

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

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**SLOVAKIA**

**Raw data** (pages 428–29, 430–31)

**Analyses** (pages 432–33, 434–35, 436–37)

**Appendix** (pages 438–39)

## SLOVAKIA: 2000

		No. of deaths (Source: WHO)			Standardised rates (defined overleaf)			Annual death rates / 100,000 (zero denoted by -)						
		All ages	0-34	35-69	All ages	0-34	35-69	0-4	5-9	10-14	15-19	20-24	25-29	30-34
ALL CAUSES	M	28157	1424	13004	1323.6	106.1	1611.1	228.0	20.7	29.9	57.9	109.2	125.8	171.1
	F	24567	576	5937	750.2	47.4	621.1	160.8	19.4	14.6	33.5	26.6	38.0	39.1
Tuberculosis	M	38	2	24	1.8	0.2	2.8	-	-	-	-	-	-	1.1
	F	16	1	3	0.5	0.1	0.4	-	-	-	-	-	-	0.6
HIV	M	2	1	1	0.1	0.1	0.1	-	-	-	-	-	0.5	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Other infective and parasitic	M	56	12	28	2.7	1.1	3.5	6.8	-	-	-	-	-	1.1
	F	56	12	12	2.0	1.1	1.3	5.7	0.6	0.5	0.5	-	0.5	-
ALL CANCER	M	6985	106	3932	326.4	7.5	505.2	5.4	1.1	4.3	4.4	7.4	12.4	17.2
	F	4886	83	2267	157.5	6.1	230.1	2.1	4.0	2.5	3.7	3.4	10.4	16.5
Mouth and pharynx cancer	M	511	1	426	22.6	0.1	45.9	-	-	-	-	0.4	-	-
	F	46	-	28	1.6	-	2.5	-	-	-	-	-	-	-
Oesophagus cancer	M	230	1	187	10.5	0.1	22.0	-	-	-	-	-	-	0.5
	F	23	-	13	0.8	-	1.2	-	-	-	-	-	-	-
Stomach cancer	M	517	9	252	24.1	0.6	32.8	-	-	-	-	0.4	1.8	2.2
	F	318	3	86	9.6	0.2	8.9	-	-	-	-	-	0.9	0.6
Colorectal cancer	M	1009	5	469	47.9	0.4	63.8	0.7	-	-	-	-	0.9	1.1
	F	713	4	264	22.2	0.3	27.7	-	-	-	-	0.4	0.9	0.6
Liver cancer	M	202	2	118	9.6	0.2	15.1	0.7	-	-	-	-	0.5	-
	F	145	-	58	4.6	-	6.3	-	-	-	-	-	-	-
Pancreas cancer	M	318	2	181	14.8	0.2	23.1	-	-	-	-	-	-	1.1
	F	258	-	111	8.2	-	11.7	-	-	-	-	-	-	-
Larynx cancer	M	190	-	155	8.7	-	18.4	-	-	-	-	-	-	-
	F	12	-	9	0.4	-	0.9	-	-	-	-	-	-	-
Lung cancer	M	1887	3	1173	88.7	0.2	157.8	-	-	-	-	-	0.9	0.5
	F	362	-	193	11.7	-	19.4	-	-	-	-	-	-	-
Malignant melanoma	M	83	2	46	3.8	0.1	5.4	-	-	-	-	-	0.5	0.5
	F	83	2	45	2.8	0.1	4.4	-	-	-	-	-	0.5	0.6
Female breast cancer	F	799	9	446	26.6	0.7	44.1	-	-	-	-	-	0.9	3.9
Cervix cancer	F	220	7	146	7.5	0.5	13.3	-	-	-	-	-	0.9	2.8
Other uterine cancer	F	250	3	105	7.9	0.2	11.2	-	-	-	-	0.4	-	1.1
Ovarian cancer	F	271	4	178	9.3	0.3	18.0	-	-	-	-	-	0.9	1.1
Prostate cancer	M	537	-	130	26.8	-	19.1	-	-	-	-	-	-	-
Bladder cancer	M	178	-	66	8.7	-	9.8	-	-	-	-	-	-	-
	F	57	-	17	1.7	-	1.8	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	931	48	528	42.3	3.4	65.7	2.7	0.5	2.4	3.1	3.7	4.6	6.5
	F	974	32	407	31.1	2.4	42.0	1.4	2.3	1.5	2.7	2.1	1.4	5.0
Hodgkin's disease	M	27	7	16	1.2	0.5	2.0	-	-	-	-	1.2	1.4	0.5
	F	27	3	13	0.9	0.2	1.5	-	-	-	-	-	1.4	-
Myeloma and non- Hodgkin lymphomas	M	180	6	93	8.3	0.4	11.8	-	-	0.5	-	0.4	0.9	1.1
	F	186	4	84	6.0	0.3	8.7	-	-	0.5	-	-	1.4	-
Leukaemia	M	185	20	92	8.4	1.4	12.4	1.4	0.5	1.4	1.3	1.2	0.9	3.2
	F	142	12	64	4.6	0.9	6.3	0.7	1.7	0.5	0.9	0.4	0.9	1.1
Diabetes	M	320	-	157	14.8	-	20.2	-	-	-	-	-	-	-
	F	438	1	115	13.1	0.1	12.8	-	-	-	-	-	0.5	-
ALL VASCULAR DISEASE	M	13558	84	5005	659.5	5.8	659.9	2.7	0.5	1.4	3.1	9.1	8.3	15.6
	F	15325	35	2309	450.4	2.7	255.5	4.2	1.1	0.5	0.9	2.6	3.3	6.1
Rheumatic heart disease and fever	M	41	1	23	1.9	0.1	3.1	-	-	-	-	-	0.5	-
	F	79	2	42	2.6	0.1	4.7	-	-	-	-	0.4	0.5	-
Hypertensive disease	M	1504	1	690	72.2	0.1	92.4	-	-	-	-	-	0.5	-
	F	1878	1	396	55.6	0.1	43.5	-	-	-	-	-	-	0.6
Ischaemic heart disease	M	7476	18	2672	365.5	1.3	356.3	-	-	-	-	1.2	2.3	5.4
	F	8212	3	1130	241.2	0.2	126.4	-	-	-	-	-	0.9	0.6
Pulmonary embolism and other venous	M	450	7	182	21.5	0.5	22.8	-	-	-	0.4	0.8	0.9	1.1
	F	528	6	117	15.7	0.5	12.3	0.7	-	-	-	-	0.9	1.7
Cerebrovascular disease	M	2140	13	700	103.5	0.9	93.7	-	0.5	1.0	0.4	1.7	1.4	1.1
	F	2537	4	336	73.3	0.3	37.4	-	-	-	-	0.4	0.5	1.1
Other vascular disease	M	1947	44	738	94.9	3.1	91.7	2.7	-	0.5	2.2	5.4	2.8	8.1
	F	2091	19	288	62.0	1.5	31.2	3.5	1.1	0.5	0.9	1.7	0.5	2.2
Chronic obstructive pulmonary disease	M	589	3	196	28.7	0.2	26.4	-	-	-	0.4	-	0.5	0.5
	F	288	-	55	8.6	-	5.9	-	-	-	-	-	-	-
Other respiratory disease	M	1049	74	319	51.2	6.3	39.8	31.1	1.1	1.4	1.3	3.7	2.3	3.2
	F	983	32	145	29.9	2.9	15.4	14.2	2.3	0.5	0.9	0.4	0.9	1.1
Peptic ulcer	M	167	1	95	7.9	0.1	11.5	-	-	-	0.4	-	-	-
	F	101	1	28	3.1	0.1	2.8	-	-	-	-	-	-	0.6
Liver cirrhosis	M	965	24	818	42.6	1.8	90.6	0.7	-	-	0.4	-	2.3	9.1
	F	296	4	233	10.7	0.3	22.3	-	-	-	-	0.4	0.9	0.6
Renal disease	M	320	2	166	15.2	0.2	20.7	-	-	-	-	-	-	1.1
	F	285	5	93	8.7	0.4	9.7	0.7	-	-	0.5	0.4	0.9	-
Pregnancy, birth Congenital and perinatal causes	F	1	1	-	0.0	0.1	-	-	-	-	0.5	-	-	-
	M	227	217	8	12.0	20.7	0.9	140.1	1.6	1.4	-	1.2	0.5	-
	F	168	163	4	9.2	16.1	0.4	106.2	2.3	0.5	1.8	0.4	-	1.7
Ill-defined causes	M	373	69	212	16.0	5.0	21.7	7.4	-	-	0.9	6.6	7.8	12.4
	F	219	27	52	7.0	2.2	5.2	7.1	1.1	0.5	1.4	1.7	3.3	-
Other medical causes	M	1057	120	577	47.6	9.0	65.5	18.3	3.3	4.8	7.0	5.8	7.8	16.1
	F	842	76	302	27.1	5.8	30.9	12.0	4.6	6.0	5.0	3.9	7.1	2.2
ALL NON- MEDICAL CAUSES	M	2451	709	1466	97.2	48.2	142.4	15.6	13.1	16.4	39.9	75.3	83.4	93.6
	F	663	135	319	22.5	9.6	28.5	8.5	3.4	3.5	18.3	13.3	10.0	9.9
Road traffic accidents	M	611	264	295	23.4	17.7	28.9	5.4	8.2	6.3	18.9	30.2	29.5	25.8
	F	160	61	60	5.4	4.2	5.4	2.1	1.1	2.0	9.6	7.3	4.3	2.8
Fire	M	30	5	17	1.3	0.4	1.5	0.7	1.1	-	0.4	-	0.5	-
	F	24	5	11	0.8	0.4	0.9	1.4	1.1	-	0.5	-	-	-
Suicide	M	594	152	376	23.3	10.0	35.1	-	-	1.4	6.6	21.1	20.7	20.4
	F	135	17	94	4.7	1.1	8.1	-	-	0.5	1.8	2.1	1.9	1.7
Homicide	M	90	35	52	3.4	2.4	4.8	-	0.5	0.5	1.3	2.1	5.5	7.0
	F	28	9	12	1.0	0.7	1.0	0.7	-	0.5	1.4	0.4	0.5	1.1
<b>POPULATION:</b> (1000s; UN, 2004 revision)			<b>M=male</b>		2625.4	1411.3	1063.9	147.8	183.5	207.6	227.8	241.7	217.0	185.9
			<b>F=female</b>		2775.0	1358.8	1154.4	141.2	175.0	199.1	218.2	233.0	210.7	181.6

## 2000: SLOVAKIA

Annual death rates / 100,000 (zero denoted by -)										9th ICD/10th ICD categories		
35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK			
237.7	421.3	735.1	1219.9	1755.1	2802.1	4106.4	6061.7	8745.4	15994.0	M	ALL CAUSES	001-999/A00-Y89
85.8	152.9	253.4	395.7	621.4	1062.2	1776.6	3114.2	5581.6	14836.1	F		
-	1.0	2.9	1.9	3.4	4.2	5.8	1.5	4.1	26.9	M	Tuberculosis	010-018, 137/ A15-A19, B90
-	-	-	-	-	1.6	0.8	2.8	5.7	6.1	F		
-	-	0.5	-	-	-	-	-	-	-	M	HIV	279.5, 279.6/B20-B24
-	-	-	-	-	-	-	-	-	-	F		
0.5	1.0	1.0	1.9	4.3	12.6	3.5	11.7	8.2	12.0	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
-	0.5	-	0.6	2.2	2.5	3.4	7.4	6.8	27.3	F		
24.9	81.6	192.0	389.1	575.3	923.6	1349.7	1660.8	2041.1	2461.1	M	ALL CANCER	140-208/C00-C97
32.6	70.6	131.7	179.6	255.1	385.4	555.6	723.3	932.0	1418.8	F		
2.0	19.8	43.6	69.1	48.8	77.5	60.8	57.3	53.4	56.9	M	Mouth and pharynx cancer	140-149/C00-C14
0.5	1.9	2.9	4.7	2.2	3.3	1.7	2.8	7.9	12.1	F		
1.5	3.9	13.7	27.9	29.1	31.4	46.8	26.4	28.7	29.9	M	Oesophagus cancer	150/C15
0.5	1.0	1.0	-	4.4	0.8	0.8	2.8	3.4	6.1	F		
2.5	4.8	8.8	26.0	36.0	66.0	85.4	149.8	188.9	185.6	M	Stomach cancer	151/C16
0.5	2.4	4.8	5.9	8.0	14.7	26.1	56.6	81.6	145.7	F		
2.5	7.2	14.7	34.2	69.3	116.2	202.3	286.3	371.7	476.0	M	Colorectal cancer	153, 154/C18-C21
1.0	5.8	14.4	16.5	24.7	58.9	72.5	104.9	163.3	285.3	F		
0.5	1.9	6.4	12.0	18.0	28.3	38.6	39.6	53.4	86.8	M	Liver cancer	155.0, 155.1/C22
0.5	0.5	1.4	3.5	6.5	14.7	16.9	26.0	34.0	44.0	F		
0.5	2.4	9.3	20.9	28.3	40.8	59.6	73.4	106.8	98.8	M	Pancreas cancer	157/C25
-	2.4	4.3	7.7	16.0	20.5	31.2	46.4	53.3	75.9	F		
1.0	4.3	10.8	20.3	25.7	31.4	35.1	22.0	28.7	18.0	M	Larynx cancer	161/C32
-	0.5	-	1.2	1.5	3.3	-	0.9	1.1	1.5	F		
3.6	14.0	38.7	100.8	186.6	304.7	456.1	491.9	474.3	434.1	M	Lung cancer	162/C33, C34
1.6	8.3	15.4	10.6	17.4	33.6	48.9	44.6	68.0	92.6	F		
1.0	1.4	3.4	5.1	7.7	7.3	11.7	25.0	16.4	29.9	M	Malignant melanoma	172/C43
1.0	1.9	3.8	4.1	2.9	8.2	8.4	4.6	10.2	33.4	F		
6.2	15.6	29.3	44.3	55.2	60.6	97.8	99.4	122.4	195.8	F	Female breast cancer	174/C50
5.7	7.3	17.8	12.4	8.7	23.7	17.7	29.7	19.3	27.3	F	Cervix cancer	180/C53
1.0	1.9	3.8	5.9	11.6	18.8	35.4	50.1	55.6	59.2	F	Other uterine cancer	179, 182/C54, C55
2.6	5.4	8.7	17.7	21.1	28.6	42.2	28.8	32.9	44.0	F	Ovarian cancer	183.0/C56
0.5	-	2.4	4.4	18.8	28.3	79.5	126.3	271.0	565.9	M	Prostate cancer	185/C61
-	-	0.5	3.2	9.4	16.8	38.6	44.1	82.1	125.7	M	Bladder cancer	188/C67
-	-	1.0	1.2	1.5	-	9.3	11.1	15.9	21.2	F		
6.6	15.0	29.4	53.2	76.2	119.4	160.2	224.7	262.8	221.6	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
7.8	10.7	14.9	33.7	53.8	65.5	107.9	153.2	200.7	292.9	F	Hodgkin's disease	201/C81
-	-	1.5	1.9	0.9	6.3	3.5	4.4	-	3.0	M		
-	-	-	-	1.5	2.5	6.7	4.6	2.3	6.1	F		
1.0	3.9	3.9	7.6	12.0	24.1	30.4	51.4	49.3	65.9	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.6	1.9	3.4	6.5	10.2	16.4	21.1	33.4	35.1	47.0	F	Leukaemia	204-208/C91-C95
1.5	2.9	4.9	2.5	8.6	25.1	40.9	38.2	53.4	62.9	M		
2.1	2.9	4.8	3.5	8.0	11.5	11.0	23.2	24.9	28.8	F		
2.5	3.9	7.8	13.9	17.1	39.8	56.1	101.3	121.1	104.8	M	Diabetes	250/E10-E14
0.5	1.0	2.9	3.5	10.2	31.9	39.6	89.1	123.6	177.5	F		
40.1	93.1	220.4	417.6	680.7	1206.3	1961.4	3368.6	5219.7	10877.2	M	ALL VASCULAR DISEASE	390-459/I00-I99
9.8	29.7	46.2	109.3	221.7	449.3	922.4	1906.2	3857.1	11420.3	F		
-	1.0	-	1.9	4.3	8.4	5.8	11.7	16.4	3.0	M	Rheumatic heart disease and fever	390-398/I00-I09
-	0.5	1.0	1.2	5.8	10.6	13.5	13.0	14.7	12.1	F		
4.1	9.2	27.9	52.0	102.7	184.3	266.7	364.2	566.7	865.3	M	Hypertensive disease	401-405/I10-I15
1.0	5.4	8.2	22.4	42.9	67.9	156.8	264.6	520.4	1118.4	F		
13.2	46.8	106.8	226.2	362.2	644.0	1094.7	1909.0	2872.7	6248.5	M	Ischaemic heart disease	410-414/I20-I25
2.6	10.2	19.2	49.0	102.5	234.0	467.1	1006.5	1964.9	6467.4	F		
4.6	6.3	8.3	17.1	24.8	30.4	67.8	95.4	174.5	332.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82
2.1	3.4	4.3	7.1	10.2	18.0	41.3	68.7	141.7	312.6	F		
6.1	13.5	32.8	48.2	77.9	175.9	301.8	599.1	928.1	1697.6	M	Cerebrovascular disease	430-438/I60-I69
0.5	4.4	7.2	12.4	32.7	69.6	134.9	347.3	752.8	1758.7	F		
12.2	16.4	44.6	72.2	108.7	163.4	224.6	389.1	661.2	1730.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
3.6	5.8	6.3	17.1	27.6	49.1	108.8	206.1	462.6	1751.1	F		
1.5	2.4	7.8	13.3	30.8	48.2	80.7	133.6	281.3	485.0	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
2.1	0.5	0.5	4.1	5.1	9.0	20.2	36.2	62.4	210.9	F		
7.6	8.2	22.5	25.3	34.2	62.8	118.1	202.6	402.5	964.1	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.1	2.4	4.8	9.5	16.0	31.1	42.2	86.4	207.5	804.2	F		
1.0	2.4	6.4	12.0	12.0	22.0	24.6	38.2	37.0	80.8	M	Peptic ulcer	531-533/K25-K27
0.5	-	2.4	4.1	2.2	2.5	7.6	17.6	23.8	48.6	F		
23.9	44.9	60.2	97.0	119.9	157.1	131.0	104.3	67.8	56.9	M	Liver cirrhosis	571/K70, K74
5.7	11.7	16.8	23.0	29.8	41.7	27.0	25.1	20.4	21.2	F		
2.0	4.3	6.9	19.0	28.3	36.6	48.0	58.7	110.9	173.7	M	Renal disease	580-590/N00-N19
1.0	1.9	4.3	7.1	9.4	13.9	30.4	44.6	72.6	113.8	F		
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
-	-	-	0.6	1.5	-	0.8	-	1.1	-	M	Ill-defined causes	780-799/R00-R99
16.3	11.6	20.6	21.5	24.8	20.9	36.3	45.5	47.2	113.8	M		
2.1	1.5	2.4	5.9	4.4	5.7	14.3	24.1	42.0	116.8	F		
20.8	33.8	37.2	62.1	61.6	124.6	118.1	160.1	250.5	386.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
7.2	8.8	14.4	23.0	31.3	56.5	75.0	102.1	159.9	323.2	F		
96.0	132.7	148.9	143.2	162.7	141.4	171.9	171.8	154.0	251.5	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
22.2	24.4	26.9	25.4	32.7	31.1	37.1	49.2	66.9	147.2	F		
23.4	28.0	27.9	21.5	31.7	35.6	33.9	32.3	24.6	53.9	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
4.7	3.9	5.3	4.7	5.1	5.7	8.4	8.4	14.7	25.8	F		
2.0	1.4	1.5	1.9	1.7	1.0	1.2	2.9	4.1	12.0	M	Fire	E890-E899/X00-X09
1.6	1.5	1.0	-	-	-	2.5	4.6	-	4.6	F		
21.3	38.6	38.7	46.3	42.0	26.2	32.7	45.5	41.1	44.9	M	Suicide	E950-E959/X60-X84
7.2	8.3	8.2	9.5	9.4	7.4	6.7	8.4	7.9	12.1	F		
4.1	4.8	6.4	4.4	5.1	5.2	3.5	2.9	-	3.0	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.0	0.5	1.4	2.4	-	0.8	0.8	1.9	2.3	4.6	F		
196.9	207.2	204.2	157.8	116.8	95.5	85.5	68.1	48.7	33.4	M	POPULATION	
193.4	205.3	208.0	169.3	137.6	122.2	118.6	107.7	88.2	65.9	F	(1000s; UN, 2004 revision)	

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

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1578	118	2	4	112	4	100	102	19	478	757
35-69	Sm.	5132	2243	1251	555	437	105	206	2133	-	445	-
	Total	13226 (39%)	3956 (57%)	1315 (95%)	736 (75%)	1905 (23%)	124 (85%)	516 (40%)	5469 (39%)	633	1064 (42%)	1464
70+	Sm.	2242	886	566	105	215	118	111	1022	-	105	-
	Total	13321 (17%)	2525 (35%)	622 (91%)	177 (59%)	1726 (12%)	168 (70%)	977 (11%)	8309 (12%)	126	820 (13%)	396
Any age	Sm.	7374	3129	1817	660	652	223	317	3155	-	550	-
	Total	28125 (26%)	6599 (47%)	1939 (94%)	917 (72%)	3743 (17%)	296 (75%)	1593 (20%)	13880 (23%)	778	2362 (23%)	2617
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1424	106	3	2	101	3	74	84	24	424	709
35-69	Sm.	4600	2057	1108	546	403	161	116	1788	-	478	-
	Total	13004 (35%)	3932 (52%)	1173 (94%)	768 (71%)	1991 (20%)	196 (82%)	319 (36%)	5005 (36%)	818	1268 (38%)	1466
70+	Sm.	2562	1017	648	98	271	284	79	1067	-	115	-
	Total	13729 (19%)	2947 (35%)	711 (91%)	161 (61%)	2075 (13%)	390 (73%)	656 (12%)	8469 (13%)	123	868 (13%)	276
Any age	Sm.	7162	3074	1756	644	674	445	195	2855	-	593	-
	Total	28157 (25%)	6985 (44%)	1887 (93%)	931 (69%)	4167 (16%)	589 (76%)	1049 (19%)	13558 (21%)	965	2560 (23%)	2451

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

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

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2612.4	1464.8	1008.6	210.7	210.3	165.4	125.8	107.0	101.4	88.0	71.1	29.9	38.0
2000	2625.4	1411.3	1063.9	196.9	207.2	204.2	157.8	116.8	95.5	85.5	68.1	48.7	33.4
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	28125	1578	13226	578	1019	1254	1589	2043	3019	3724	4451	2659	6211
2000	28157	1424	13004	468	873	1501	1925	2050	2676	3511	4128	4259	5342
<b>Lung cancer</b>													
1995	1939	2	1315	14	39	85	148	259	381	389	350	126	146
2000	1887	3	1173	7	29	79	159	218	291	390	335	231	145
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	1377.5*	112.6*	1699.8*	274.3	484.5	758.2	1263.1	1909.3	2977.3	4231.8	6260.2	8893.0	16344.7
2000	1323.6*	106.1*	1611.1*	237.7	421.3	735.1	1219.9	1755.1	2802.1	4106.4	6061.7	8745.4	15994.0
<b>All cancer</b>													
1995	324.3*	8.2*	521.5*	37.0	106.0	215.8	392.7	629.0	995.1	1275.0	1575.2	1856.2	2236.8
2000	326.4*	7.5*	505.2*	24.9	81.6	192.0	389.1	575.3	923.6	1349.7	1660.8	2041.1	2461.1
<b>Lung cancer</b>													
1995	95.5*	0.1*	179.2*	6.6	18.5	51.4	117.6	242.1	375.7	442.0	492.3	421.4	384.2
2000	88.7*	0.2*	157.8*	3.6	14.0	38.7	100.8	186.6	304.7	456.1	491.9	474.3	434.1
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	44.3*	0.3*	87.8*	7.6	37.6	71.9	108.9	120.6	150.9	117.0	128.0	117.1	134.2
2000	41.7*	0.1*	86.4*	4.6	28.0	68.1	117.2	103.6	140.3	142.7	105.7	110.9	104.8
<b>Other cancer</b>													
1995	184.5*	7.7*	254.6*	22.8	49.9	92.5	166.1	266.4	468.4	715.9	955.0	1317.7	1718.4
2000	196.0*	7.1*	261.0*	16.8	39.6	85.2	171.1	285.1	478.5	750.9	1063.1	1455.9	1922.2
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	14.9*	0.3*	17.2*	0.9	2.9	3.6	4.8	16.8	39.4	52.3	66.1	117.1	226.3
2000	28.7*	0.2*	26.4*	1.5	2.4	7.8	13.3	30.8	48.2	80.7	133.6	281.3	485.0
<b>Other respiratory disease</b>													
1995	79.8*	7.2*	67.3*	10.0	17.6	27.8	41.3	74.8	122.3	177.3	329.1	605.4	1478.9
2000	51.2*	6.3*	39.8*	7.6	8.2	22.5	25.3	34.2	62.8	118.1	202.6	402.5	964.1
<b>Vascular disease</b>													
1995	699.9*	7.3*	740.7*	54.6	135.0	219.5	461.8	787.9	1344.2	2181.8	3603.4	5374.6	10894.7
2000	659.5*	5.8*	659.9*	40.1	93.1	220.4	417.6	680.7	1206.3	1961.4	3368.6	5219.7	10877.2
<b>Liver cirrhosis</b>													
1995	36.9*	1.4*	72.7*	23.7	31.4	67.1	85.9	98.1	111.4	90.9	88.6	127.1	65.8
2000	42.6*	1.8*	90.6*	23.9	44.9	60.2	97.0	119.9	157.1	131.0	104.3	67.8	56.9
<b>Other medical causes</b>													
1995	111.8*	36.1*	129.5*	36.1	52.3	78.6	110.5	146.7	204.1	278.4	406.5	568.6	950.0
2000	118.0*	36.3*	146.8*	43.7	58.4	83.3	134.3	151.5	262.8	293.6	420.0	579.1	898.2
<b>All non-medical causes</b>													
1995	110.0*	52.2*	150.9*	112.0	139.3	145.7	166.1	156.1	160.7	176.1	191.3	244.1	492.1
2000	97.2*	48.2*	142.4*	96.0	132.7	148.9	143.2	162.7	141.4	171.9	171.8	154.0	251.5

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

## 1995, 2000: SLOVAKIA

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

		ALL CAUSES	ALL CANCER	Lung cancer	Upper aero-digestive ca. (see below)	Other cancer	COPD	Other respiratory	Vascular disease	Liver cirrhosis	Other medical	Non-medical
<b>1995</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	754	100	1	1	98	5	82	36	5	338	188
35-69	Sm.	248	75	57	7	11	12	13	117	-	31	-
	Total	6575	2149	141	53	1955	42	264	2913	182	696	329
		(4%)	(3%)	(40%)	(13%)	(1%)	(29%)	(5%)	(4%)		(4%)	
70+	Sm.	464	97	71	11	15	47	27	267	-	26	-
	Total	17229	2099	146	53	1900	128	1232	12091	47	1121	511
		(3%)	(5%)	(49%)	(21%)	(1%)	(37%)	(2%)	(2%)		(2%)	
Any age	Sm.	712	172	128	18	26	59	40	384	-	57	-
	Total	24558	4348	288	107	3953	175	1578	15040	234	2155	1028
		(3%)	(4%)	(44%)	(17%)	(1%)	(34%)	(3%)	(3%)		(3%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	576	83	0	0	83	0	32	35	4	287	135
35-69	Sm.	380	134	103	11	20	21	10	170	-	45	-
	Total	5937	2267	193	50	2024	55	145	2309	233	609	319
		(6%)	(6%)	(53%)	(22%)	(1%)	(38%)	(7%)	(7%)		(7%)	
70+	Sm.	468	100	78	5	17	77	15	251	-	25	-
	Total	18054	2536	169	31	2336	233	806	12981	59	1230	209
		(3%)	(4%)	(46%)	(16%)	(1%)	(33%)	(2%)	(2%)		(2%)	
Any age	Sm.	848	234	181	16	37	98	25	421	-	70	-
	Total	24567	4886	362	81	4443	288	983	15325	296	2126	663
		(3%)	(5%)	(50%)	(20%)	(1%)	(34%)	(3%)	(3%)		(3%)	

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

## Female death rates used for calculations

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ NK
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	2751.4	1411.1	1105.0	206.3	209.8	171.8	141.1	127.3	127.2	121.5	109.2	49.3	76.8
2000	2775.0	1358.8	1154.4	193.4	205.3	208.0	169.3	137.6	122.2	118.6	107.7	88.2	65.9
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	24558	754	6575	202	337	443	672	896	1552	2473	3762	2794	10673
2000	24567	576	5937	166	314	527	670	855	1298	2107	3354	4923	9777
<b>Lung cancer</b>													
1995	288	1	141	3	10	20	22	15	34	37	53	35	58
2000	362	-	193	3	17	32	18	24	41	58	48	60	61
<b>ANNUAL DEATH RATE / 100,000</b> (*The rates for the age groups 0-34 and 35-69 are the means of seven five-yearly rates, but the all-ages rates are standardised to the conventional "European" age distribution)													
<b>All causes</b>													
1995	778.8*	57.2*	707.4*	97.9	160.6	257.9	476.3	703.8	1220.1	2035.4	3445.1	5667.3	13897.1
2000	750.2*	47.4*	621.1*	85.8	152.9	253.4	395.7	621.4	1062.2	1776.6	3114.2	5581.6	14836.1
<b>All cancer</b>													
1995	150.3*	7.3*	226.1*	35.9	69.6	115.8	200.6	267.1	370.3	523.5	666.7	839.8	1246.1
2000	157.5*	6.1*	230.1*	32.6	70.6	131.7	179.6	255.1	385.4	555.6	723.3	932.0	1418.8
<b>Lung cancer</b>													
1995	10.0*	0.1*	14.6*	1.5	4.8	11.6	15.6	11.8	26.7	30.5	48.5	71.0	75.5
2000	11.7*	-	19.4*	1.6	8.3	15.4	10.6	17.4	33.6	48.9	44.6	68.0	92.6
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	3.7*	0.1*	5.3*	1.9	1.9	4.7	6.4	4.7	6.3	11.5	7.3	24.3	43.0
2000	2.8*	-	4.6*	1.0	3.4	3.8	5.9	8.0	7.4	2.5	6.5	12.5	19.7
<b>Other cancer</b>													
1995	136.6*	7.1*	206.1*	32.5	62.9	99.5	178.6	250.6	337.3	481.5	610.8	744.4	1127.6
2000	143.0*	6.1*	206.1*	30.0	58.9	112.5	163.0	229.7	344.5	504.2	672.2	851.5	1306.5
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	5.5*	0.4*	4.4*	1.5	1.4	0.6	1.4	6.3	14.9	4.9	15.6	46.7	114.6
2000	8.6*	-	5.9*	2.1	0.5	0.5	4.1	5.1	9.0	20.2	36.2	62.4	210.9
<b>Other respiratory disease</b>													
1995	48.5*	6.3*	28.2*	5.3	9.1	8.1	15.6	24.4	51.9	83.1	198.7	377.3	1079.4
2000	29.9*	2.9*	15.4*	2.1	2.4	4.8	9.5	16.0	31.1	42.2	86.4	207.5	804.2
<b>Vascular disease</b>													
1995	457.3*	2.6*	325.0*	15.0	28.6	62.3	152.4	278.9	586.5	1151.4	2163.9	3845.8	10197.9
2000	450.4*	2.7*	255.5*	9.8	29.7	46.2	109.3	221.7	449.3	922.4	1906.2	3857.1	11420.3
<b>Liver cirrhosis</b>													
1995	9.0*	0.4*	18.3*	5.8	7.1	15.7	22.7	25.1	29.1	22.2	22.9	18.3	16.9
2000	10.7*	0.3*	22.3*	5.7	11.7	16.8	23.0	29.8	41.7	27.0	25.1	20.4	21.2
<b>Other medical causes</b>													
1995	74.2*	26.9*	74.0*	15.0	18.6	30.3	55.3	69.1	128.1	201.6	290.3	395.5	793.0
2000	70.6*	25.9*	63.4*	11.4	13.6	26.4	44.9	61.0	114.6	172.0	287.8	435.4	813.4
<b>All non-medical causes</b>													
1995	33.9*	13.4*	31.4*	19.4	26.2	25.0	28.3	33.0	39.3	48.6	87.0	144.0	449.2
2000	22.5*	9.6*	28.5*	22.2	24.4	26.9	25.4	32.7	31.1	37.1	49.2	66.9	147.2

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

## SLOVAKIA: 2000

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

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 1.4	– / 0.6	–
35–69	4.6 / 13	0.4 / 5.9	20 years
70+	2.6 / 14	0.5 / 18	8 years
All ages	7.2 / 28	0.8 / 25	16 years

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

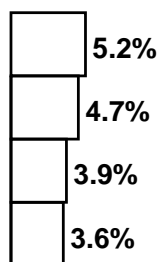
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.1/1.2	0.6/0.7	1.8/1.9	–/0.0	0.1/0.2	0.1/0.2	0.2/0.4
All Cancer	–/0.1	2.1/3.9 (52%)	1.0/2.9 (35%)	3.1/7.0	–/0.1	0.1/2.3 (6%)	0.1/2.5 (4%)	0.2/4.9
Vascular	–/0.1	1.8/5.0	1.1/8.5	2.9/14	–/0.0	0.2/2.3	0.3/13	0.4/15
Respiratory	–/0.1	0.3/0.5	0.4/1.0	0.6/1.6	–/0.0	0.0/0.2	0.1/1.0	0.1/1.3
All Other	–/1.2	0.5/3.6	0.1/1.3	0.6/6.0	–/0.4	0.0/1.2	0.0/1.5	0.1/3.1
All Causes	–/1.4	4.6/13 (35%)	2.6/14 (19%)	7.2/28	–/0.6	0.4/5.9 (6%)	0.5/18 (3%)	0.8/25

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

Cause	Male	Female	Male + Female
All Cancer	3.1 / 7.0 (44%)	0.2 / 4.9 (5%)	3.3 / 12 (28%)
All Causes	7.2 / 28 (25%)	0.8 / 25 (3%)	8.0 / 53 (15%)

1985-2000: SLOVAKIA

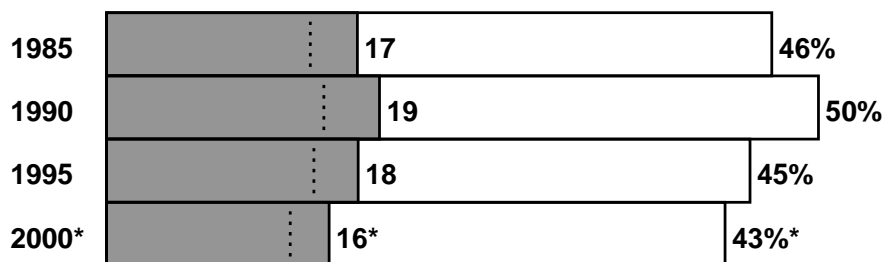
Population risk of dying at ages 0-34



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

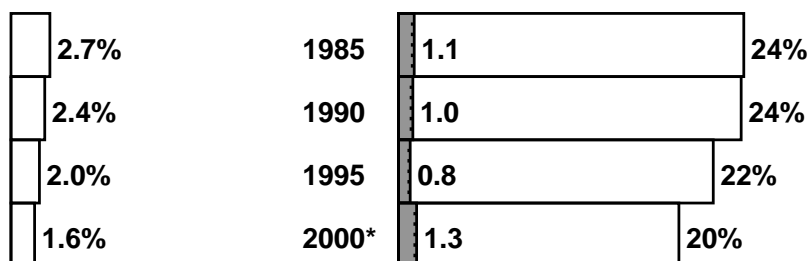
\*eg, at year 2000 male death rates, out of 100 men aged 35, 43 would die before age 70 (with 16 of these deaths attributed to smoking)

MALE



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

FEMALE



## SLOVAKIA: 1980-2000

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

Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...
1985	-/2.4	4.8/12 <b>(39%)</b>	2.6/14 <b>(19%)</b>	7.5/29	-/1.2	0.3/6.1 <b>( 4%)</b>	0.4/17 <b>( 2%)</b>	0.7/24
1990	-/2.0	5.9/15 <b>(38%)</b>	1.9/13 <b>(15%)</b>	7.8/30	-/1.0	0.3/7.2 <b>( 4%)</b>	0.4/16 <b>( 2%)</b>	0.7/24
1995	-/1.6	5.1/13 <b>(39%)</b>	2.2/13 <b>(17%)</b>	7.4/28	-/0.8	0.2/6.6 <b>( 4%)</b>	0.5/17 <b>( 3%)</b>	0.7/25
2000	-/1.4	4.6/13 <b>(35%)</b>	2.6/14 <b>(19%)</b>	7.2/28	-/0.6	0.4/5.9 <b>( 6%)</b>	0.5/18 <b>( 3%)</b>	0.8/25

20-year total\* (thousands), mid-1980 to mid-2000: 162 / 1051

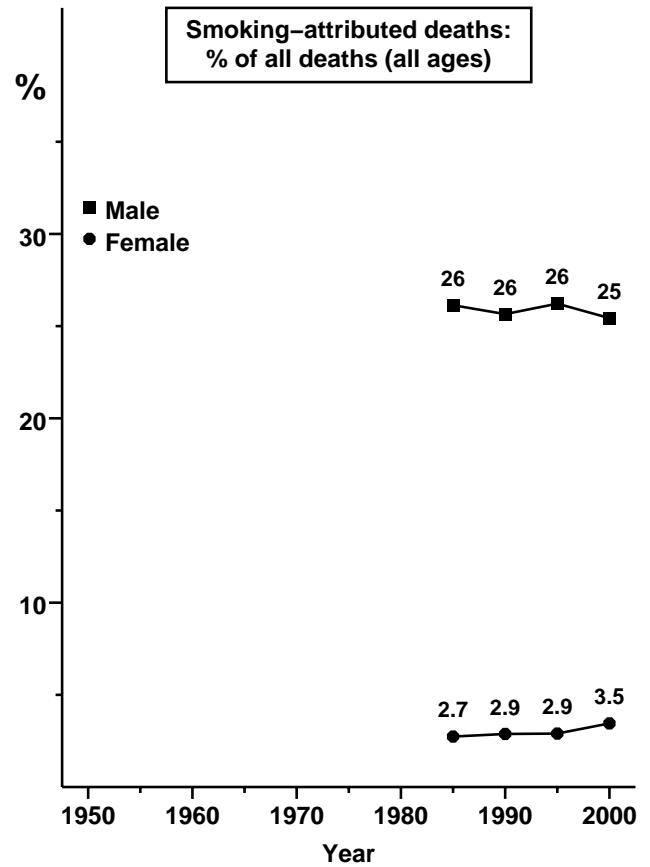
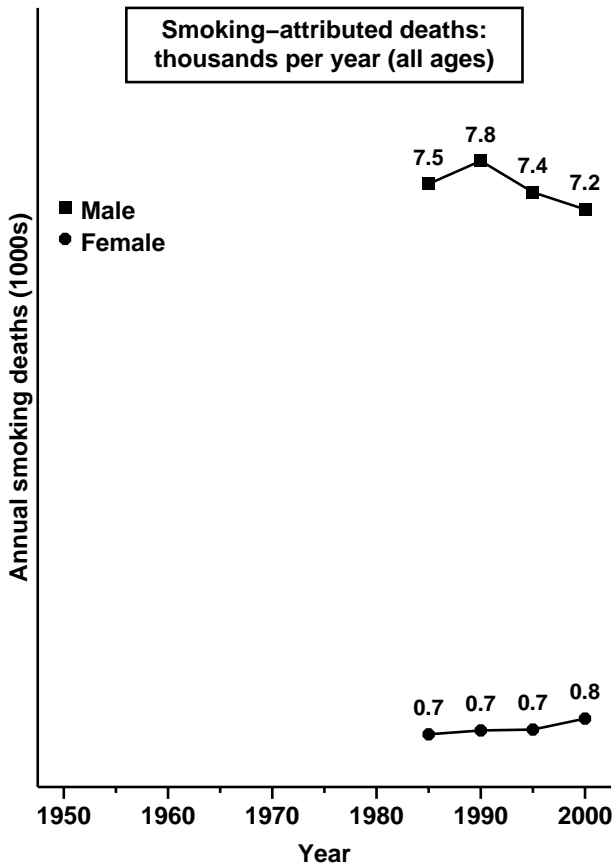
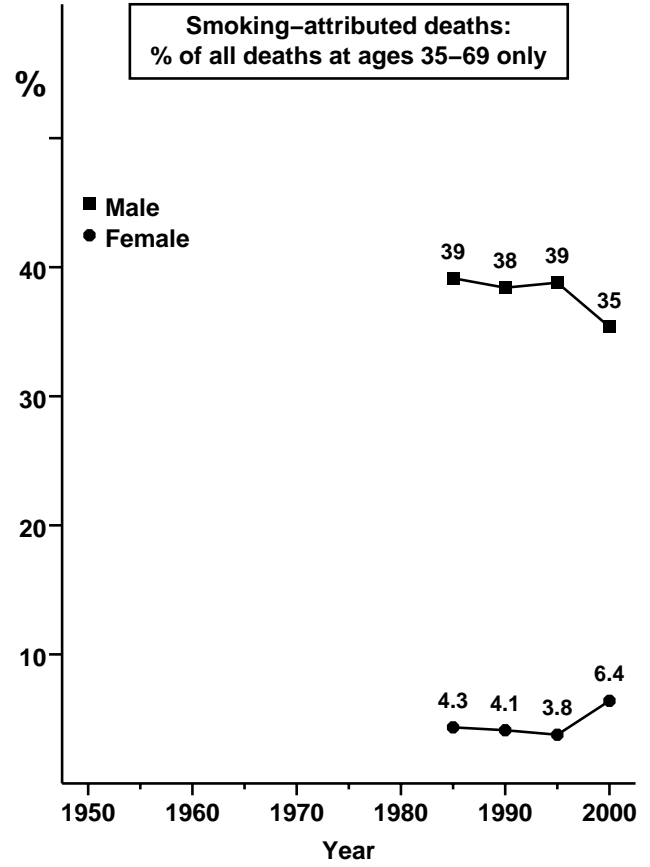
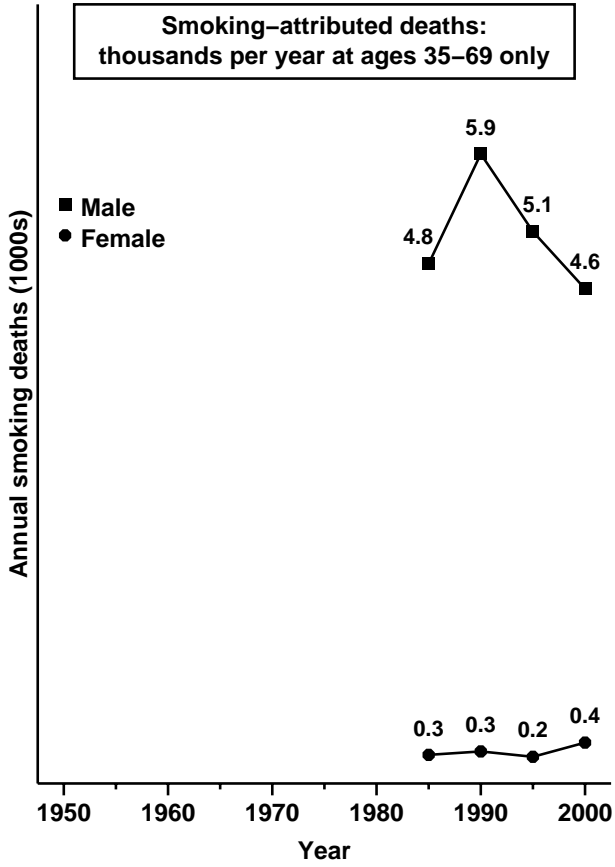
1980-2000 by age & sex:

-/39	100/256 <b>(39%)</b>	49/272 <b>(18%)</b>	149/567	-/19	5.1/127 <b>( 4%)</b>	8.5/338 <b>( 3%)</b>	14/484
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\*Estimated as 10 times the sum of the annual numbers for 1985 & 1995

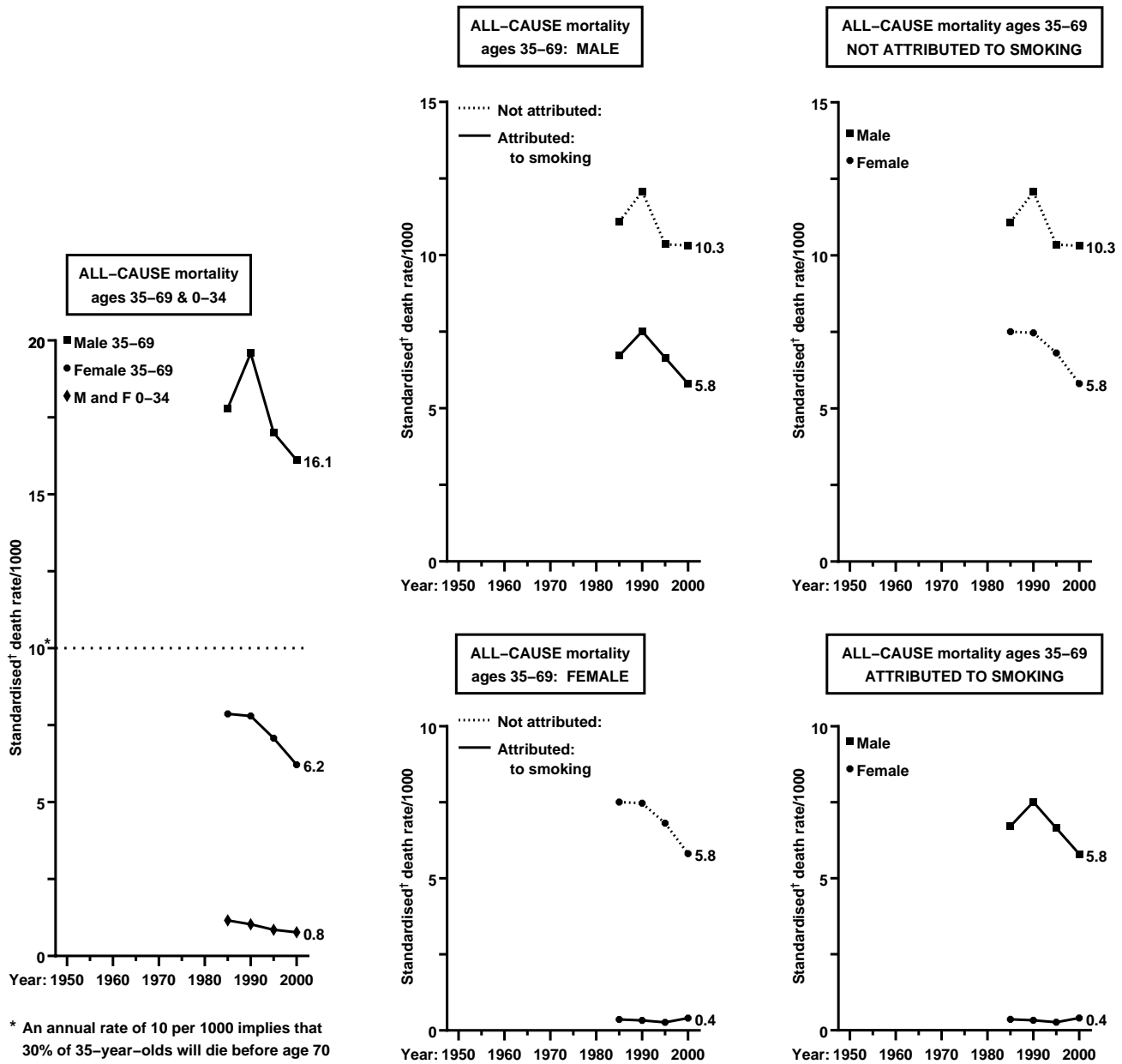


1985-2000: SLOVAKIA



**SLOVAKIA: 1985-2000**

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



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

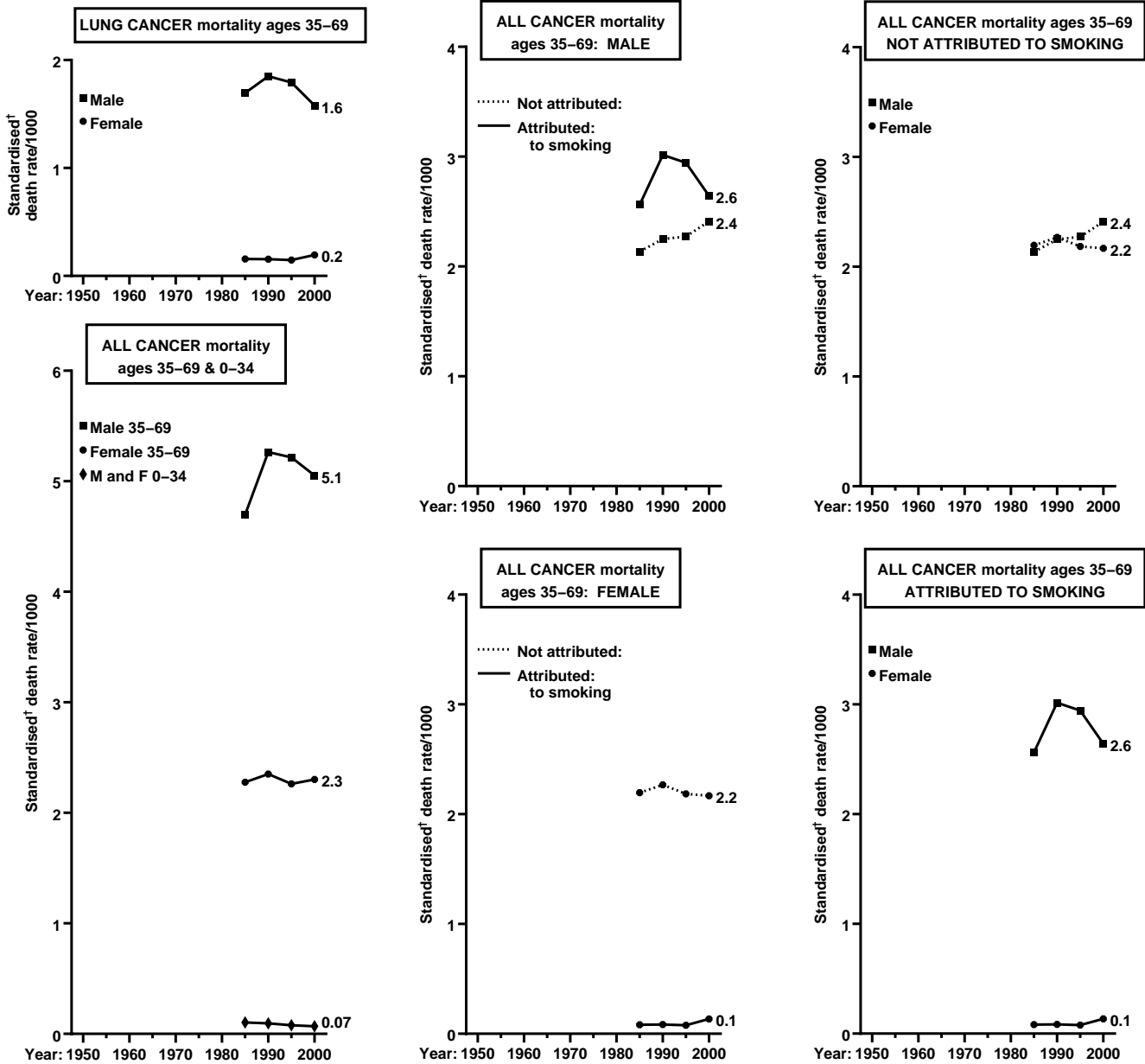
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	1.52	6.71	11.1	17.5	67.5	-	0.79	0.36	7.51	1.57	57.3				
1990	-	1.37	7.51	12.1	14.0	65.1	-	0.68	0.33	7.47	1.42	47.4				
1995	-	1.13	6.65	10.3	14.3	61.5	-	0.57	0.26	6.81	1.38	44.2				
2000	-	1.06	5.80	10.3	15.4	58.6	-	0.47	0.40	5.81	1.19	42.3				

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

1985-2000: SLOVAKIA

ALL CANCER mortality rates attributed and not attributed to smoking



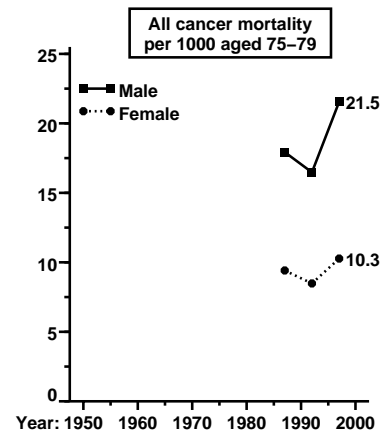
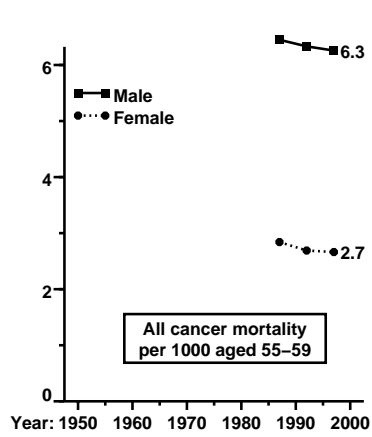
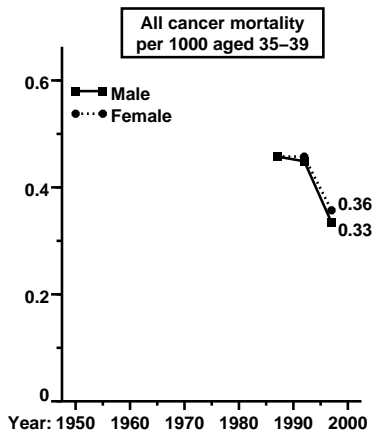
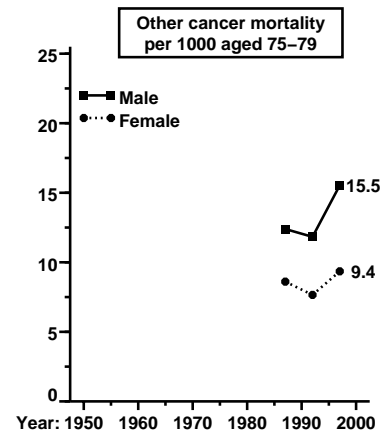
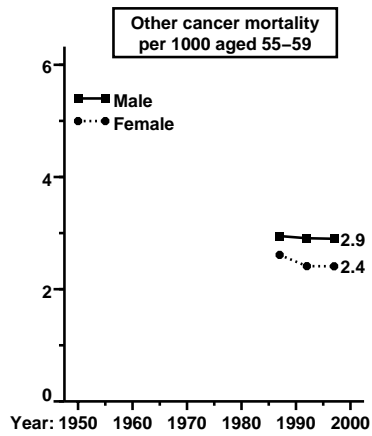
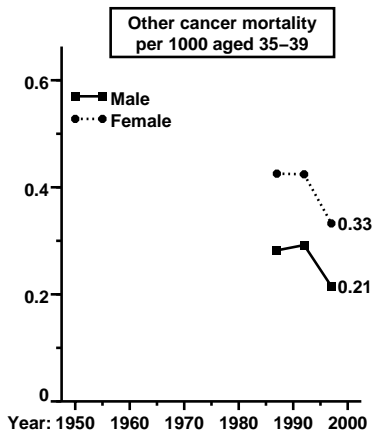
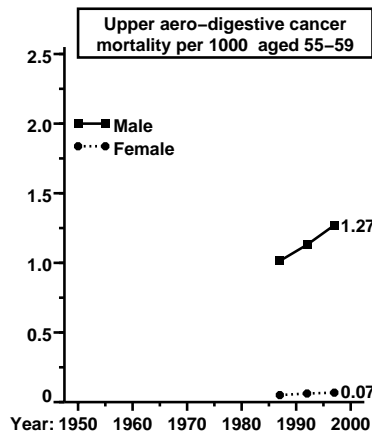
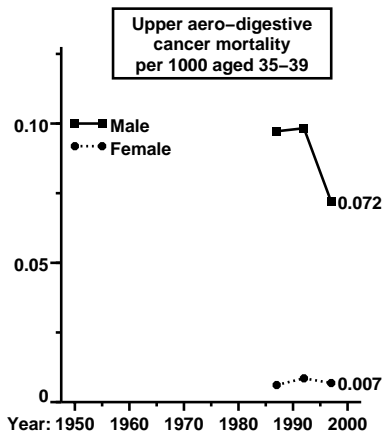
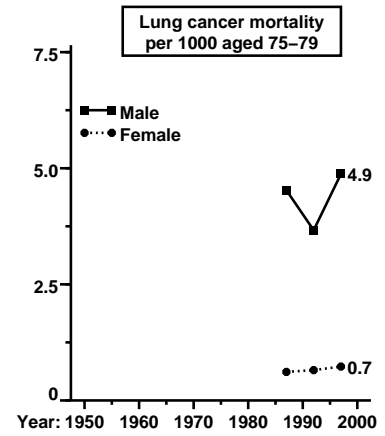
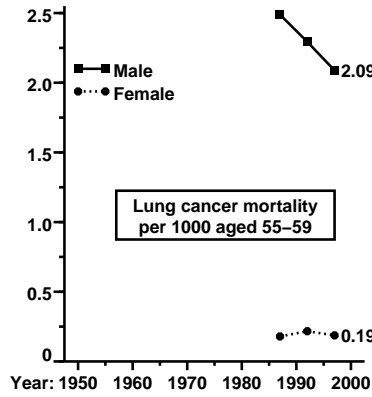
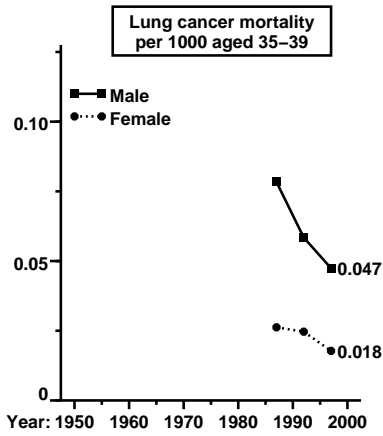
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE cancer mortality (annual rate/1000, by age)								FEMALE cancer mortality (annual rate/1000, by age)							
	Attributed to smoking?		0-34		35-69		70-79		Attributed to smoking?		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1965	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1970	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1975	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1980	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
1985	-	0.11	2.56	2.14	6.06	9.97	-	0.10	0.08	2.19	0.28	8.00	-	0.09	0.08	2.27
1990	-	0.10	3.01	2.25	5.79	10.3	-	0.07	0.08	2.18	0.37	7.16	-	0.09	0.08	2.27
1995	-	0.08	2.94	2.27	6.31	10.8	-	0.07	0.08	2.18	0.37	7.16	-	0.07	0.08	2.18
2000	-	0.07	2.64	2.41	6.75	11.8	-	0.06	0.13	2.17	0.32	7.96	-	0.06	0.13	2.17

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

**SLOVAKIA: 1985-2000**

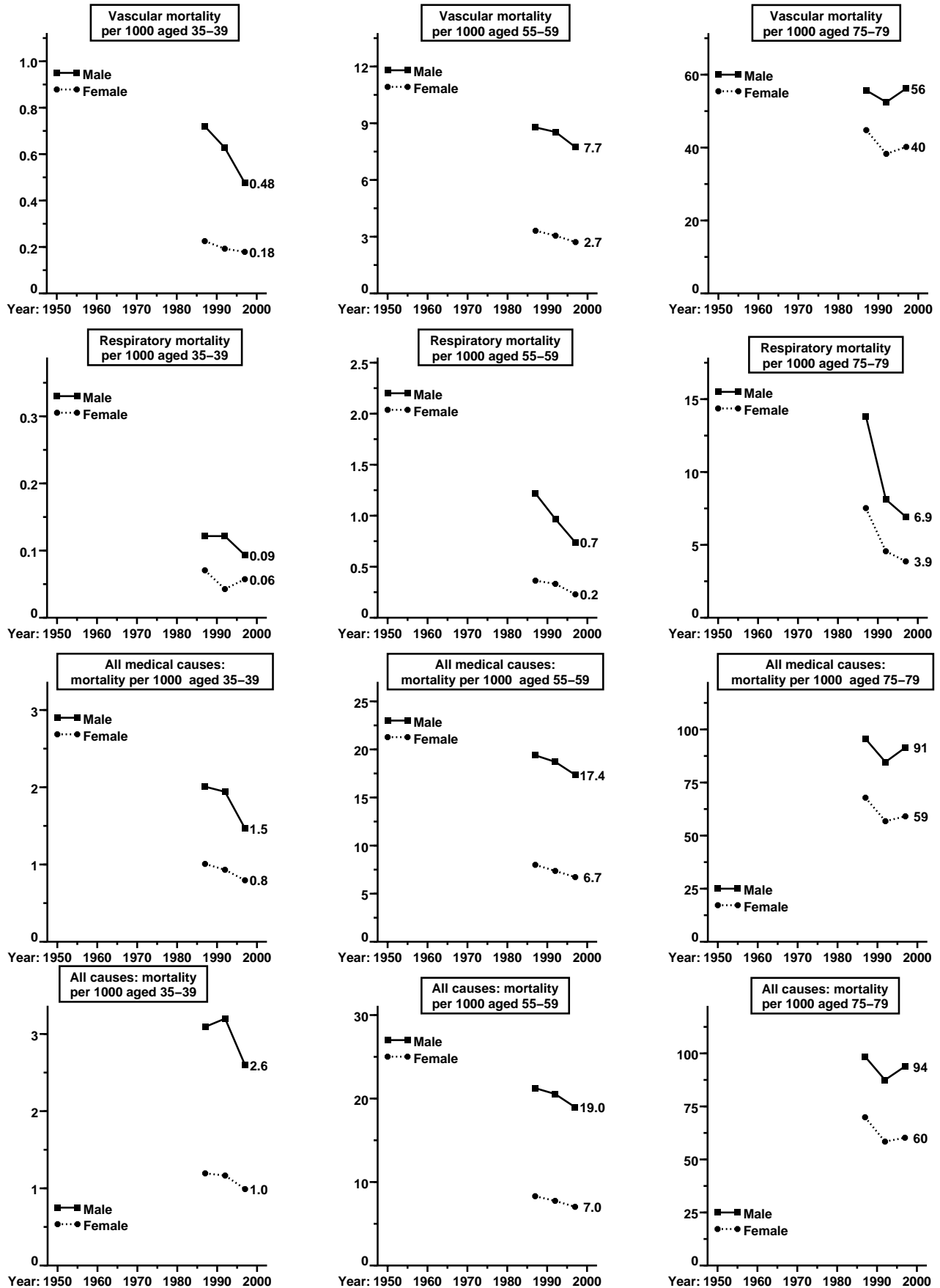
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 428-429

1985-2000: SLOVAKIA

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



\* Annual mortality per 1000: averages of years available in 1985-89,....,1995-99; year 2000 on pages 428-429