

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

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# **LATVIA**

**Raw data** (pages 272–73, 274–75)

**Analyses** (pages 276–77, 278–79, 280–81)

**Appendix** (pages 282–83)

## 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>											
(1000s; UN, 2004 revision)			<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

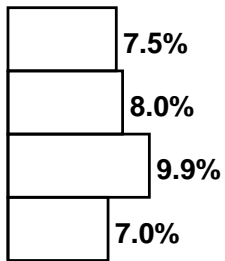
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/ 4	543/575	266/291	809/870	–/ 2	16/65	53/102	69/169
All Cancer	–/51	886/1773 (50%)	413/1177 (35%)	1299/3001	–/38	19/1175 ( 2%)	68/1355 ( 5%)	87/2568
Vascular	–/86	1242/3644	494/3980	1736/7710	–/18	38/1752	210/8386	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

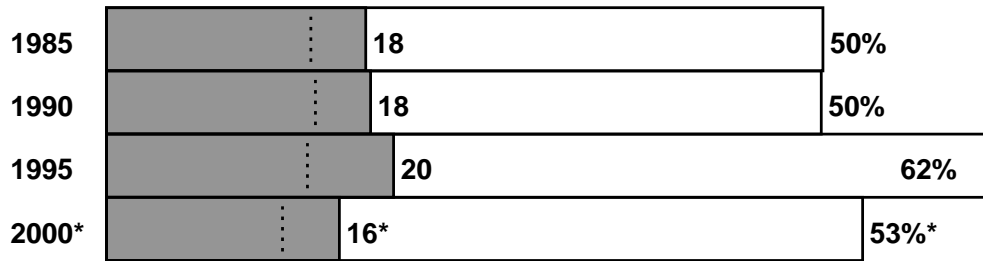
**Population risk of dying at ages 0–34**



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

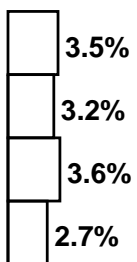
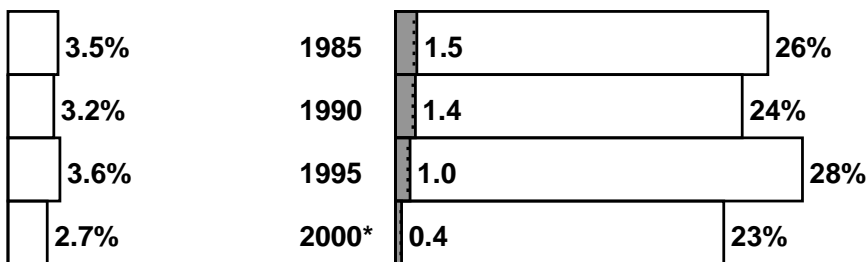
\*eg, at year 2000 male death rates, out of 100 men aged 35, 53 would die before age 70 (with 16 of these deaths attributed to smoking)

**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 <b>(38%)</b>	849/7239 <b>(12%)</b>	3584/15961	-/661	236/4417 <b>( 5%)</b>	79/13127 <b>(0.6%)</b>	315/18205
1990	-/1702	3180/8526 <b>(37%)</b>	997/6723 <b>(15%)</b>	4177/16951	-/656	274/4816 <b>( 6%)</b>	242/12389 <b>( 2%)</b>	516/17861
1995	-/1749	3874/12037 <b>(32%)</b>	1095/6557 <b>(17%)</b>	4969/20343	-/584	197/5616 <b>( 4%)</b>	216/12388 <b>( 2%)</b>	413/18588
2000	-/1088	2663/8848 <b>(30%)</b>	1066/6219 <b>(17%)</b>	3729/16155	-/373	76/4107 <b>( 2%)</b>	348/11570 <b>( 3%)</b>	424/16050

20-year total\* (thousands), mid-1980 to mid-2000: 93 / 731

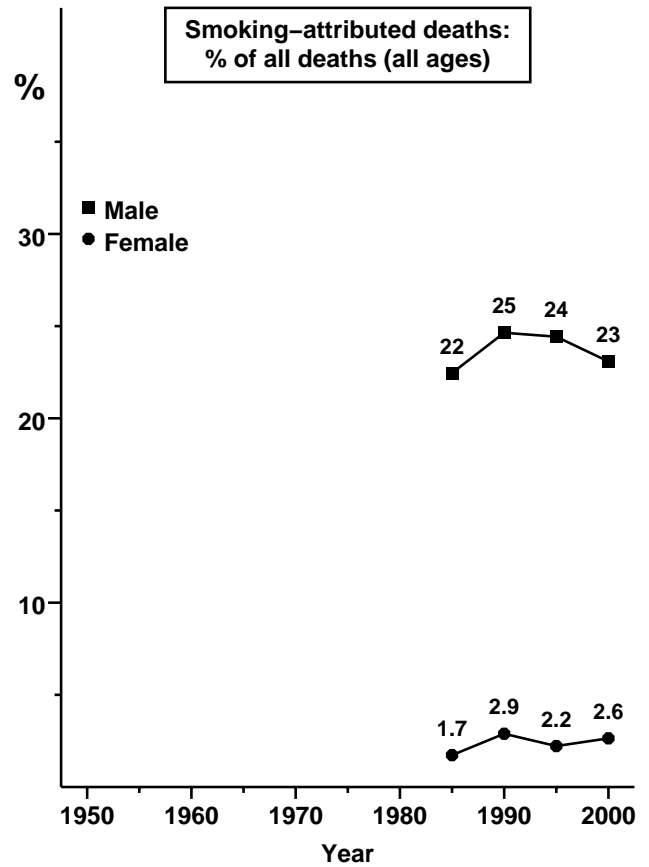
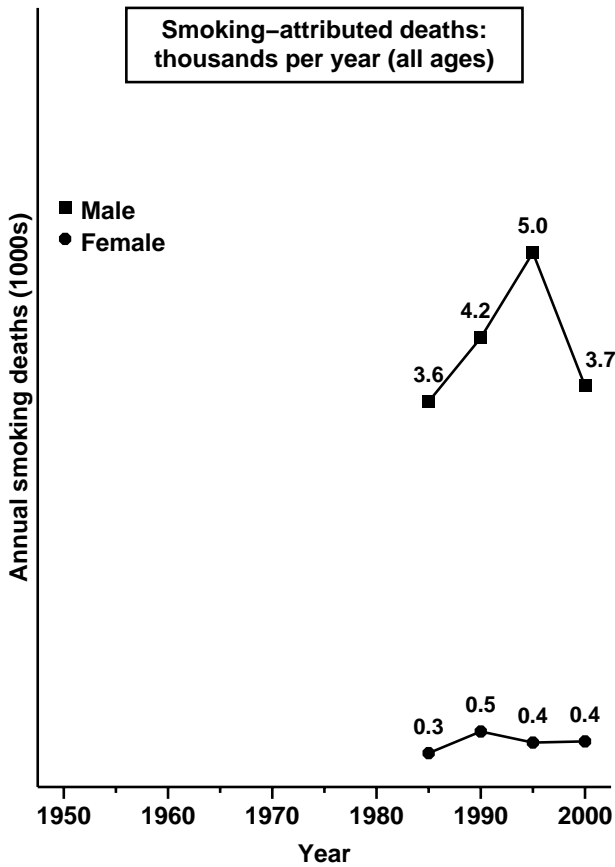
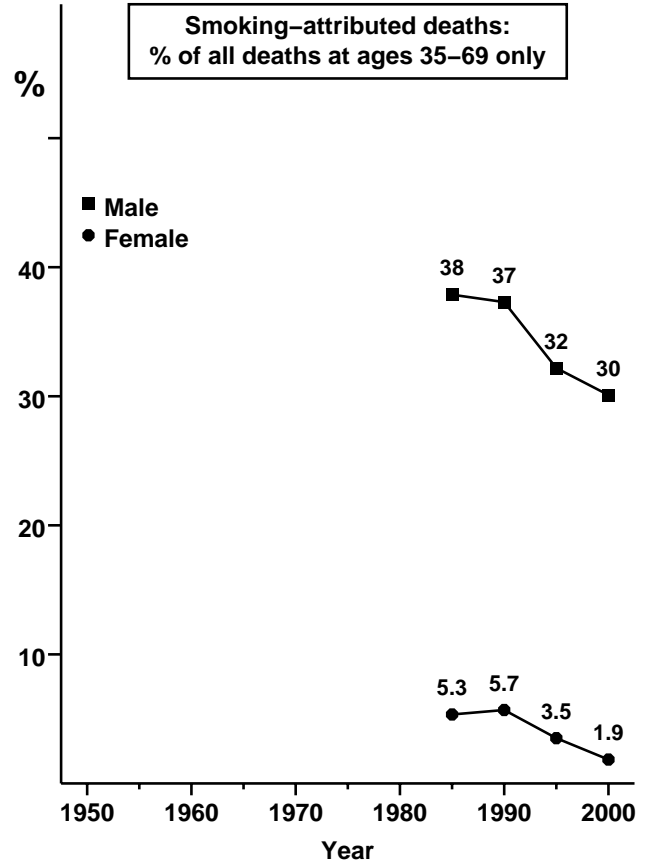
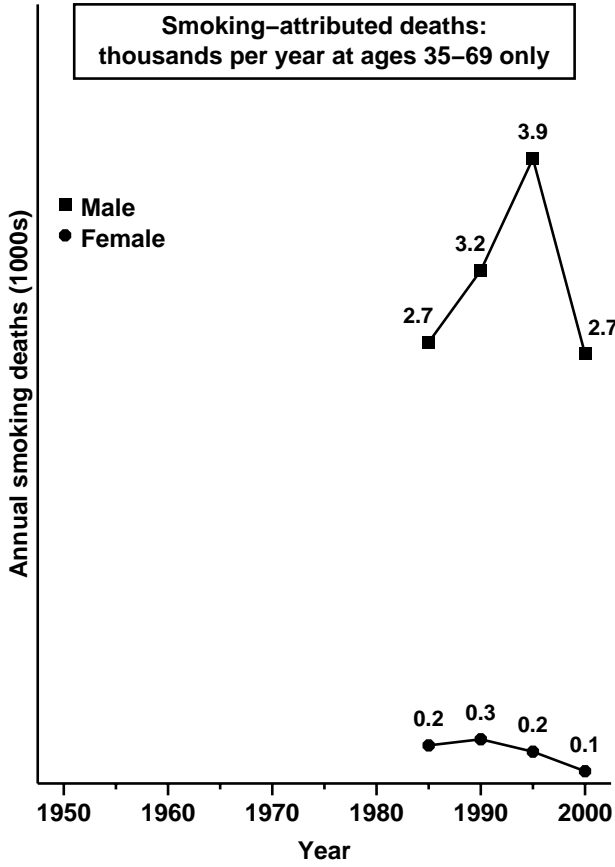
1980-2000 by age & sex:

-/32	66/193 <b>(34%)</b>	19/138 <b>(14%)</b>	86/363	-/12	4.3/100 <b>( 4%)</b>	3.0/255 <b>( 1%)</b>	7.3/368
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\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

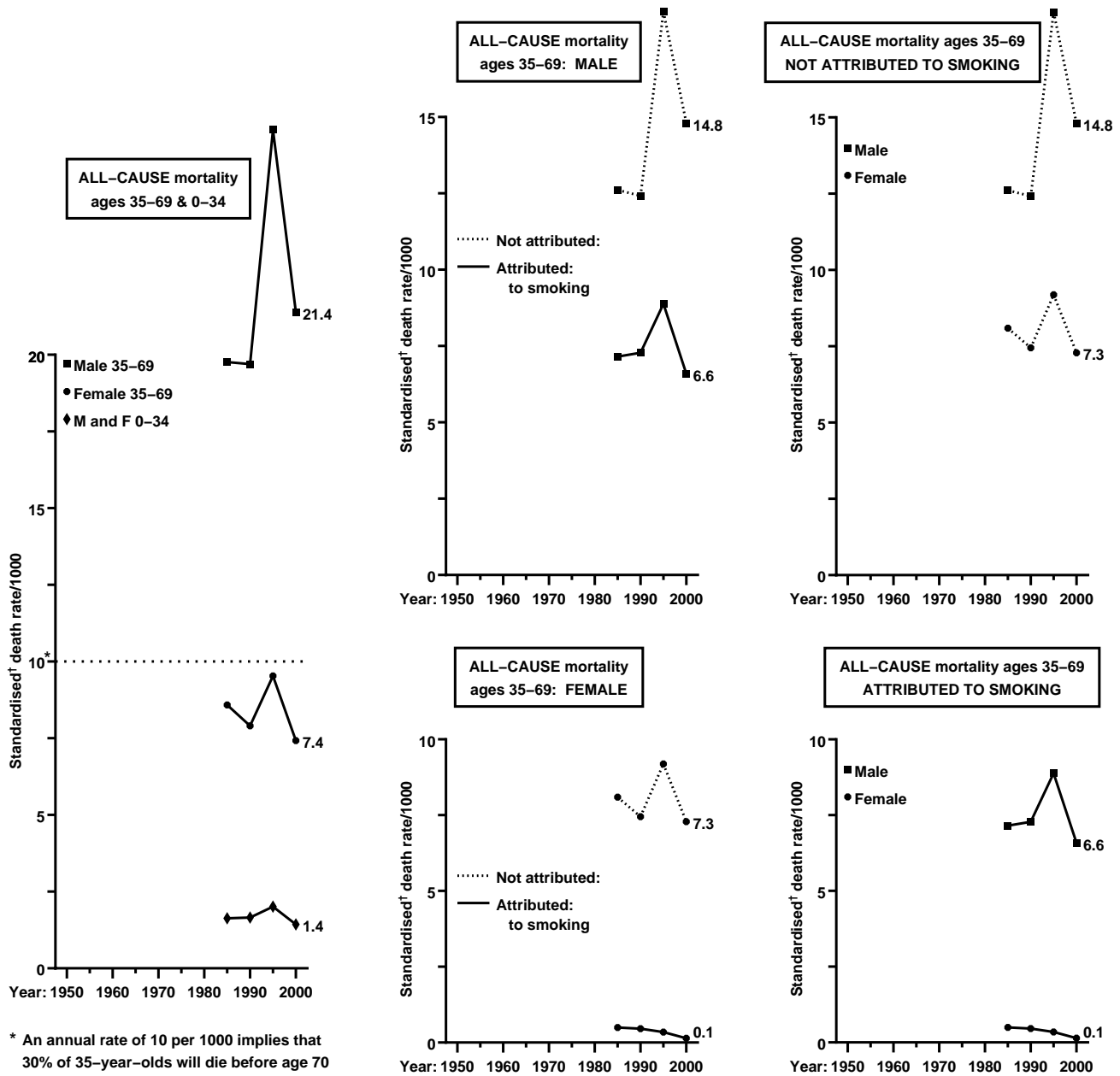


1985-2000: LATVIA



LATVIA: 1985-2000

ALL-CAUSE mortality rates attributed and not attributed to smoking



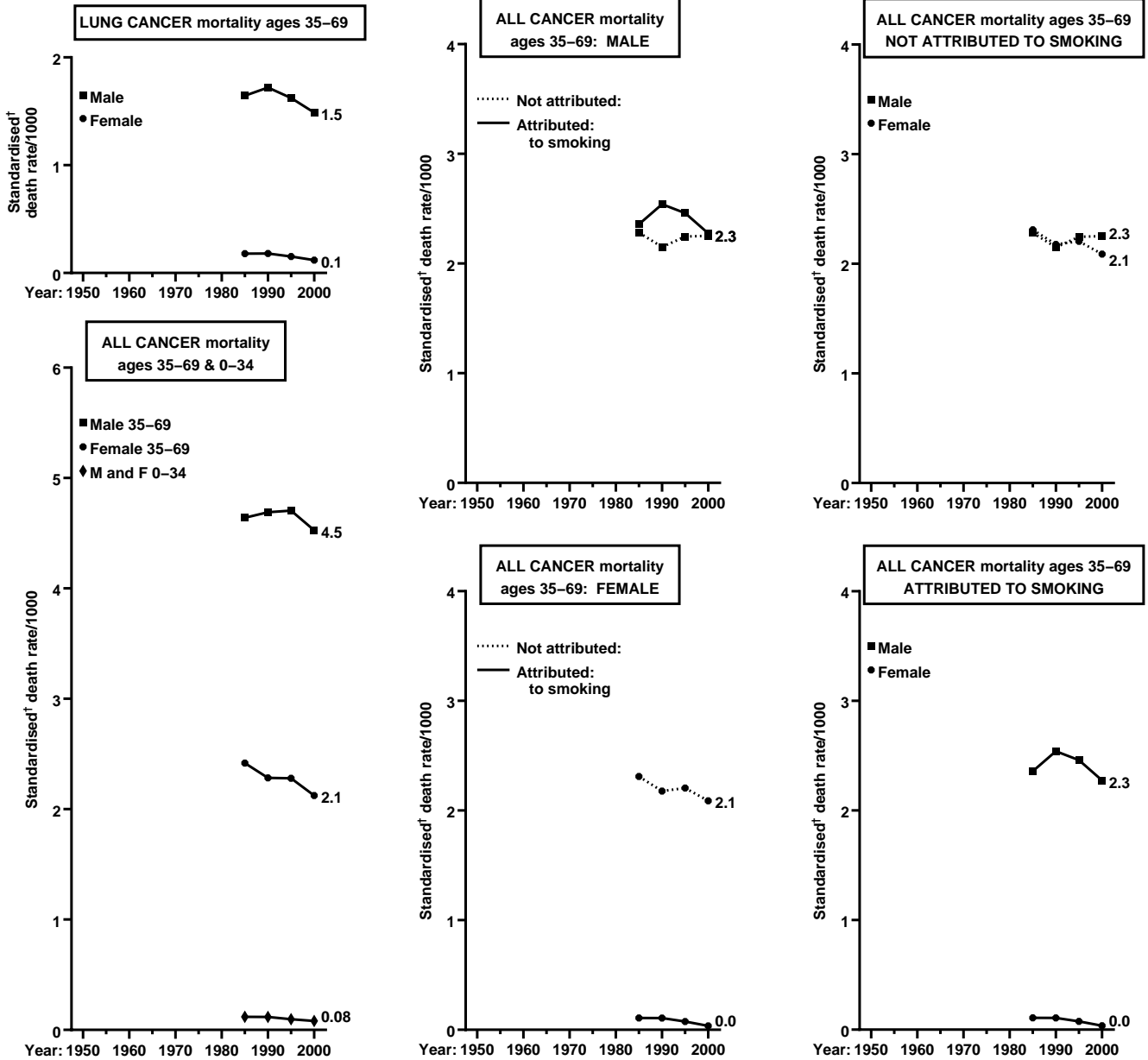
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

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	-	2.24	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



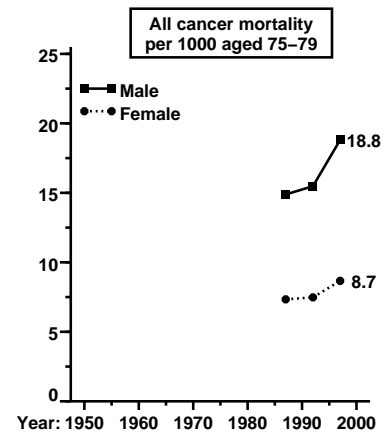
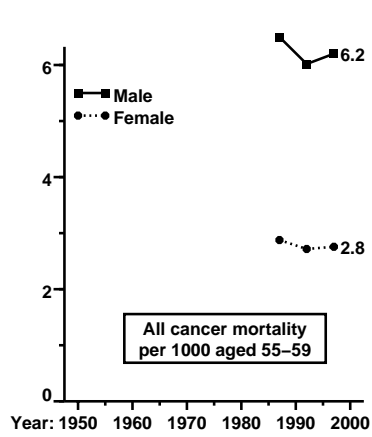
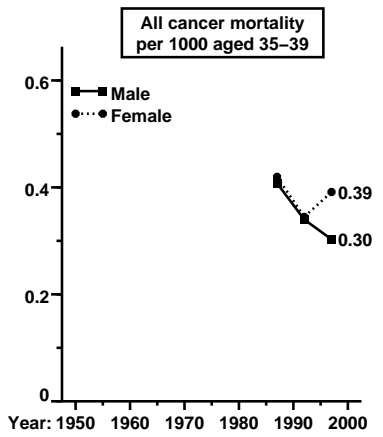
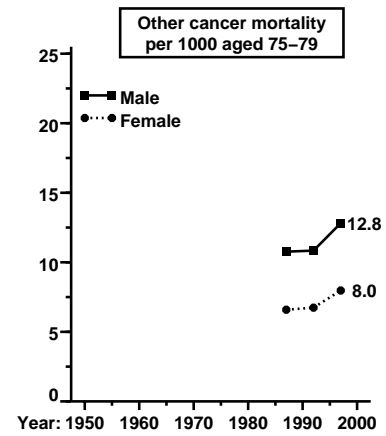
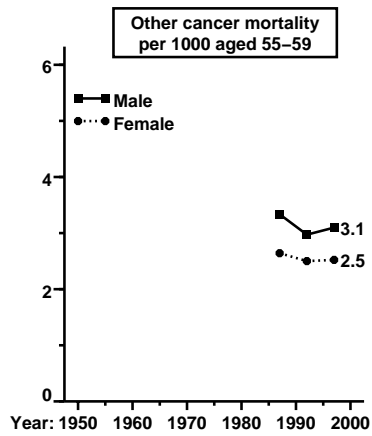
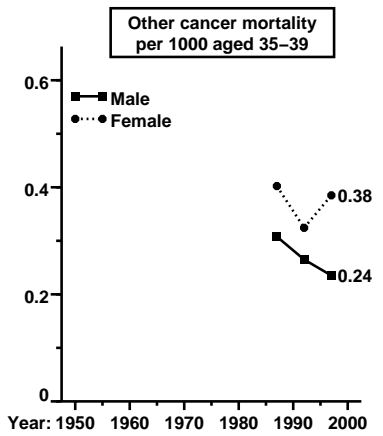
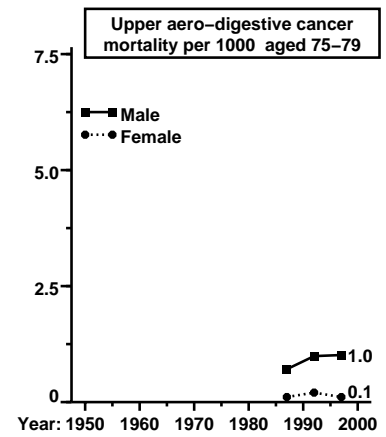
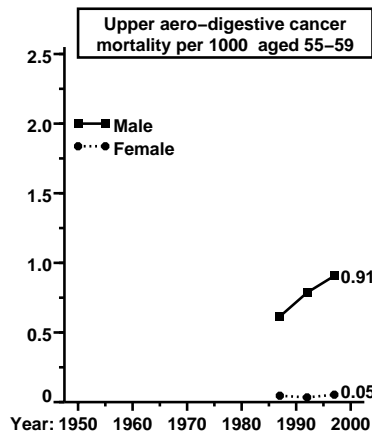
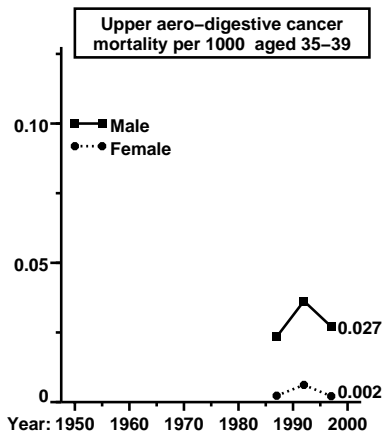
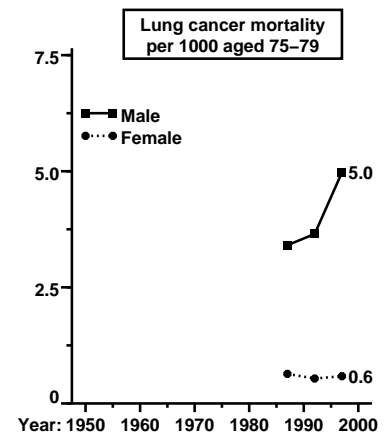
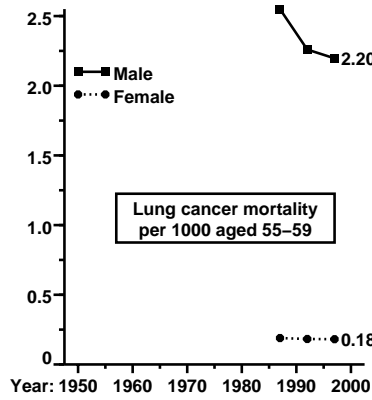
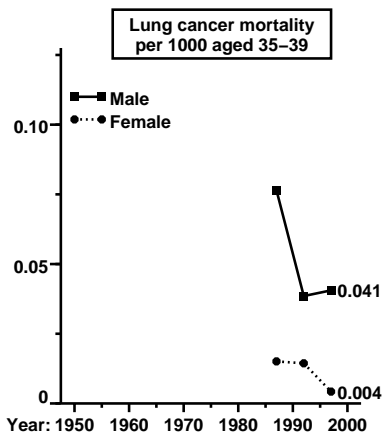
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)					
	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		...	...	...	...	...	...	...	...	...	...	...	...	
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**

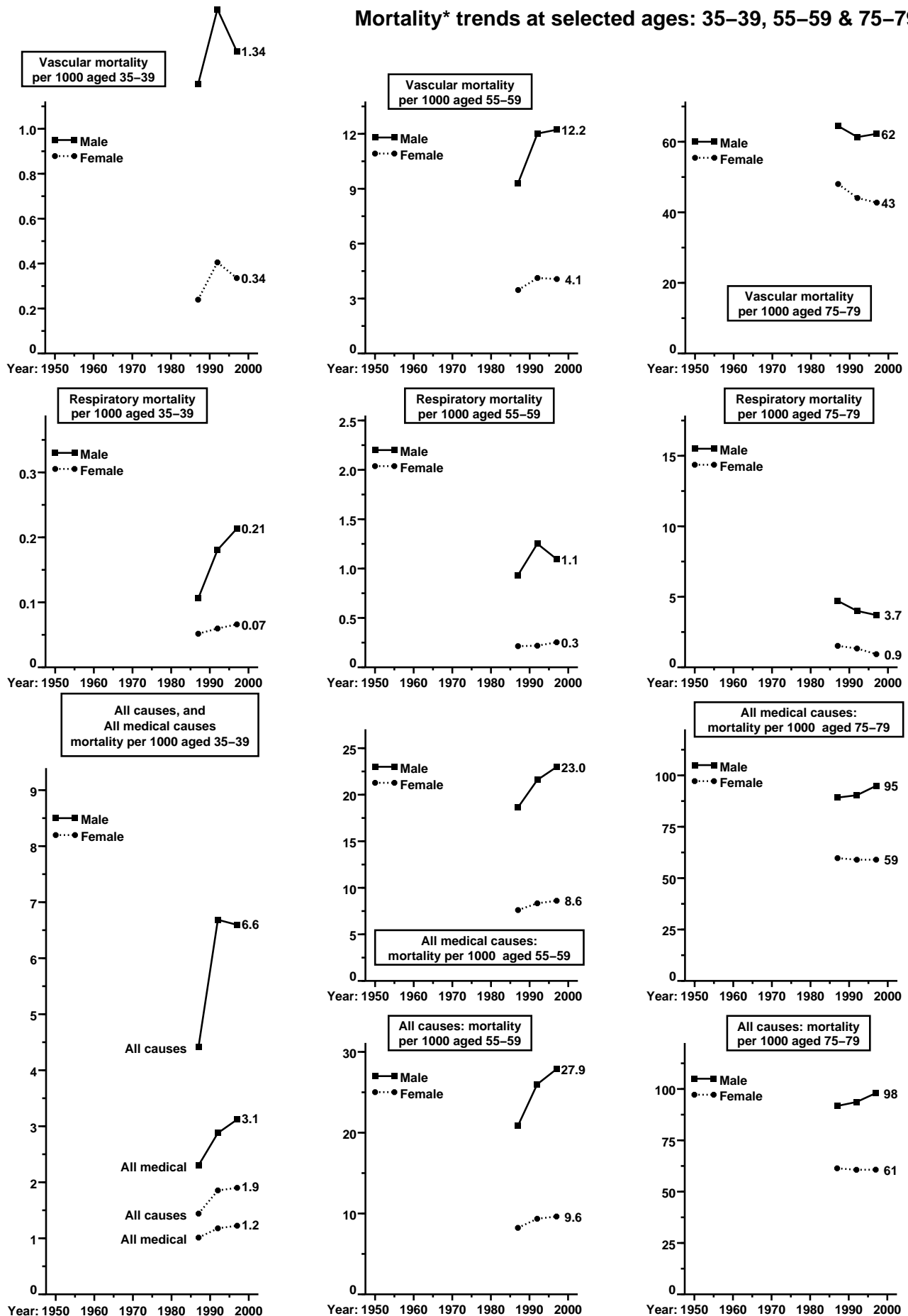
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* 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