

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

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SWEDEN

Raw data (pages 458–59, 460–61)

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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											
(1000s; UN, 2004 revision)			F=female											
					4392.2	1988.5	1932.1	236.8	307.8	294.4	259.9	263.7	300.4	325.5
					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	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-I99
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-I09
-	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-I99
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-O99
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)	

SWEDEN: 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.	-	-	-	-	-	-	-	-	-	-	-
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
2000											
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+/ <i>NK</i>
POPULATION (1000s; UN, 2004 revision)													
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
NUMBER OF DEATHS (Source: WHO)													
All causes													
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
Lung cancer													
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
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	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
All cancer													
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
Lung cancer													
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
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
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
Other cancer													
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
Chronic obstructive pulmonary disease (COPD)													
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
Other respiratory disease													
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
Vascular disease													
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
Liver cirrhosis													
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
Other medical causes													
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
All non-medical causes													
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
1995												
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 (14%)	3447 (13%)	512 (71%)	61 (39%)	2874 (2%)	230 (57%)	110 (15%)	1616 (14%)	128	812 (15%)	474
70+	Sm.	1855	477	355	43	79	385	73	698	-	222	-
	Total	38760 (5%)	6424 (7%)	566 (63%)	145 (30%)	5713 (1%)	802 (48%)	2440 (3%)	21361 (3%)	103	6756 (3%)	874
Any age	Sm.	2799	925	719	67	139	516	89	928	-	341	-
	Total	46213 (6%)	9966 (9%)	1079 (67%)	207 (32%)	8680 (2%)	1034 (50%)	2557 (3%)	23012 (4%)	232	7863 (4%)	1549
2000												
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 (16%)	3414 (15%)	578 (73%)	72 (43%)	2764 (2%)	240 (61%)	116 (16%)	1433 (16%)	111	940 (16%)	454
70+	Sm.	2441	605	442	56	107	511	84	871	-	370	-
	Total	40608 (6%)	6631 (9%)	641 (69%)	156 (36%)	5834 (2%)	928 (55%)	2105 (4%)	20940 (4%)	78	8959 (4%)	967
Any age	Sm.	3509	1123	865	87	171	658	102	1103	-	523	-
	Total	47806 (7%)	10120 (11%)	1220 (71%)	228 (38%)	8672 (2%)	1170 (56%)	2227 (5%)	22400 (5%)	190	10132 (5%)	1567

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	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
NUMBER OF DEATHS (Source: WHO)													
All causes													
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
Lung cancer													
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
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	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
All cancer													
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
Lung cancer													
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
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
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
Other cancer													
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
Chronic obstructive pulmonary disease (COPD)													
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
Other respiratory disease													
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
Vascular disease													
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
Liver cirrhosis													
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
Other medical causes													
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
All non-medical causes													
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

SWEDEN: 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	– / 0.5	–
35–69	1.5 / 10	1.1 / 6.7	22 years
70+	3.1 / 34	2.4 / 41	8 years
All ages	4.7 / 46	3.5 / 48	12 years

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

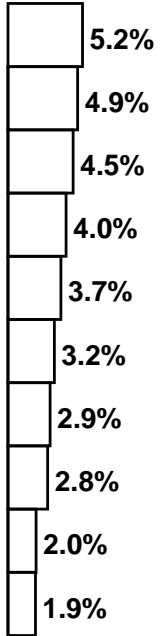
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	0.6/0.7	0.8/1.0	1.4/1.8	–/0.0	0.4/0.6	0.4/0.6	0.9/1.2
All Cancer	–/0.1	0.8/3.3 (24%)	1.3/7.6 (17%)	2.1/11	–/0.1	0.5/3.4 (15%)	0.6/6.6 (9%)	1.1/10
Vascular	–/0.1	0.4/3.8	0.9/17	1.3/21	–/0.0	0.2/1.4	0.9/21	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
All Causes	–/1.1	1.5/10 (15%)	3.1/34 (9%)	4.7/46	–/0.5	1.1/6.7 (16%)	2.4/41 (6%)	3.5/48

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

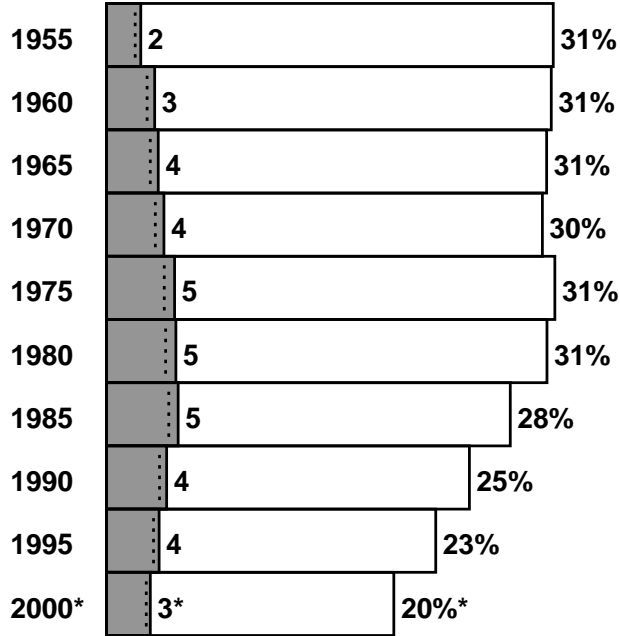
Population risk of dying at ages 0-34



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

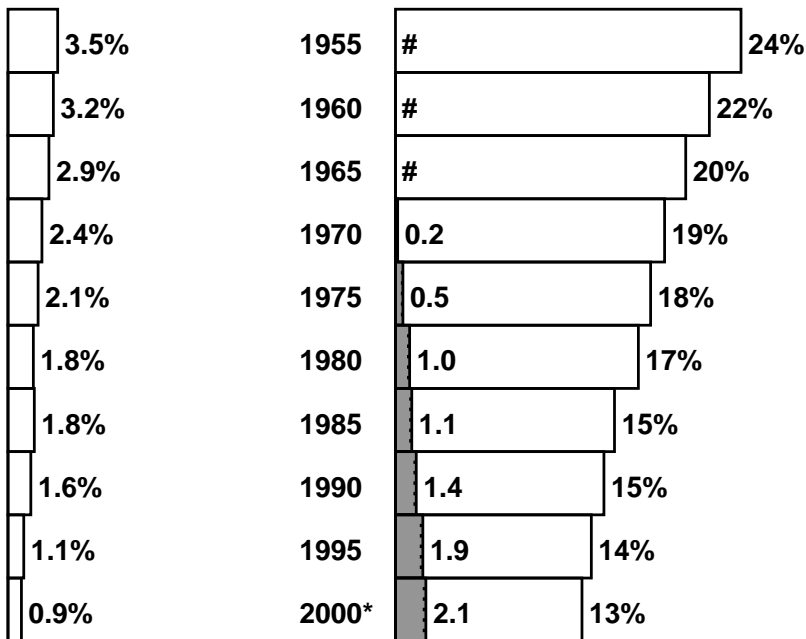
*eg, at year 2000 male death rates, out of 100 men aged 35, 20 would die before age 70 (with 3 of these deaths attributed to smoking)

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

SWEDEN: 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	-/2.8	1.1/13 (8%)	0.4/19 (2%)	1.5/36	-/1.8	0.0/11	0.0/21	0.0/33
1960	-/2.5	1.6/14 (11%)	0.7/23 (3%)	2.3/40	-/1.6	0.0/10	0.0/24	0.0/36
1965	-/2.6	1.8/15 (12%)	1.2/24 (5%)	3.0/42	-/1.5	0.0/10	0.0/25	0.0/36
1970	-/2.4	2.1/16 (13%)	1.9/25 (7%)	4.0/43	-/1.3	0.1/9.7 (0.8%)	0.3/26 (1%)	0.4/37
1975	-/2.2	2.6/17 (15%)	2.9/29 (10%)	5.5/48	-/1.2	0.3/9.4 (3%)	0.6/29 (2%)	0.9/40
1980	-/1.9	2.6/16 (16%)	3.4/31 (11%)	6.0/50	-/1.0	0.5/8.8 (6%)	0.8/32 (2%)	1.3/42
1985	-/1.6	2.6/15 (18%)	3.1/34 (9%)	5.7/50	-/0.9	0.6/7.9 (7%)	0.6/35 (2%)	1.2/44
1990	-/1.6	2.1/13 (16%)	3.2/34 (9%)	5.3/49	-/0.9	0.7/7.5 (10%)	1.3/38 (3%)	2.0/46
1995	-/1.2	1.8/11 (15%)	3.3/35 (10%)	5.1/47	-/0.6	0.9/6.8 (14%)	1.9/39 (5%)	2.8/46
2000	-/1.1	1.5/10 (15%)	3.1/34 (9%)	4.7/46	-/0.5	1.1/6.7 (16%)	2.4/41 (6%)	3.5/48

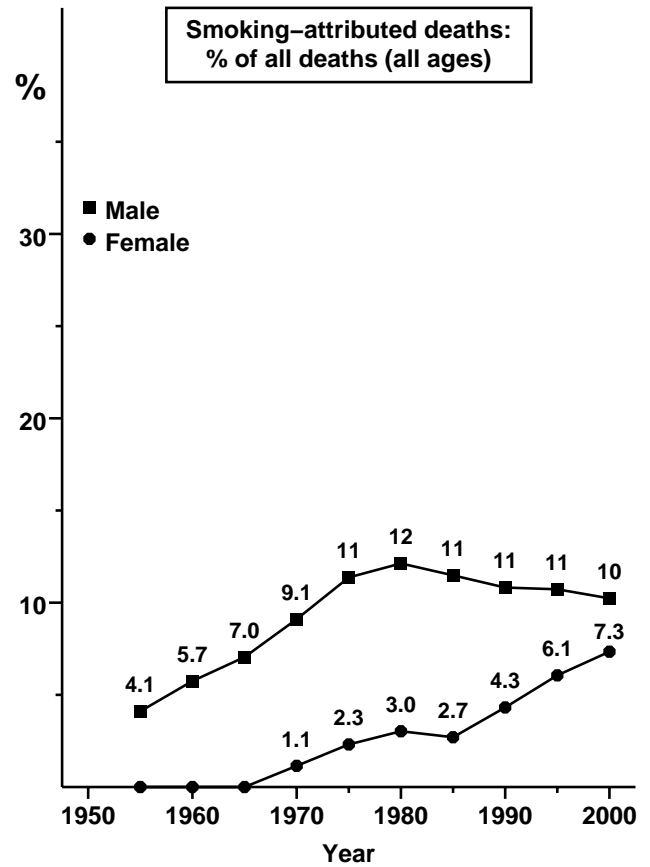
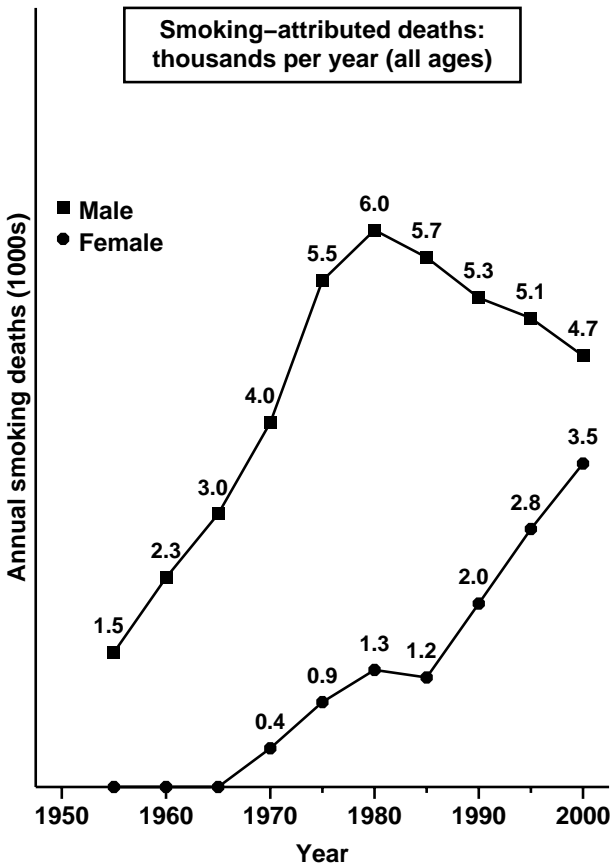
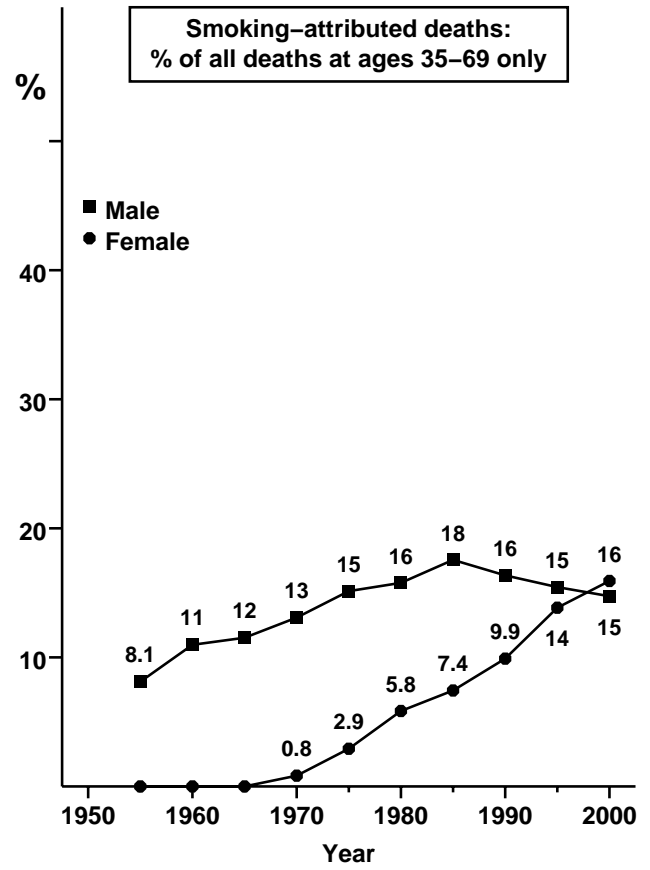
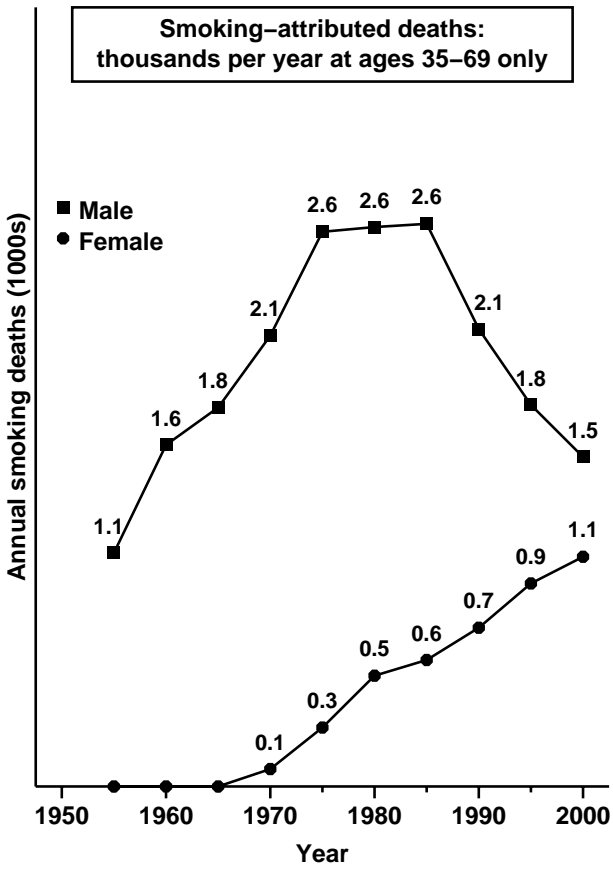
50-year total* (thousands), mid-1950 to mid-2000: 257 / 4227

1950-2000 by age & sex:

-/104	98/721 (14%)	109/1408 (8%)	207/2234	-/61	18/447 (4%)	31/1485 (2%)	49/1993
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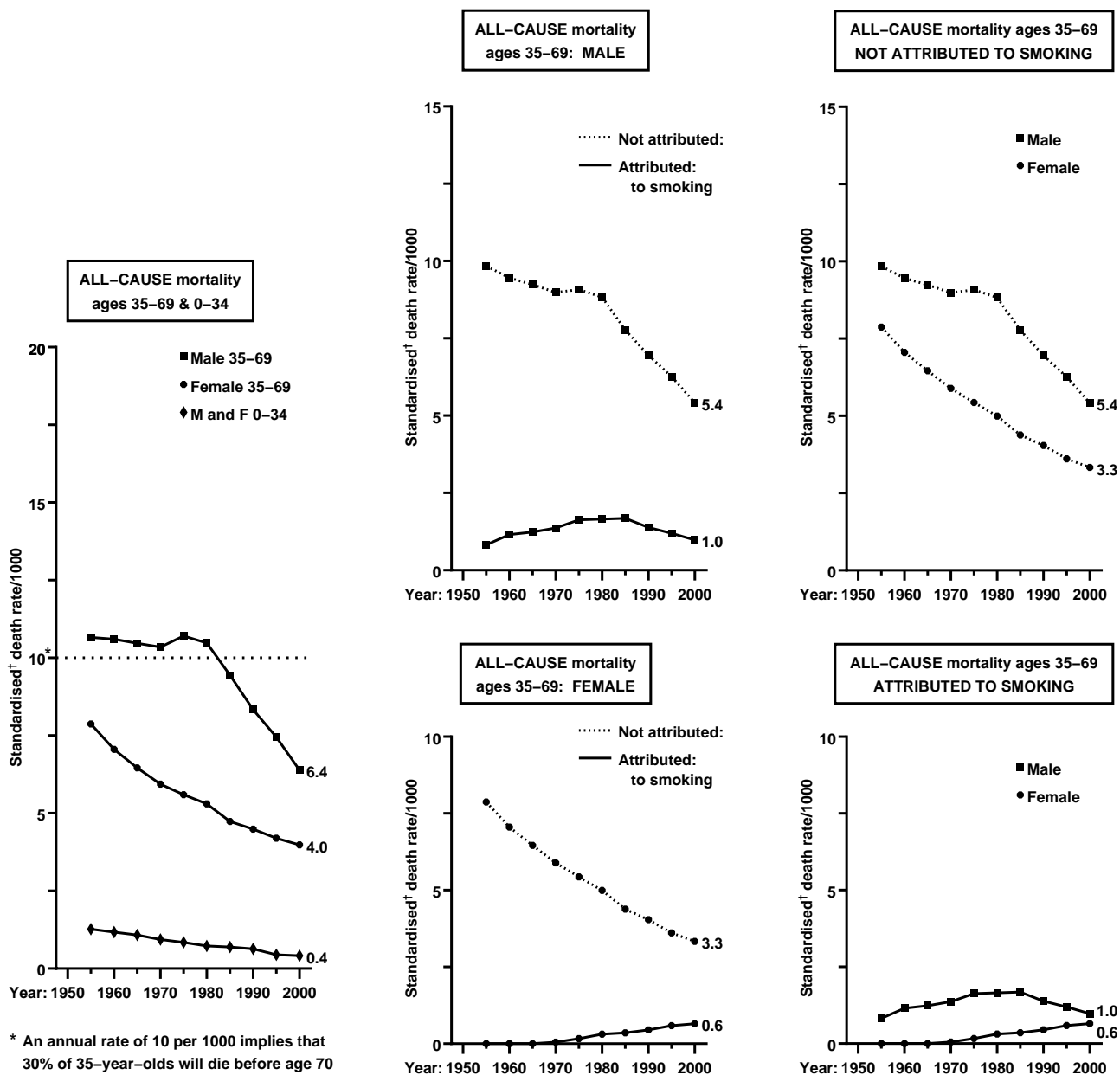
*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

1955-2000: SWEDEN



SWEDEN: 1955-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking



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

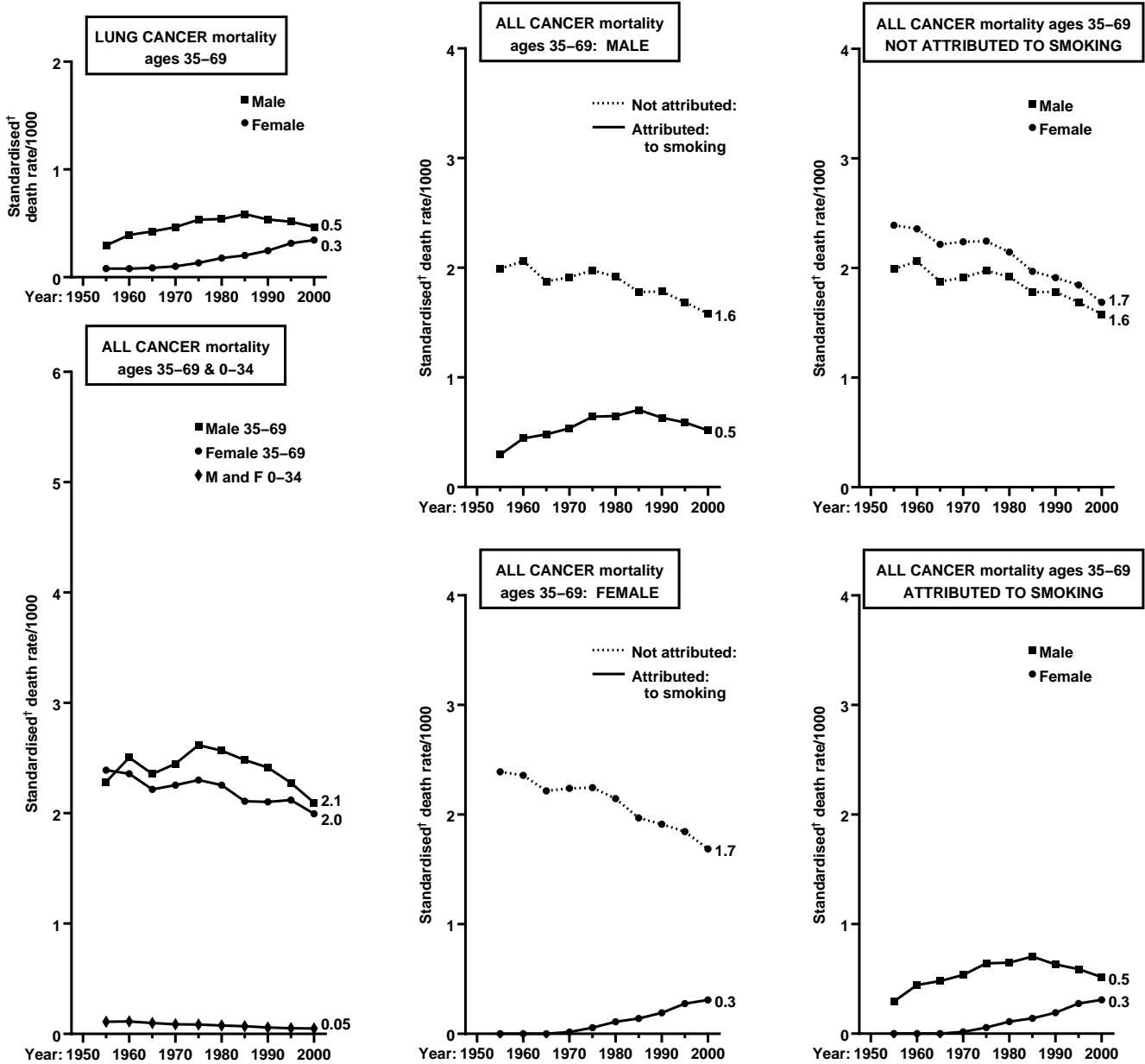
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

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	-	1.52	0.82	9.84	1.52	63.0	-	1.01	0.00	7.87	0.00	54.9	-	1.01	0.00	54.9
1960	-	1.42	1.15	9.45	2.41	63.5	-	0.92	0.00	7.05	0.00	53.0	-	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	47.6	-	0.68	0.05	41.2
1970	-	1.18	1.36	8.98	5.41	56.1	-	0.68	0.05	5.88	0.66	41.2	-	0.61	0.16	38.6
1975	-	1.07	1.63	9.08	7.41	56.8	-	0.61	0.16	5.43	1.01	38.6	-	0.51	0.31	34.2
1980	-	0.94	1.65	8.82	7.53	53.4	-	0.51	0.31	4.99	1.00	34.2	-	0.53	0.35	30.9
1985	-	0.85	1.68	7.76	6.04	50.0	-	0.53	0.35	4.38	0.75	30.9	-	0.46	0.45	28.1
1990	-	0.80	1.38	6.95	5.94	48.2	-	0.46	0.45	4.04	1.45	28.1	-	0.32	0.59	24.5
1995	-	0.56	1.19	6.26	5.57	42.6	-	0.32	0.59	3.61	1.95	24.5	-	0.27	0.65	22.2
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



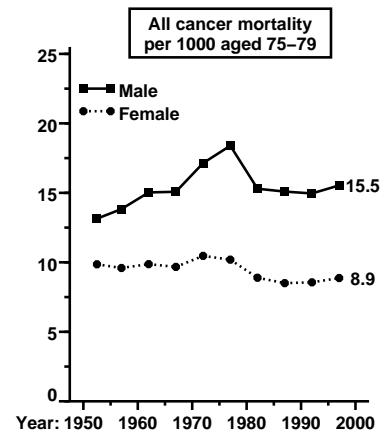
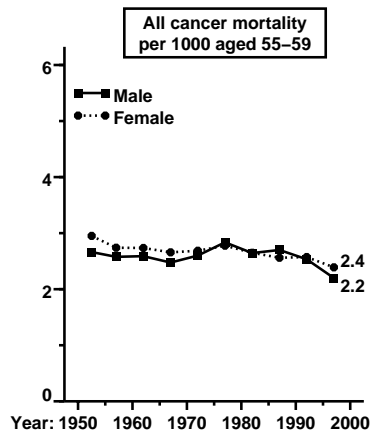
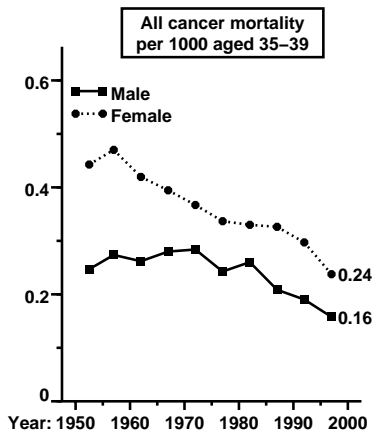
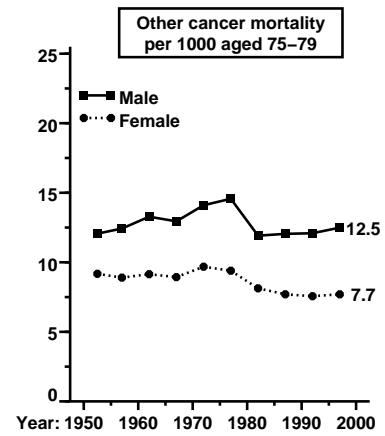
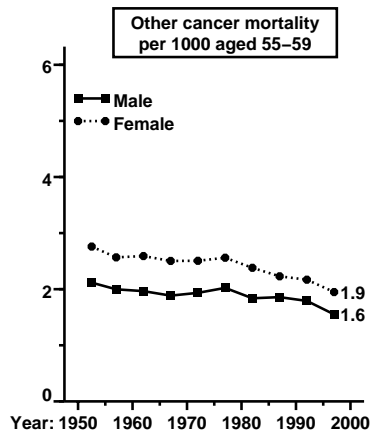
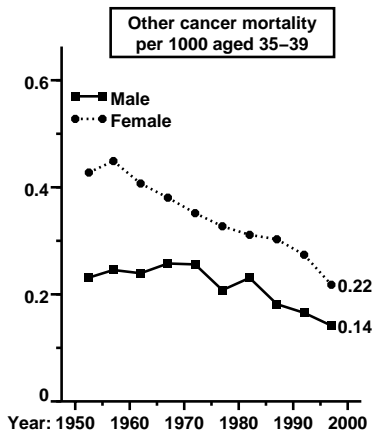
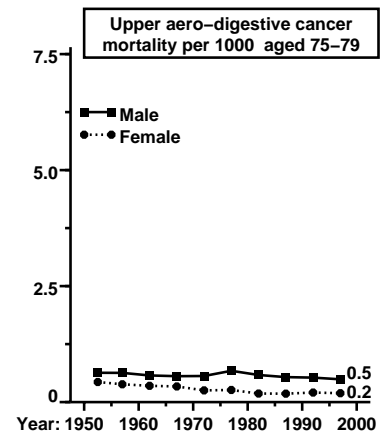
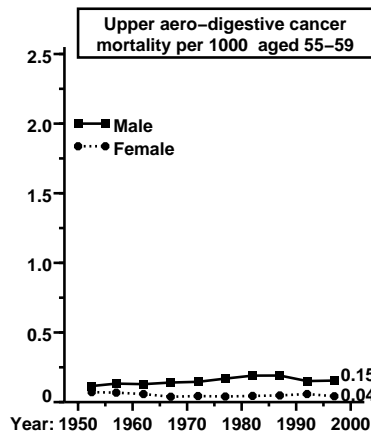
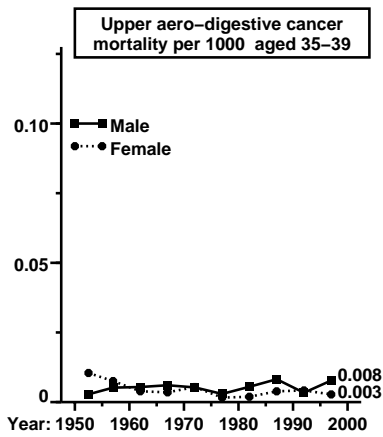
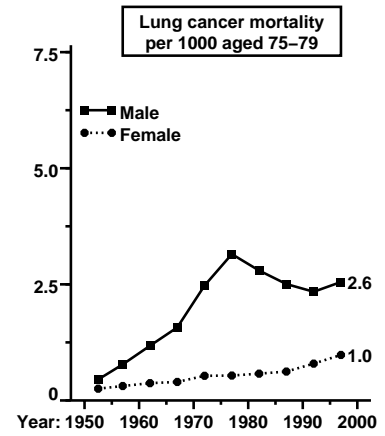
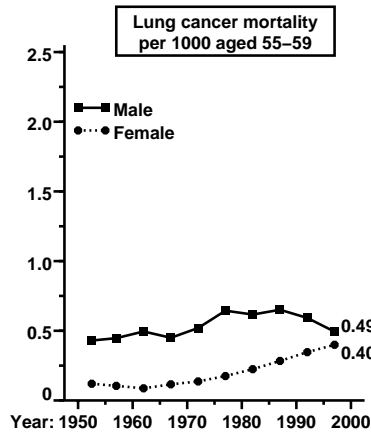
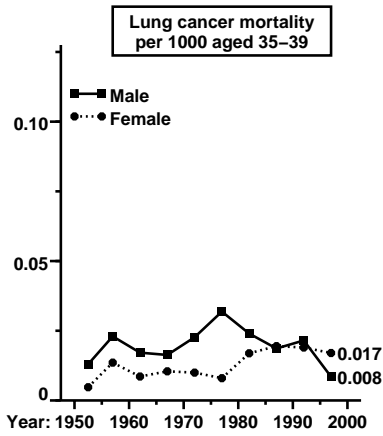
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

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		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	-	0.11	0.29	1.99	0.62	11.0	-	0.11	0.00	2.39	0.00	8.38	-	0.11	0.00	8.78		
1960	-	0.11	0.44	2.06	0.99	11.6	-	0.09	0.00	2.22	0.00	8.25	-	0.08	0.02	2.24	0.18	8.15
1965	-	0.11	0.48	1.88	1.60	11.5	-	0.09	0.06	2.24	0.32	8.64	-	0.08	0.11	2.14	0.31	8.10
1970	-	0.09	0.53	1.91	2.27	10.7	-	0.07	0.14	1.97	0.24	7.33	-	0.06	0.19	1.91	0.51	7.30
1975	-	0.09	0.64	1.98	3.17	12.0	-	0.07	0.27	1.84	0.71	6.97	-	0.05	0.27	1.84	0.71	6.97
1980	-	0.08	0.65	1.92	3.22	10.9	-	0.06	0.31	1.69	0.93	6.88	-	0.04	0.31	1.69	0.93	6.88
1985	-	0.07	0.70	1.78	2.61	10.2	-	0.06	0.31	1.69	0.93	6.88	-	0.04	0.31	1.69	0.93	6.88
1990	-	0.06	0.63	1.78	2.69	10.5	-	0.06	0.31	1.69	0.93	6.88	-	0.04	0.31	1.69	0.93	6.88
1995	-	0.06	0.59	1.69	2.64	10.2	-	0.06	0.31	1.69	0.93	6.88	-	0.04	0.31	1.69	0.93	6.88
2000	-	0.06	0.52	1.58	2.54	9.96	-	0.04	0.31	1.69	0.93	6.88	-	0.04	0.31	1.69	0.93	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

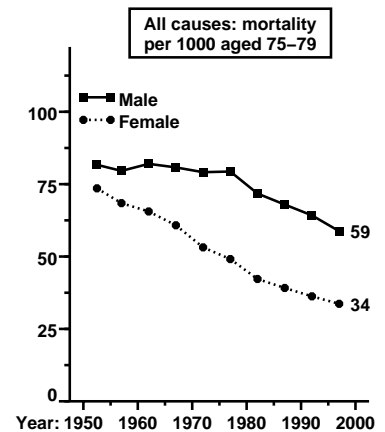
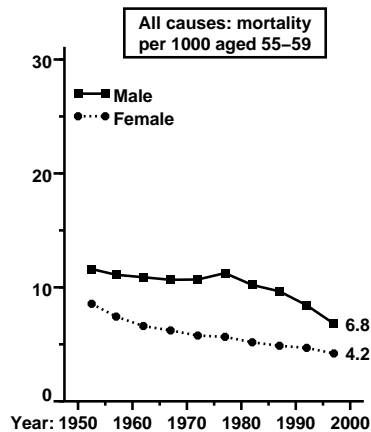
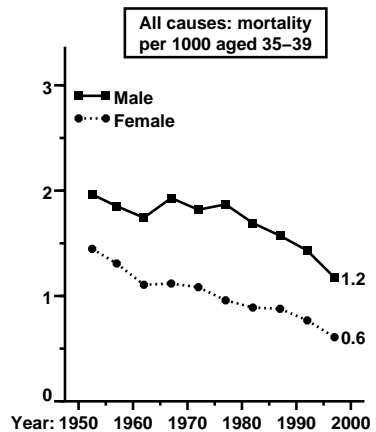
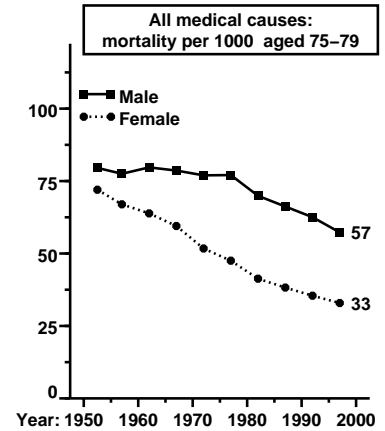
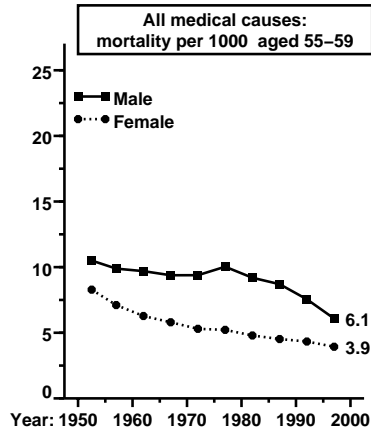
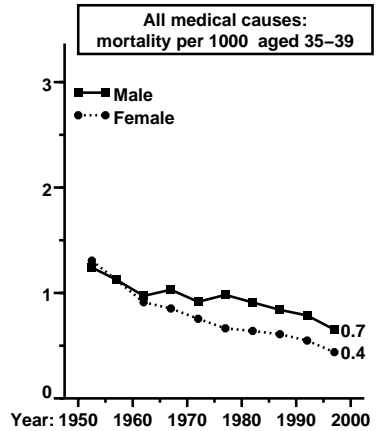
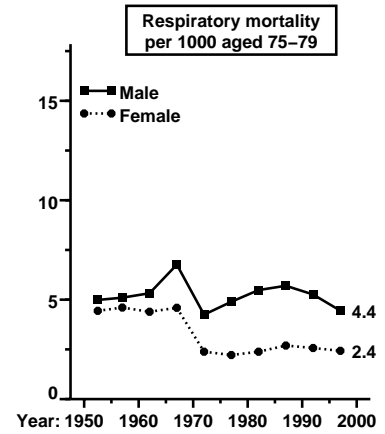
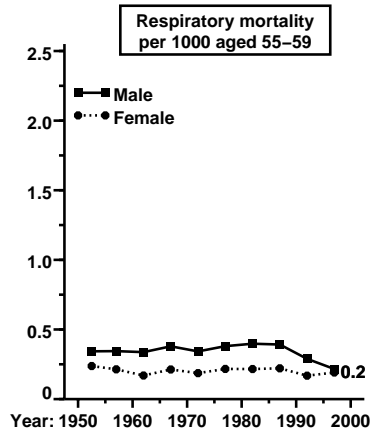
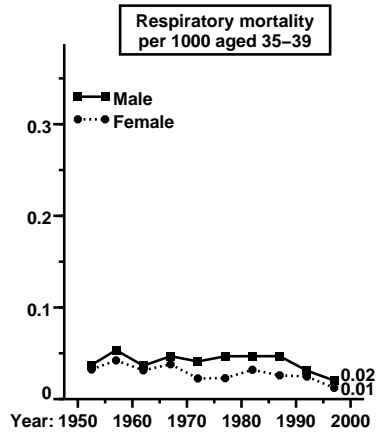
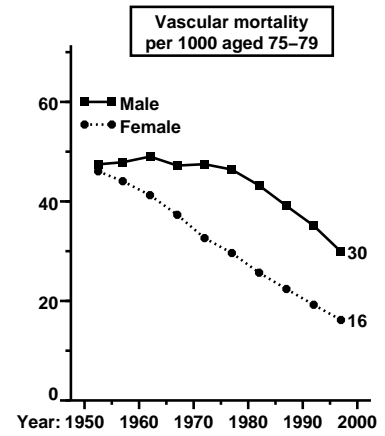
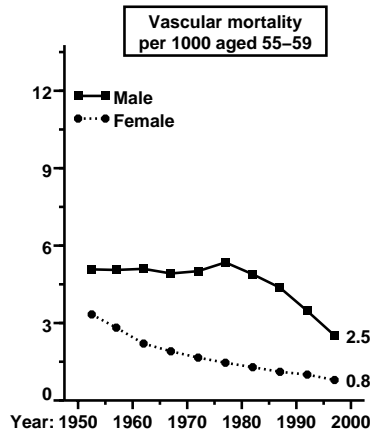
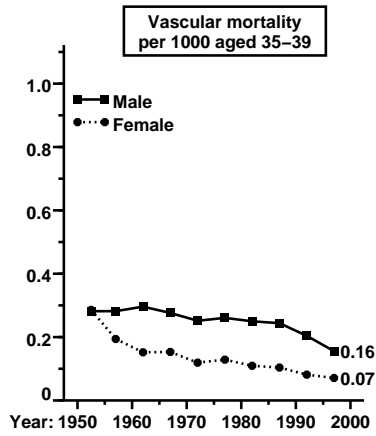
Mortality* trends at selected ages: 35-39, 55-59 & 75-79



* 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