

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

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HUNGARY

Raw data (pages 224–25, 226–27)

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HUNGARY: 2000

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

2000: HUNGARY

Annual death rates / 100,000
(zero denoted by -)

9th ICD/10th ICD categories

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

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

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

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

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

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

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

1995, 2000: HUNGARY

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

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

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

Female death rates used for calculations

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

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

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

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

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

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

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

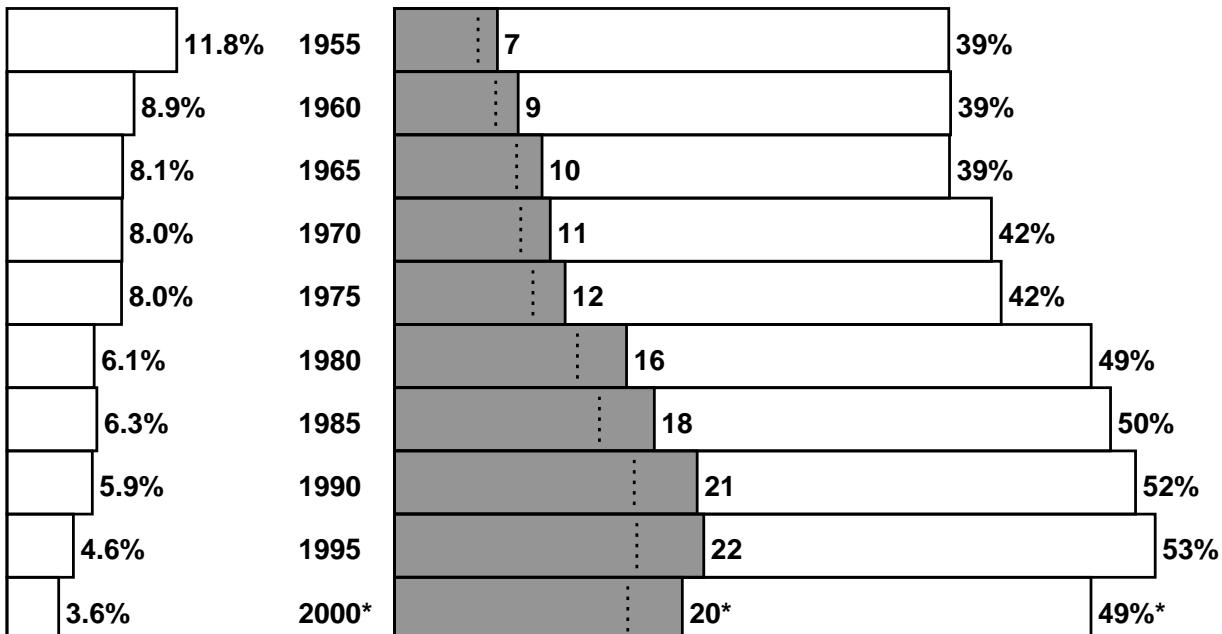
Cause	Male	Female	Male + Female
All Cancer	9.5 / 19 (51%)	2.3 / 15 (16%)	12 / 33 (35%)
All Causes	21 / 70 (30%)	7.3 / 65 (11%)	29 / 136 (21%)

1955-2000: HUNGARY

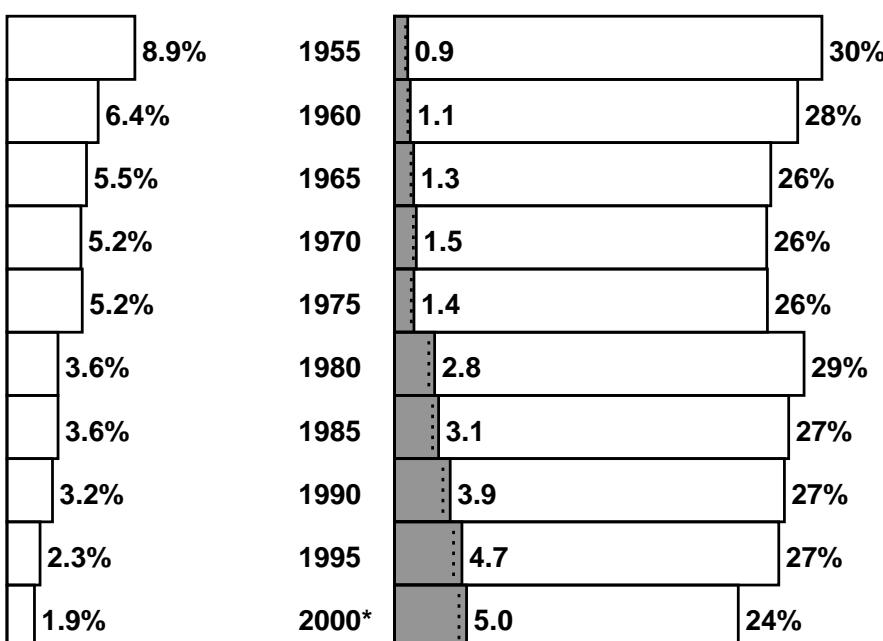
Population risk of dying at ages 0–34

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

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

MALE

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

FEMALE

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

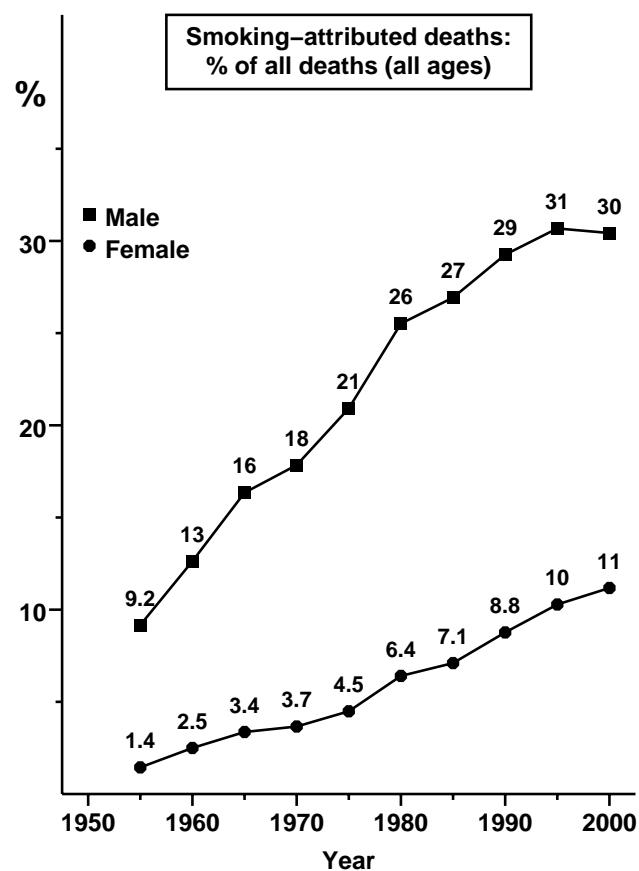
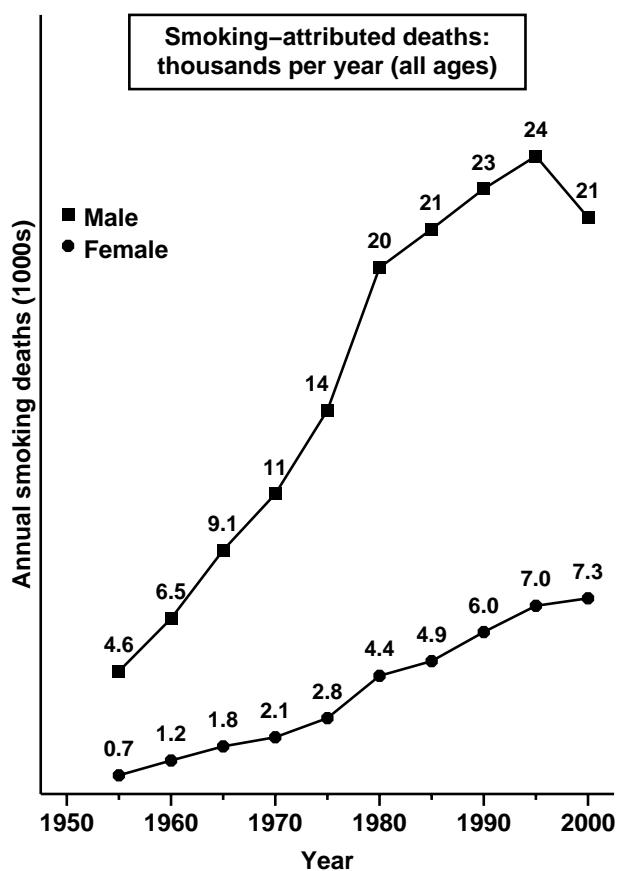
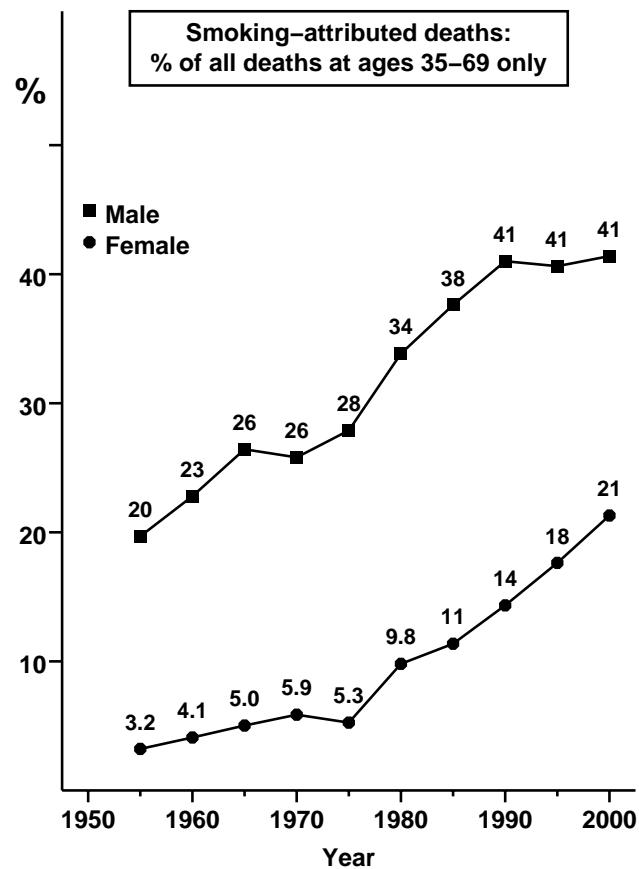
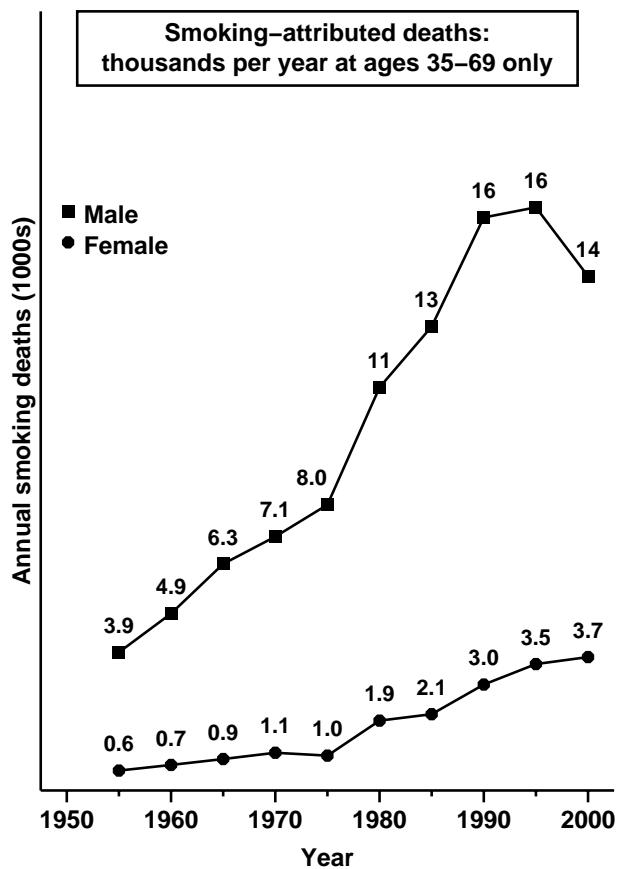
Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950
1955	-/11	3.9/20 (20%)	0.7/19 (4%)	4.6/50	-/8.2	0.6/17 (3%)	0.1/23 (0.6%)	0.7/48
1960	-/7.3	4.9/22 (23%)	1.6/23 (7%)	6.5/52	-/5.1	0.7/17 (4%)	0.5/27 (2%)	1.2/50
1965	-/5.8	6.3/24 (26%)	2.7/26 (11%)	9.1/55	-/3.8	0.9/17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

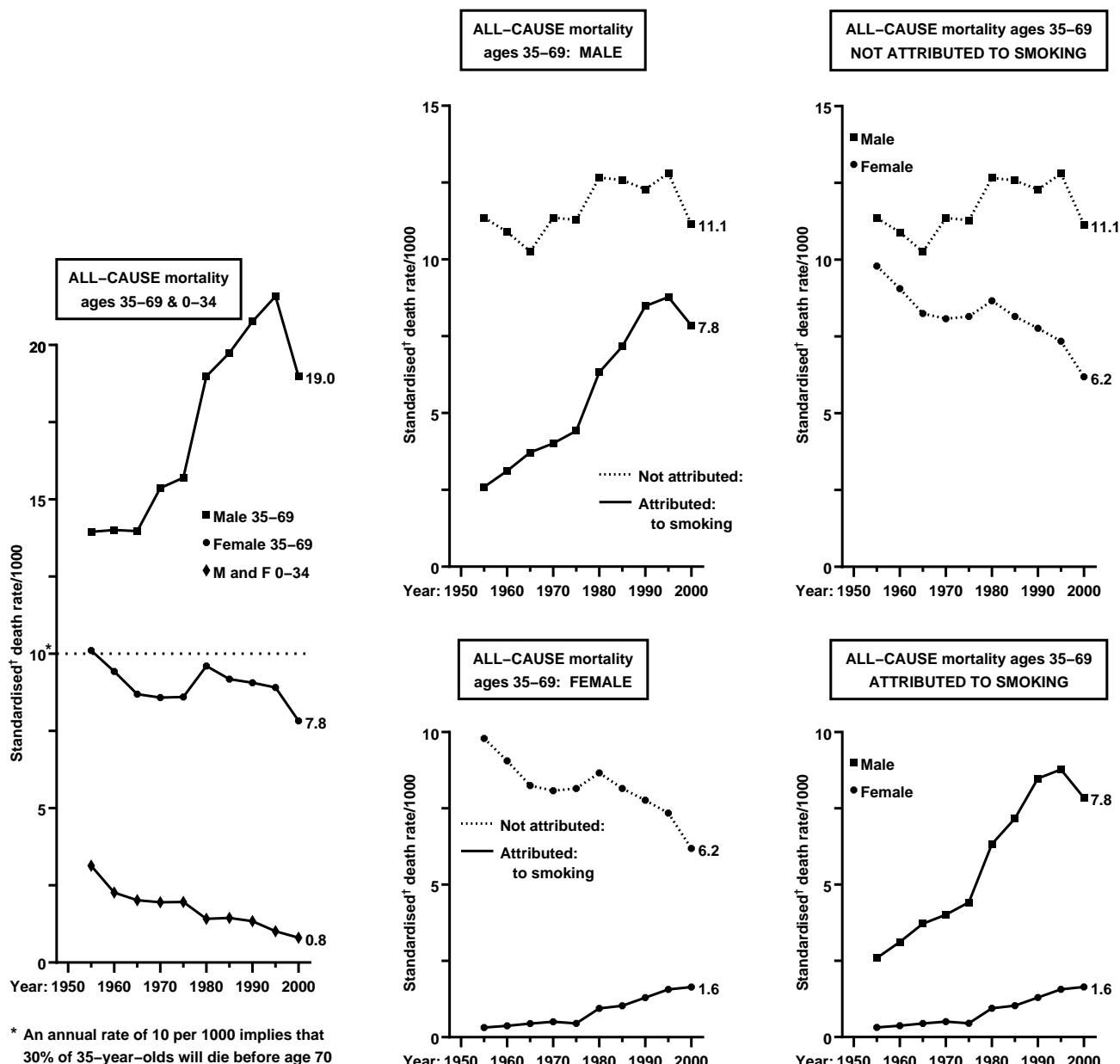
50-year total* (thousands), mid-1950 to mid-2000: 899 / 6301

1950-2000 by age & sex:

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

1955-2000: HUNGARY

HUNGARY: 1955-2000**ALL-CAUSE mortality rates attributed and not attributed to smoking**

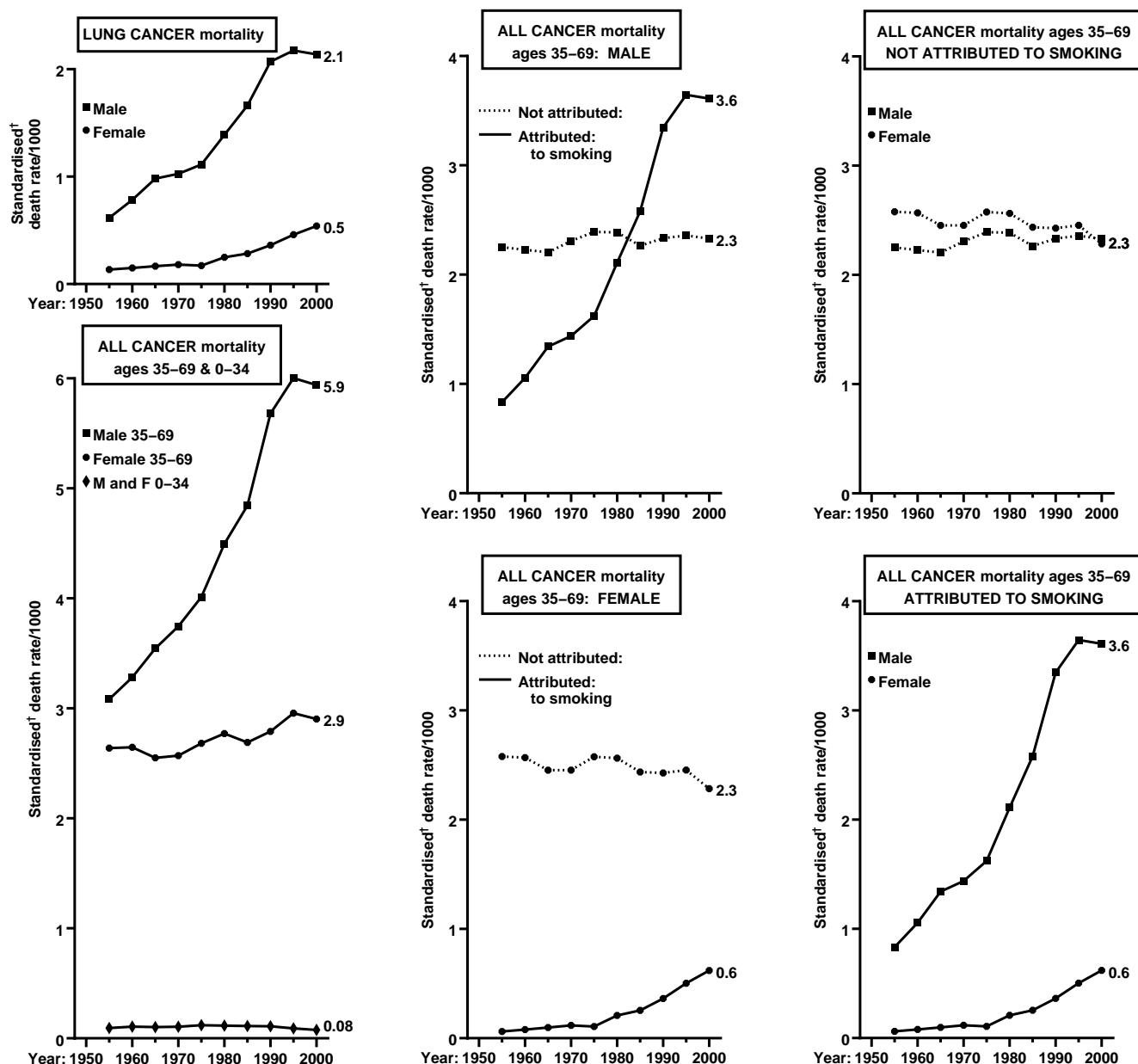
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

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

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

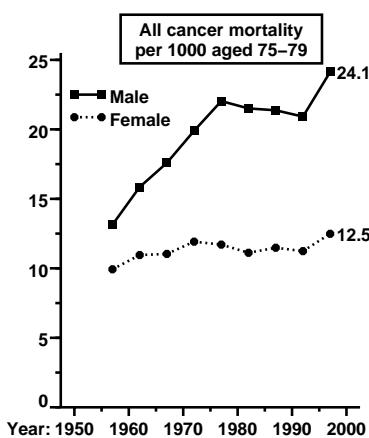
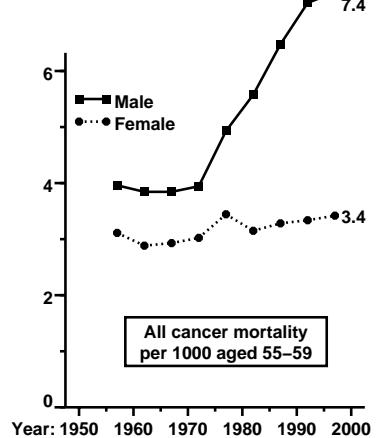
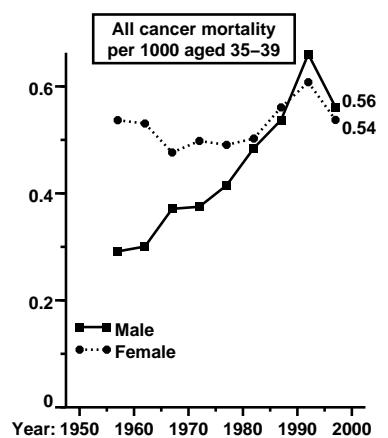
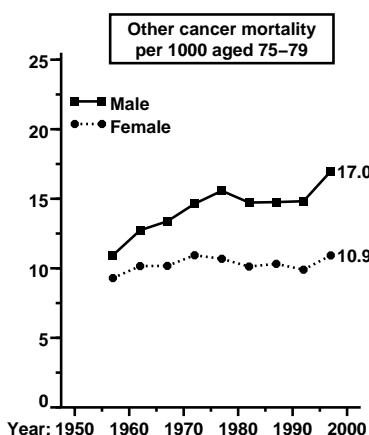
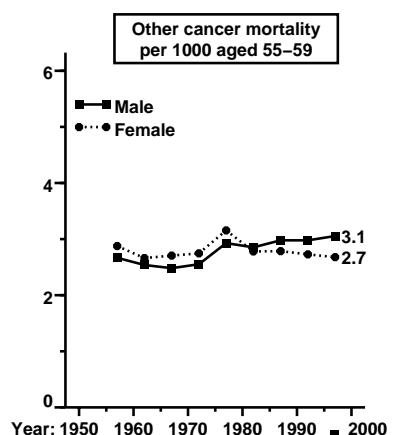
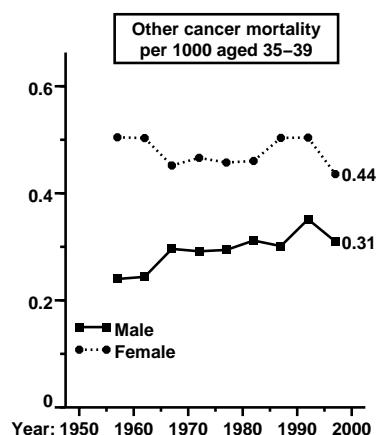
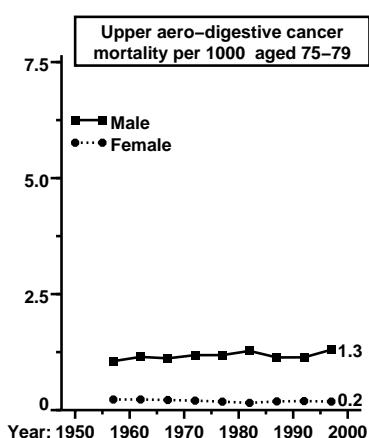
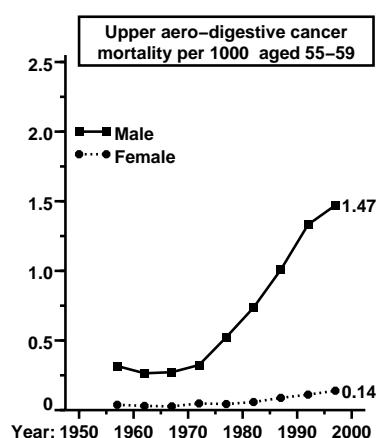
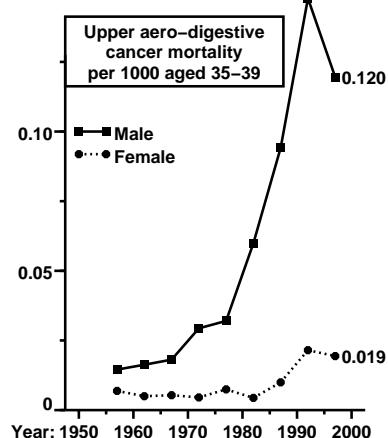
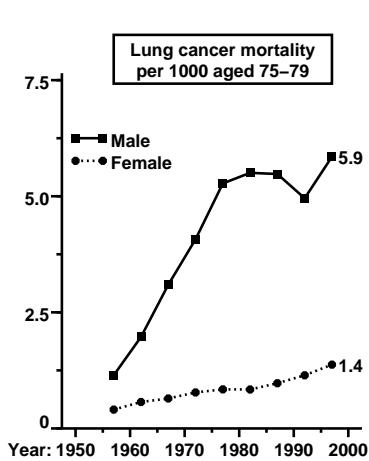
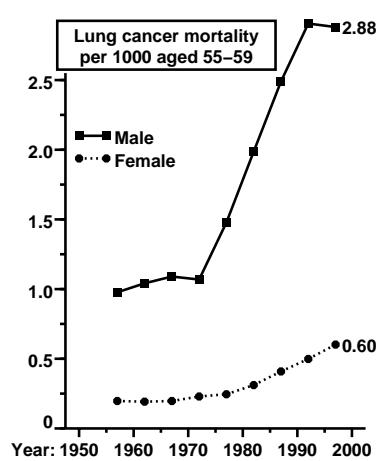
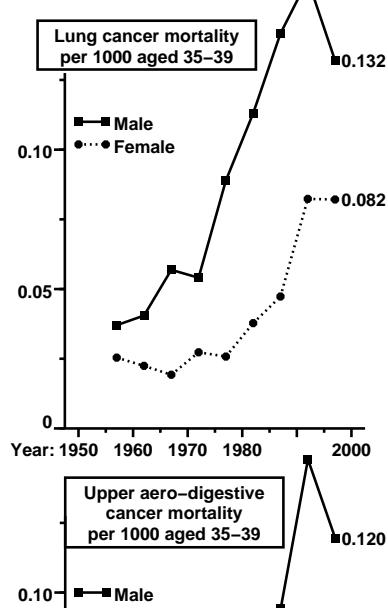
1955-2000: HUNGARY

ALL CANCER mortality rates attributed and not attributed to smoking

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

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

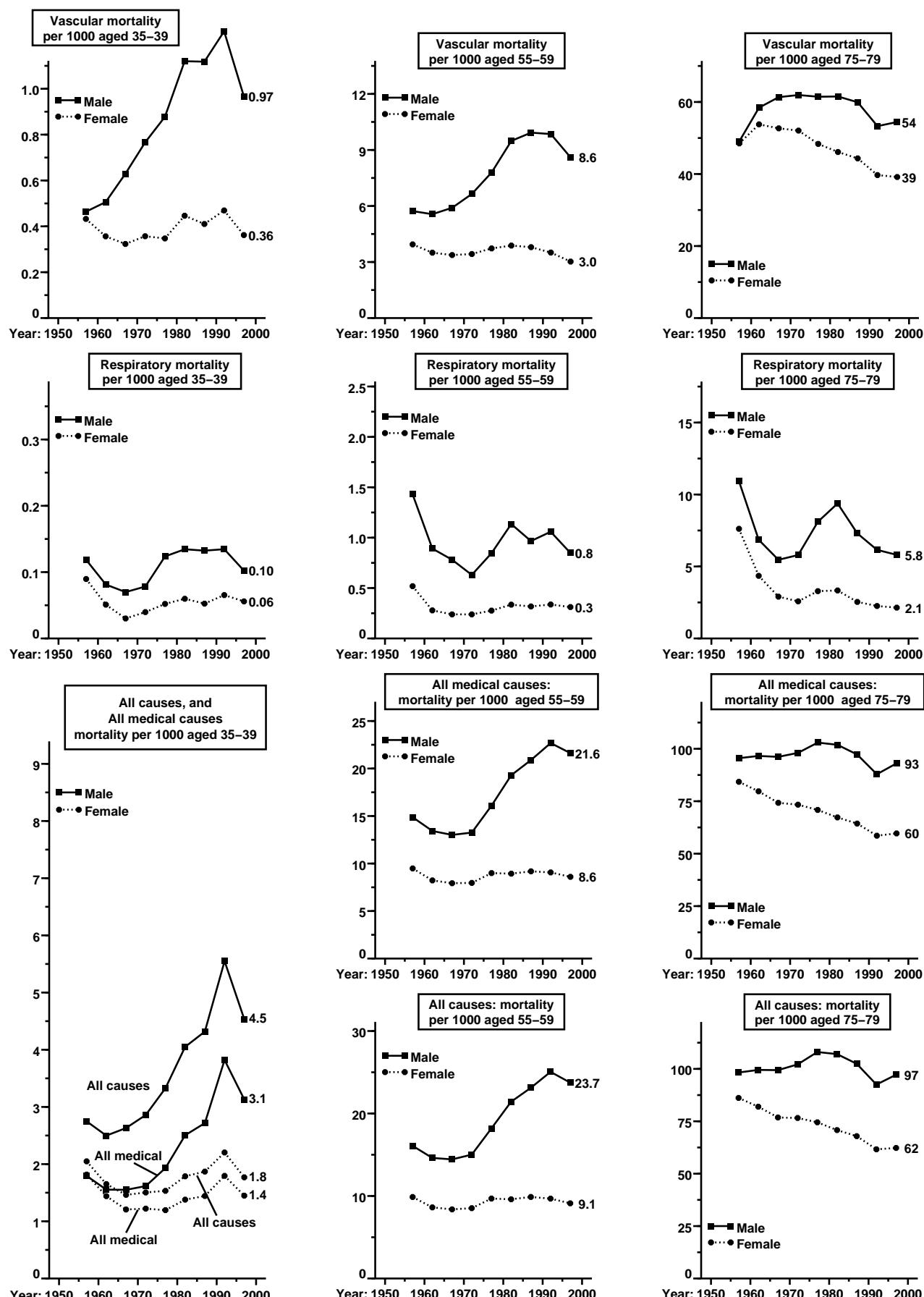
0-34 and 35-69 = means of 7 age-specific rates; 70-79 = mean of 2 rates (70-74 & 75-79)

HUNGARY: 1955-2000**Mortality* trends at selected ages: 35-39, 55-59 & 75-79**

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

1955-2000: HUNGARY

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



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