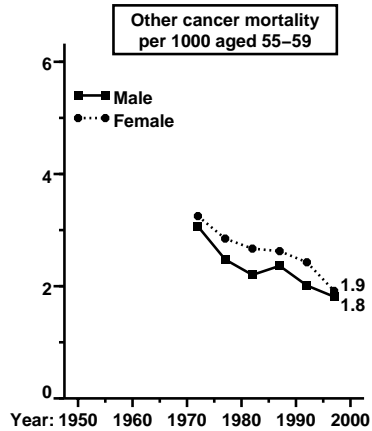
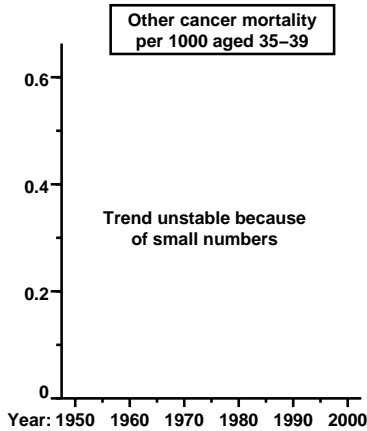
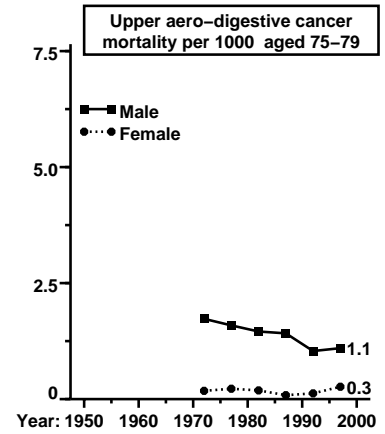
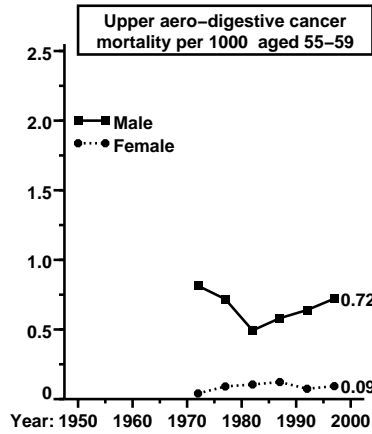
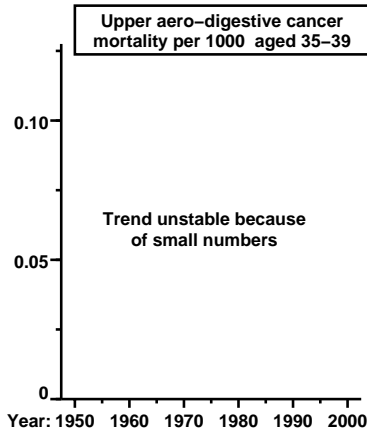
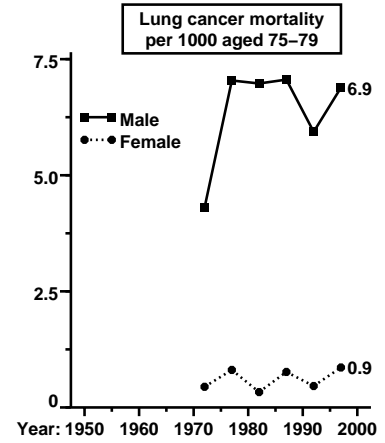
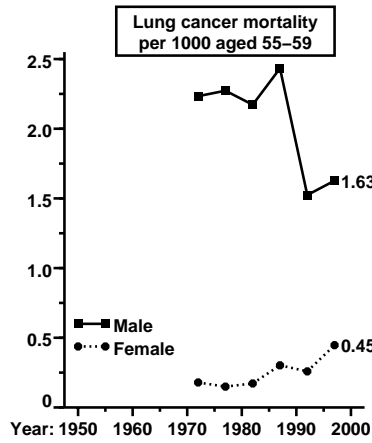
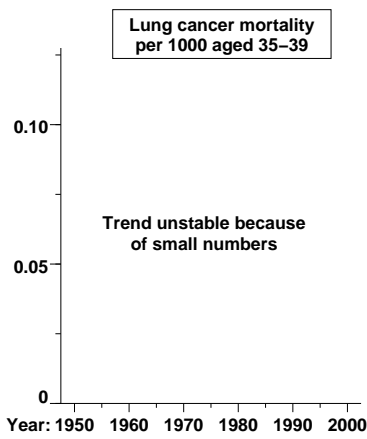
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	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			
1960			
1965			
1970	-	0.09	2.78	1.86	6.27	11.6	-	0.08	0.03	2.67	0.00	8.64				
1975	-	0.13	2.56	2.14	8.07	11.6	-	0.02	0.00	2.66	0.11	11.2				
1980	-	0.03	2.35	1.68	8.47	12.3	-	0.11	0.10	2.34	0.18	10.0				
1985	-	0.09	2.15	2.08	9.32	11.6	-	0.10	0.18	2.32	0.00	9.76				
1990	-	0.03	2.11	1.94	8.40	9.01	-	0.07	0.23	2.52	0.14	7.35				
1995	-	0.05	1.94	2.12	7.69	8.66	-	0.03	0.06	1.97	0.90	7.82				
2000	-	0.03	1.56	1.75	6.41	9.86	-	0.04	0.23	1.86	0.66	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

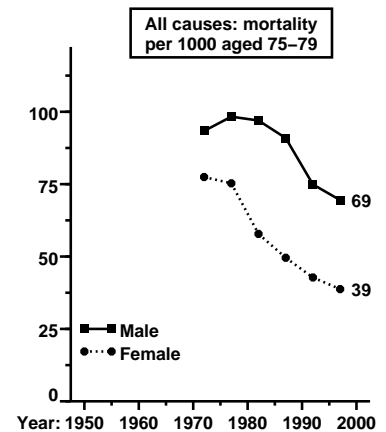
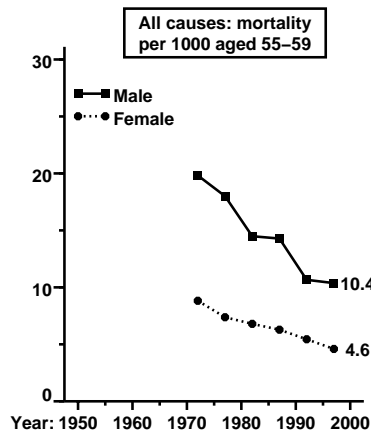
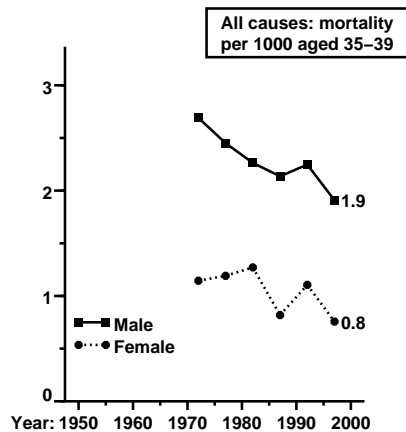
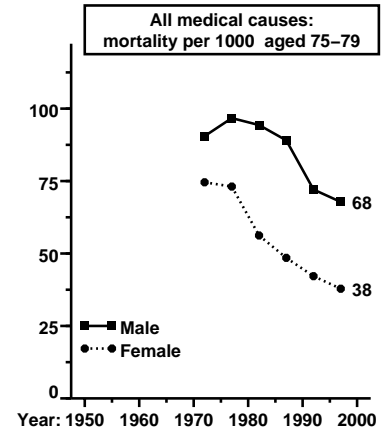
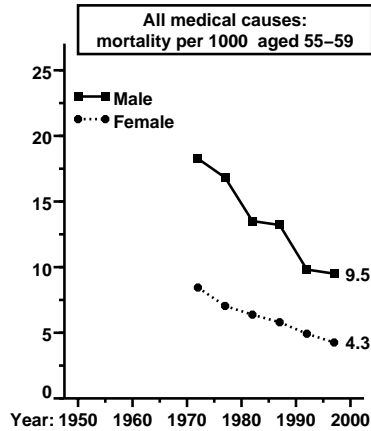
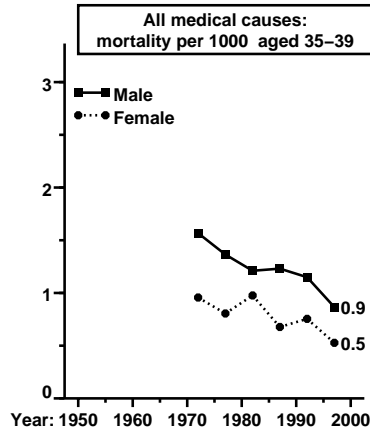
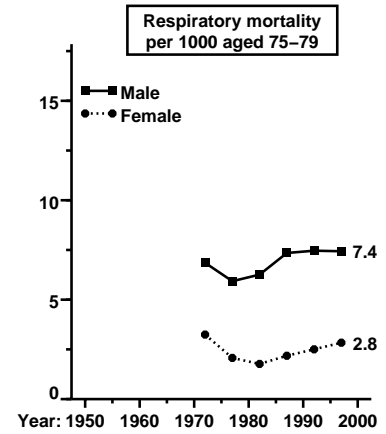
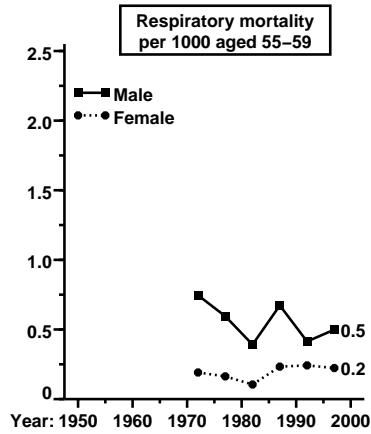
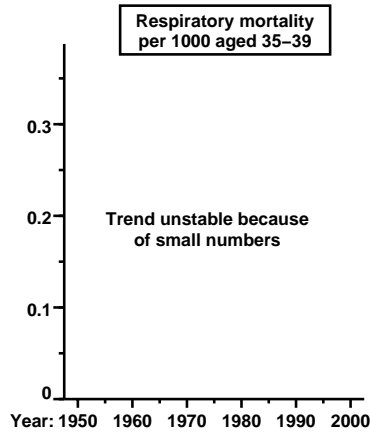
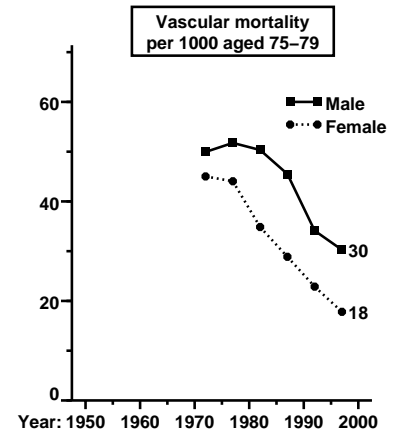
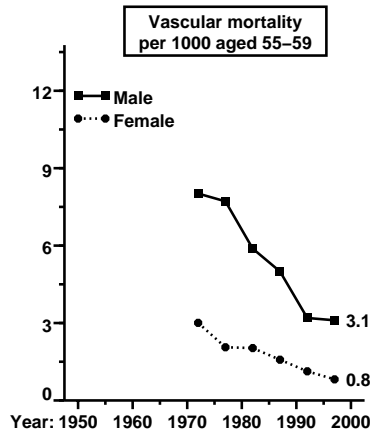
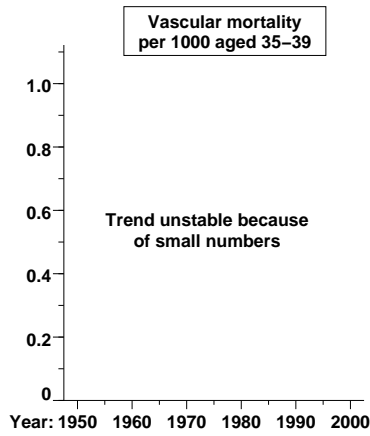
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* 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