

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

(2nd edition, revised June 2006:  
[www.deathsfromsmoking.net](http://www.deathsfromsmoking.net))

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**POLAND**

**Raw data** (pages 374–75, 376–77)

**Analyses** (pages 378–79, 380–81, 382–83)

**Appendix** (pages 384–85)

**POLAND: 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													
<b>ALL CAUSES</b>	195390	10005	95195	1247.3	106.8	1521.2	193.9	20.6	23.5	73.5	119.5	132.6	184.1		
	172638	4035	44182	698.4	48.1	609.8	159.4	13.2	13.8	28.8	30.5	37.7	53.5		
Tuberculosis	828	22	554	5.0	0.2	8.0	-	-	-	-	0.1	0.3	1.3		
	288	9	98	1.2	0.1	1.3	-	-	-	-	-	0.4	0.3		
HIV	90	37	53	0.5	0.4	0.6	-	-	-	-	0.1	1.0	1.7		
	25	17	8	0.1	0.2	0.1	-	-	-	0.1	0.1	0.7	0.4		
<b>Other infective and parasitic</b>	646	130	333	4.1	1.6	5.2	7.9	0.4	0.4	0.2	0.4	1.2	0.9		
	553	90	217	2.6	1.2	2.9	6.2	0.4	0.3	0.2	0.6	0.3	0.2		
<b>ALL CANCER</b>	48019	674	27197	300.9	6.9	463.0	3.9	4.3	3.7	6.4	7.1	9.2	13.4		
	36537	528	17787	158.8	5.8	242.1	4.1	2.7	1.7	3.9	4.9	8.0	14.9		
<b>Mouth and pharynx cancer</b>	1359	10	1085	8.2	0.1	16.4	-	0.1	-	0.2	0.1	0.1	0.2		
	331	4	173	1.5	0.0	2.3	-	-	-	0.1	0.1	0.1	-		
<b>Oesophagus cancer</b>	1111	2	761	7.0	0.0	12.5	-	-	-	-	0.1	0.1	-		
	271	2	116	1.2	0.0	1.6	-	-	-	-	-	0.1	0.1		
<b>Stomach cancer</b>	3874	33	2032	24.4	0.4	34.7	-	-	-	-	0.2	0.6	1.7		
	2162	21	806	8.9	0.2	11.2	-	-	-	0.1	-	0.6	0.9		
<b>Colorectal cancer</b>	4373	19	2132	27.8	0.2	37.7	-	-	-	0.1	0.2	0.5	0.6		
	4144	16	1509	17.1	0.2	21.5	-	-	-	0.1	0.1	0.1	1.0		
<b>Liver cancer</b>	980	16	522	6.1	0.2	9.0	0.3	-	-	0.2	0.1	0.4	0.2		
	1061	5	406	4.4	0.1	5.7	-	0.1	-	-	0.1	0.1	0.1		
<b>Pancreas cancer</b>	1917	12	1202	11.8	0.1	19.5	-	-	-	-	-	0.1	0.8		
	1847	4	782	7.8	0.0	11.2	-	-	-	-	0.1	0.1	0.2		
<b>Larynx cancer</b>	1465	1	1076	9.1	0.0	17.9	-	-	-	-	0.1	-	-		
	165	-	100	0.8	-	1.3	-	-	-	-	-	-	-		
<b>Lung cancer</b>	15984	16	10009	99.2	0.2	173.9	-	-	0.1	-	0.2	0.4	0.5		
	4018	10	2357	18.1	0.1	32.1	-	-	-	0.1	0.1	0.3	0.3		
<b>Malignant melanoma</b>	463	18	290	2.8	0.2	4.3	-	0.1	-	0.1	0.2	0.4	0.6		
	465	14	259	2.1	0.2	3.3	0.1	-	-	0.1	0.3	-	0.7		
<b>Female breast cancer</b>	4712	33	2873	21.5	0.4	37.7	-	-	-	-	0.1	0.3	2.3		
<b>Cervix cancer</b>	1987	38	1384	9.3	0.4	17.2	-	-	-	-	0.3	0.7	2.0		
<b>Other uterine cancer</b>	1268	3	629	5.5	0.0	8.9	-	-	-	-	0.1	0.1	0.1		
<b>Ovarian cancer</b>	2053	25	1343	9.5	0.3	18.0	-	0.1	-	0.2	0.2	0.5	0.8		
<b>Prostate cancer</b>	3147	1	850	21.1	0.0	16.2	-	-	-	0.1	-	-	-		
<b>Bladder cancer</b>	2000	3	861	12.9	0.0	15.6	-	0.1	-	-	-	0.1	0.1		
	493	3	144	2.0	0.0	2.0	-	-	-	-	-	-	0.3		
<b>Other and ill-defined cancer sites</b>	8707	325	4979	54.1	3.3	82.3	2.7	2.6	1.9	3.1	3.3	4.5	5.3		
	9338	214	3938	39.7	2.3	54.4	2.5	1.9	1.3	2.0	1.7	2.5	4.4		
<b>Hodgkin's disease</b>	217	29	133	1.2	0.3	1.9	-	-	0.1	0.2	0.4	0.4	0.9		
	154	28	71	0.7	0.3	0.9	-	-	-	0.2	0.5	0.8	0.5		
<b>Myeloma and non-Hodgkin lymphomas</b>	1198	45	691	7.4	0.5	11.4	0.1	0.2	0.5	0.4	0.6	0.3	1.1		
	1016	31	475	4.4	0.3	6.8	0.1	0.2	-	0.2	0.7	0.7	0.4		
<b>Leukaemia</b>	1224	144	574	7.5	1.4	9.6	0.8	1.2	1.3	2.2	1.7	1.4	1.5		
	1052	77	422	4.5	0.8	5.8	1.3	0.5	0.4	0.9	0.8	1.2	0.8		
<b>Diabetes</b>	2045	35	1058	12.9	0.4	17.5	-	0.1	0.1	-	0.2	0.8	1.5		
	3145	14	955	12.6	0.1	14.0	-	0.1	0.1	0.1	0.1	0.2	0.4		
<b>ALL VASCULAR DISEASE</b>	83678	595	34743	555.4	6.3	583.0	2.9	0.7	1.3	2.7	6.1	9.2	21.0		
	91729	228	15005	353.2	2.5	215.7	2.3	0.6	0.8	1.5	2.0	3.6	6.7		
<b>Rheumatic heart disease and fever</b>	568	12	340	3.5	0.1	5.6	0.1	0.1	-	-	0.1	0.3	0.4		
<b>Hypertensive disease</b>	1888	9	962	12.1	0.1	16.0	-	-	-	-	0.1	0.1	0.4		
	2807	2	635	11.0	0.0	9.2	-	-	-	-	-	-	0.2		
<b>Ischaemic heart disease</b>	30972	102	15897	199.6	1.1	263.2	-	-	-	0.1	0.6	1.5	5.7		
	24603	18	5008	95.7	0.2	72.7	-	-	-	-	-	0.5	0.9		
<b>Pulmonary embolism and other venous disease</b>	1386	27	715	8.6	0.3	11.8	-	0.2	-	0.1	0.4	0.6	0.7		
	1357	14	513	5.6	0.1	7.2	-	0.1	-	0.1	0.2	0.3	0.4		
<b>Cerebrovascular disease</b>	17867	154	7029	118.0	1.6	120.4	0.7	0.2	0.5	0.4	1.8	2.3	5.4		
	23576	80	4553	91.3	0.9	64.7	0.4	0.1	0.4	0.3	0.6	1.7	2.7		
<b>Other vascular disease</b>	30997	291	9800	213.5	3.0	166.2	2.1	0.3	0.7	2.1	3.1	4.5	8.4		
	38643	113	3947	146.3	1.2	56.9	1.9	0.4	0.4	1.1	1.2	1.2	2.5		
<b>Chronic obstructive pulmonary disease</b>	5252	24	1833	34.3	0.2	34.2	0.3	0.1	0.1	0.3	0.2	0.2	0.6		
<b>Other respiratory disease</b>	2295	11	710	9.3	0.1	10.4	0.1	0.1	-	0.1	0.2	0.1	0.3		
	5239	200	1633	35.8	2.3	26.7	7.4	0.9	0.3	1.3	1.2	1.8	3.2		
	5524	128	772	21.5	1.5	10.8	4.7	0.5	0.6	0.9	0.6	1.4	1.9		
<b>Peptic ulcer</b>	875	12	478	5.5	0.1	7.2	-	0.1	-	-	0.1	0.2	0.6		
	649	6	162	2.5	0.1	2.2	-	-	-	-	0.1	0.1	0.3		
<b>Liver cirrhosis</b>	3846	111	3121	22.3	1.2	43.6	0.1	-	0.1	0.1	0.5	2.0	5.8		
	1571	47	961	7.3	0.5	12.4	0.1	-	0.1	0.1	0.1	0.1	0.9		
<b>Renal disease</b>	1920	36	729	12.8	0.4	12.1	0.6	-	-	0.2	0.2	0.8	0.9		
	1930	38	531	7.7	0.4	7.5	0.4	0.1	-	0.2	0.4	0.7	1.2		
<b>Pregnancy, birth and congenital and perinatal causes</b>	30	17	13	0.2	0.2	0.1	-	-	-	0.3	0.6	0.3	0.3		
	1607	1542	55	12.0	20.9	0.7	140.3	1.8	1.1	1.1	0.4	0.8	0.7		
<b>Ill-defined causes</b>	1293	1223	52	10.1	17.5	0.6	118.2	1.4	1.2	0.6	0.5	0.3	0.5		
	13757	717	7253	89.0	7.6	104.4	7.7	0.6	0.9	3.9	9.0	10.9	20.0		
	12303	214	1891	48.5	2.5	25.0	7.3	0.6	0.4	1.8	1.5	2.5	3.5		
<b>Other medical causes</b>	8556	611	4756	52.5	6.6	69.9	9.6	2.8	2.9	4.4	4.4	7.6	14.2		
	8035	344	2593	33.3	3.8	35.3	6.9	1.7	2.5	3.0	3.5	3.8	5.2		
<b>ALL NON-MEDICAL CAUSES</b>	19032	5259	11399	104.3	51.7	145.2	13.2	8.8	12.7	53.0	89.5	86.4	98.3		
	6731	1121	2427	29.5	11.6	29.3	9.1	5.1	5.9	16.2	15.6	14.1	14.9		
<b>Road traffic accidents</b>	4976	1925	2591	26.4	18.6	33.2	3.2	3.6	4.5	21.4	36.8	33.1	27.6		
	1441	503	606	6.7	5.0	7.5	1.7	3.5	2.7	9.2	7.2	6.0	4.8		
<b>Fire</b>	316	40	227	1.8	0.4	3.0	0.2	0.2	0.2	0.3	0.5	0.4	1.1		
	102	12	34	0.4	0.1	0.4	0.2	0.1	0.1	-	0.2	0.1	0.3		
<b>Suicide</b>	4869	1375	3142	26.0	13.4	39.0	-								

## 2000: POLAND

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
291.5	482.1	752.7	1142.4	1690.3	2546.0	3743.4	5478.3	7989.9	15180.1	F	Tuberculosis	010-018, 137/ A15-A19, B90
92.3	169.9	286.6	442.0	659.2	986.0	1632.5	2766.8	4934.7	13398.0	F	HIV	279.5, 279.6/B20-B24
1.8	4.2	6.3	9.4	8.1	13.4	13.0	19.3	21.1	35.0	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.4	0.8	1.3	0.5	1.3	1.9	2.5	4.3	10.6	15.1	F		
1.8	0.8	0.6	0.3	0.3	0.1	-	-	-	-	M		
0.2	0.2	0.2	-	-	-	-	-	-	-	F		
1.0	1.8	2.9	4.2	6.2	8.8	11.7	15.0	15.6	22.7	M		
0.5	1.4	1.6	1.9	3.3	5.1	6.6	9.1	12.1	18.1	F		
27.2	71.0	157.7	303.9	542.5	897.4	1241.4	1654.5	1991.8	2087.9	M	ALL CANCER	140-208/C00-C97
33.0	72.4	131.3	211.4	297.3	397.4	552.2	717.2	951.8	1208.8	F	Mouth and pharynx cancer	140-149/C00-C14
1.4	4.9	11.7	19.8	24.8	25.3	27.3	21.5	26.6	27.1	M	Oesophagus cancer	150/C15
0.2	1.2	1.5	2.5	3.7	3.8	3.1	5.0	7.0	13.0	F		
0.1	2.0	5.4	11.5	18.7	25.6	24.2	30.1	27.2	42.9	M		
-	0.5	0.8	1.6	1.9	2.6	3.6	4.9	7.0	13.0	F		
2.5	5.5	11.2	21.4	39.8	67.6	95.0	142.7	187.7	188.5	M	Stomach cancer	151/C16
1.3	3.7	5.1	6.7	10.7	19.3	31.4	49.8	66.1	97.0	F		
1.9	3.8	10.1	17.9	37.6	72.4	120.3	159.9	242.1	251.0	M	Colorectal cancer	153, 154/C18-C21
2.0	3.4	7.0	13.4	25.1	39.4	60.5	93.9	132.7	192.8	F		
0.6	1.8	2.4	4.9	8.4	18.7	26.1	32.5	49.8	45.9	M	Liver cancer	155.0/C22 excl C221
0.5	0.9	2.1	4.0	6.4	9.4	16.9	24.5	34.1	44.6	F		
2.0	5.0	8.9	15.9	24.4	34.7	45.4	57.4	75.1	65.6	M	Pancreas cancer	157/C25
0.4	1.3	3.7	7.3	15.2	20.8	30.1	39.3	57.6	71.7	F		
0.7	2.5	7.3	15.2	25.6	34.8	39.1	36.3	37.2	31.5	M	Larynx cancer	161/C32
0.2	0.5	0.6	1.9	2.6	1.7	1.9	3.6	2.4	3.8	F		
4.3	18.8	49.2	108.5	206.9	352.8	476.9	589.6	563.8	419.3	M	Lung cancer	162/C33, C34
2.2	7.6	18.0	32.4	42.1	51.6	71.2	76.3	90.3	87.2	F		
1.4	2.0	3.5	3.7	4.9	6.5	7.8	10.8	15.3	20.6	M	Malignant melanoma	172/C43
1.2	2.3	2.3	3.6	4.6	3.8	5.2	7.7	10.1	12.4	F		
7.1	14.0	28.2	41.9	51.2	56.0	65.5	69.3	95.5	121.3	F	Female breast cancer	174/C50
5.5	11.7	16.4	19.6	20.1	23.8	23.6	26.4	29.9	30.5	F	Cervix cancer	180/C53
0.5	1.6	3.2	6.1	12.1	15.4	23.7	30.3	33.5	33.7	M	Other uterine cancer	179, 182/C54, C55
2.8	5.9	11.4	18.2	23.7	28.7	35.1	35.4	35.3	32.8	F	Ovarian cancer	183/C56, C570-C574
0.1	0.4	0.9	3.8	13.0	33.0	62.2	133.5	234.4	355.9	M	Prostate cancer	185/C61
0.3	1.0	2.5	6.6	15.5	33.5	50.0	84.9	106.5	145.6	M	Bladder cancer	188/C67
0.1	0.2	1.0	1.2	1.5	3.9	6.3	9.4	18.6	29.0	F		
8.1	17.2	34.9	60.1	97.8	148.9	209.3	276.4	319.3	384.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
7.1	14.2	25.6	41.6	61.6	93.9	136.9	192.7	272.0	360.8	F	Hodgkin's disease	201/C81
1.2	1.2	1.4	1.3	1.9	3.2	3.0	4.7	6.1	4.4	M		
0.2	0.3	0.6	1.1	1.2	1.7	1.4	2.8	2.9	2.6	F		
1.0	2.6	4.2	8.7	13.1	23.5	27.1	38.9	51.0	38.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
1.3	1.1	1.5	4.3	6.9	13.5	19.0	25.6	29.2	22.2	F	Leukaemia	204-208/C91-C95
1.7	2.4	4.0	4.5	10.0	16.9	27.7	35.3	49.8	67.3	M		
0.7	2.1	2.3	4.1	6.8	8.0	16.9	20.3	27.6	40.5	F		
2.2	3.8	7.6	11.5	18.4	31.2	48.2	68.4	98.9	114.6	M	Diabetes	250/E10-E14
0.9	1.5	2.6	6.0	12.4	23.6	51.0	78.6	112.0	157.4	F		
49.2	115.7	225.6	396.1	629.7	1004.9	1659.8	2607.3	4185.3	9044.6	M	ALL VASCULAR DISEASE	390-459/I00-I99
15.9	32.4	63.1	114.9	195.3	366.7	721.4	1448.8	2891.9	8796.6	F	Rheumatic heart disease and fever	390-398/I00-I09
0.3	1.3	2.3	4.8	7.3	9.3	13.8	19.3	20.5	20.1	M	Hypertensive disease	401-405/I10-I15
0.2	0.8	1.5	3.5	6.0	8.5	14.5	18.3	22.9	19.0	F		
1.1	3.0	7.1	11.4	19.8	29.9	39.5	62.3	83.6	135.5	M		
0.2	1.0	1.9	7.0	9.1	16.4	28.3	51.7	97.3	215.4	F		
20.3	54.5	111.6	200.7	307.8	448.8	698.4	958.3	1357.4	2361.6	M	Ischaemic heart disease	410-414/I20-I25
3.6	8.7	19.5	33.5	66.2	134.1	243.3	449.7	802.0	2056.1	F		
1.5	2.8	5.2	8.2	12.1	19.7	32.7	49.2	68.7	68.2	M	Pulmonary embolism and other venous disease	415.1, 451-453/ I26, I80-I82
1.1	1.3	3.0	3.9	8.1	13.1	20.2	29.8	44.1	58.7	F		
9.8	20.2	39.8	72.0	121.3	212.1	367.3	601.3	999.1	1834.3	M	Cerebrovascular disease	430-438/I60-I69
6.3	12.1	21.4	39.7	61.3	100.1	211.6	426.8	840.8	1927.9	F		
16.2	33.9	59.6	99.0	161.4	285.1	507.9	917.0	1656.0	4624.8	M	Other vascular disease	Rest of 390-459/ rest of I00-I99
4.5	8.4	15.7	27.3	44.6	94.5	203.3	472.6	1084.9	4519.5	F		
0.7	2.0	3.5	10.0	30.3	68.3	124.5	233.4	336.7	456.5	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.7	0.9	2.3	6.0	12.9	16.1	33.7	54.1	74.3	126.0	F		
4.5	10.0	11.8	14.5	23.5	43.5	78.9	145.3	273.8	757.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.1	3.0	4.1	5.8	11.8	15.3	33.8	63.4	154.8	592.7	F		
1.3	3.1	4.9	7.7	6.2	10.5	16.6	21.7	36.6	65.2	M	Peptic ulcer	531-533/K25-K27
0.3	0.8	1.0	1.9	1.4	2.6	7.4	11.8	22.9	45.8	F		
14.6	29.0	40.4	45.7	55.9	58.7	60.9	57.4	59.5	49.0	M	Liver cirrhosis	571/K70, K74
3.0	7.2	8.7	13.9	18.6	17.2	18.4	25.9	31.0	29.6	F		
1.6	2.8	5.6	7.5	11.5	20.6	34.8	58.2	94.3	233.9	M	Renal disease	580-590/N00-N19
1.0	1.4	2.6	4.2	7.1	11.7	24.9	37.1	65.3	122.8	F		
0.7	0.2	0.1	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099
0.3	1.0	0.9	0.5	0.7	0.6	0.7	0.6	1.5	0.9	M		
0.8	0.4	0.7	0.5	0.7	0.2	1.0	1.1	1.0	0.6	F	III-defined causes	740-779/A33, P00-P96, Q00-Q99 780-799/R00-R99
35.0	59.2	82.4	106.7	123.6	150.3	173.9	230.7	377.3	1450.4	M		
5.8	11.4	17.1	20.9	28.9	38.7	52.0	107.1	235.7	1480.3	F		
25.1	38.3	49.1	64.1	81.8	93.5	137.2	211.1	294.0	479.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
6.6	11.3	19.2	26.4	39.8	54.3	89.8	151.1	254.7	429.3	F		
125.2	139.4	153.6	160.2	151.7	144.1	142.1	155.6	203.6	382.6	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
20.4	24.4	30.8	27.7	28.5	35.4	38.1	57.2	116.7	375.1	F		
32.5	28.9	32.6	38.0	32.4	33.0	35.3	35.2	43.3	56.8	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
5.5	6.2	6.3	6.3	7.7	9.5	10.6	12.5	20.1	19.8	F		
1.4	2.3	3.5	3.6	3.2	3.0	3.9	3.6	5.2	5.7	M	Fire	E890-E899/X00-X09
0.2	0.2	0.4	0.6	0.4	0.5	0.8	0.8	3.1	5.6	F		
35.9	42.0	43.8	44.0	43.0	35.2	29.1	27.7	34.5	39.8	M	Suicide	E950-E959/X60-X84
6.7	6.9	10.8	6.5	6.9	7.5	6.5	5.9	8.8	5.8	F		
4.9	5.1	4.6	5.0	4.8	3.0	4.3	4.5	2.7	5.7	M	Homicide	E960-E969/ X85-X99, Y00-Y09
1.6	1.8	1.2	1.9	1.1	1.5	1.1	0.6	1.3	2.6	F		
1322	1586	1531	1214	753	770	693	535	328	229	M	POPULATION	
1302	1589	1577	1294	856	944	924	833	613	531	F	(1000s; UN, 2004 revision)	

**POLAND: 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	13264	828	36	13	779	27	257	839	138	4837	6338
35-69 Sm.	43231	16429	10565	2359	3505	1701	572	17287	—	7242	—
Total	105248	28404	11049	3083	14272	1991	1343	41601	2741	16180	12988
(41%)	(58%)	(96%)	(77%)	(25%)	(85%)	(43%)	(42%)			(45%)	
70+ Sm.	17341	6290	4236	587	1467	2098	250	7136	—	1567	—
Total	87174	15694	4601	937	10156	2796	1881	52004	536	12124	2139
(20%)	(40%)	(92%)	(63%)	(14%)	(75%)	(13%)	(14%)			(13%)	
Any age Sm.	60572	22719	14801	2946	4972	3799	822	24423	—	8809	—
Total	205686	44926	15686	4033	25207	4814	3481	94444	3415	33141	21465
(29%)	(51%)	(94%)	(73%)	(20%)	(79%)	(24%)	(26%)			(27%)	
<b>2000</b>											
0-34 Sm.	—	—	—	—	—	—	—	—	—	—	—
Total	10005	674	16	13	645	24	200	595	111	3142	5259
35-69 Sm.	36555	14835	9513	2157	3165	1542	628	13335	—	6215	—
Total	95195	27197	10009	2922	14266	1833	1633	34743	3121	15269	11399
(38%)	(55%)	(95%)	(74%)	(22%)	(84%)	(38%)	(38%)			(41%)	
70+ Sm.	20337	8226	5523	650	2053	2613	483	7243	—	1772	—
Total	90190	20148	5959	1000	13189	3395	3406	48340	614	11913	2374
(23%)	(41%)	(93%)	(65%)	(16%)	(77%)	(14%)	(15%)			(15%)	
Any age Sm.	56892	23061	15036	2807	5218	4155	1111	20578	—	7987	—
Total	195390	48019	15984	3935	28100	5252	5239	83678	3846	30324	19032
(29%)	(48%)	(94%)	(71%)	(19%)	(79%)	(21%)	(25%)			(26%)	

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	18782	10178	7672	1624	1587	1280	815	865	820	681	466	219	247	
2000	18779	9818	7870	1322	1586	1531	1214	753	770	693	535	328	229	
<b>NUMBER OF DEATHS (Source: WHO)</b>														
<b>All causes</b>														
1995	205686	13264	105248	5984	9192	11192	10854	16908	23436	27682	27457	19031	40686	
2000	195390	10005	95195	3854	7648	11524	13865	12735	19612	25957	29298	26175	34717	
<b>Lung cancer</b>														
1995	15686	36	11049	109	357	734	1080	2160	3134	3475	2570	1096	935	
2000	15984	16	10009	57	298	753	1317	1559	2718	3307	3153	1847	959	
<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	1394.5*	139.0*	1718.5*	368.6	579.3	874.1	1331.3	1955.6	2856.7	4064.3	5898.4	8693.9	16458.7	
2000	1247.3*	106.8*	1521.2*	291.5	482.1	752.7	1142.4	1690.3	2546.0	3743.4	5478.3	7989.9	15180.1	
<b>All cancer</b>														
1995	301.3*	8.4*	491.9*	33.0	79.0	177.1	350.4	601.8	924.1	1278.2	1579.8	1770.7	1805.8	
2000	300.9*	6.9*	463.0*	27.2	71.0	157.7	303.9	542.5	897.4	1241.4	1654.5	1991.8	2087.9	
<b>Lung cancer</b>														
1995	104.2*	0.4*	194.4*	6.7	22.5	57.3	132.5	249.8	382.0	510.2	552.1	500.7	378.2	
2000	99.2*	0.2*	173.9*	4.3	18.8	49.2	108.5	206.9	352.8	476.9	589.6	563.8	419.3	
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>														
1995	26.9*	0.1*	51.5*	3.3	10.5	28.3	57.3	71.5	90.0	99.5	94.3	107.4	106.4	
2000	24.4*	0.1*	46.8*	2.1	9.3	24.4	46.6	69.2	85.7	90.6	87.9	91.0	101.4	
<b>Other cancer</b>														
1995	170.3*	7.9*	246.0*	23.0	46.0	91.5	160.7	280.5	452.1	668.5	933.4	1162.6	1321.2	
2000	177.3*	6.6*	242.3*	20.8	42.9	84.1	148.9	266.4	458.9	673.9	977.0	1337.0	1567.1	
<b>Chronic obstructive pulmonary disease (COPD)</b>														
1995	34.0*	0.3*	37.2*	1.0	1.3	5.1	12.9	28.3	70.5	141.1	225.6	304.7	436.5	
2000	34.3*	0.2*	34.2*	0.7	2.0	3.5	10.0	30.3	68.3	124.5	233.4	336.7	456.5	
<b>Other respiratory disease</b>														
1995	24.3*	2.8*	21.6*	6.0	8.9	12.4	14.7	20.6	31.2	57.6	101.8	167.2	421.1	
2000	35.8*	2.3*	26.7*	4.5	10.0	11.8	14.5	23.5	43.5	78.9	145.3	273.8	757.3	
<b>Vascular disease</b>														
1995	670.1*	8.8*	712.4*	73.1	154.5	283.5	480.9	783.9	1267.6	1943.2	3189.5	5169.9	10453.1	
2000	555.4*	6.3*	583.0*	49.2	115.7	225.6	396.1	629.7	1004.9	1659.8	2607.3	4185.3	9044.6	
<b>Liver cirrhosis</b>														
1995	21.3*	1.5*	41.2*	14.7	23.3	32.0	43.5	50.4	60.6	63.7	57.6	57.1	57.8	
2000	22.3*	1.2*	43.6*	14.6	29.0	40.4	45.7	55.9	58.7	60.9	57.4	59.5	49.0	
<b>Other medical causes</b>														
1995	221.3*	52.7*	244.3*	90.0	139.0	183.2	230.7	288.0	350.1	429.5	584.5	1022.4	2898.5	
2000	194.3*	38.2*	225.6*	70.1	115.0	160.2	211.9	256.8	329.1	436.0	624.9	939.3	2402.3	
<b>All non-medical causes</b>														
1995	122.2*	64.5*	169.9*	150.8	173.3	180.8	198.1	182.5	152.7	151.1	159.6	201.9	385.9	
2000	104.3*	51.7*	145.2*	125.2	139.4	153.6	160.2	151.7	144.1	142.1	155.6	203.6	382.6	

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

## 1995, 2000: POLAND

## 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	—	—	—	—	—	—	—	—	—	—	—
0-34 Sm. Total	5931	685	15	6	664	23	171	342	30	3306	1374
35-69 Sm. Total	5626	1807	1383	142	282	317	78	2458	—	966	—
35-69 Sm. Total	49037	17695	2025	394	15276	585	588	19409	918	7264	2578
(11%) (10%) (68%) (36%) (2%) (54%) (13%) (13%)											
70+ Sm. Total	5231	1085	800	113	172	576	76	2758	—	736	—
70+ Sm. Total	125430	14788	1310	400	13078	1245	2325	80515	532	22674	3351
(4%) (7%) (61%) (28%) (1%) (46%) (3%) (3%)											
Any age Sm. Total	10857	2892	2183	255	454	893	154	5216	—	1702	—
Any age Sm. Total	180398	33168	3350	800	29018	1853	3084	100266	1480	33244	7303
(6%) (9%) (65%) (32%) (2%) (48%) (5%) (5%)											
<b>2000</b>											
0-34 Sm. Total	—	—	—	—	—	—	—	—	—	—	—
0-34 Sm. Total	4035	528	10	6	512	11	128	228	47	1972	1121
35-69 Sm. Total	5948	2196	1700	160	336	413	117	2205	—	1017	—
35-69 Sm. Total	44182	17787	2357	389	15041	710	772	15005	961	6520	2427
(13%) (12%) (72%) (41%) (2%) (58%) (15%) (15%)											
70+ Sm. Total	5832	1374	1033	112	229	765	161	2800	—	732	—
70+ Sm. Total	124421	18222	1651	372	16199	1574	4624	76496	563	19759	3183
(5%) (8%) (63%) (30%) (1%) (49%) (3%) (4%)											
Any age Sm. Total	11780	3570	2733	272	565	1178	278	5005	—	1749	—
Any age Sm. Total	172638	36537	4018	767	31752	2295	5524	91729	1571	28251	6731
(7%) (10%) (68%) (35%) (2%) (51%) (5%) (5%)											

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	19813	9763	8325	1603	1599	1321	883	987	993	939	755	396	575	
2000	19870	9408	8486	1302	1589	1577	1294	856	944	924	833	613	531	
<b>NUMBER OF DEATHS (Source: WHO)</b>														
<b>All causes</b>														
1995	180398	5931	49037	1853	3171	4224	4127	6806	11225	17631	23908	21811	79711	
2000	172638	4035	44182	1202	2700	4520	5719	5643	9310	15088	23034	30230	71157	
<b>Lung cancer</b>														
1995	3350	15	2025	35	124	216	244	310	493	603	587	327	396	
2000	4018	10	2357	29	120	284	419	360	487	658	635	553	463	
<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)														
1995	767.5*	65.8*	685.6*	115.6	198.3	319.7	467.6	689.4	1131.0	1877.4	3165.8	5513.4	13874.8	
2000	698.4*	48.1*	609.8*	92.3	169.9	286.6	442.0	659.2	986.0	1632.5	2766.8	4934.7	13398.0	
<b>All cancer</b>														
1995	155.9*	7.3*	245.1*	40.2	81.2	143.9	210.5	279.8	400.0	560.2	715.2	897.1	1016.2	
2000	158.8*	5.8*	242.1*	33.0	72.4	131.3	211.4	297.3	397.4	552.2	717.2	951.8	1208.8	
<b>Lung cancer</b>														
1995	16.2*	0.2*	28.5*	2.2	7.8	16.3	27.6	31.4	49.7	64.2	77.7	82.7	68.9	
2000	18.1*	0.1*	32.1*	2.2	7.6	18.0	32.4	42.1	51.6	71.2	76.3	90.3	87.2	
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>														
1995	3.7*	0.1*	5.5*	0.8	1.3	3.2	6.1	6.4	9.6	11.3	15.1	22.8	34.1	
2000	3.4*	0.1*	5.2*	0.3	2.2	2.9	6.0	8.2	8.7	13.6	16.5	29.7		
<b>Other cancer</b>														
1995	136.0*	7.1*	211.1*	37.2	72.1	124.4	176.8	242.0	340.8	484.7	622.4	791.7	913.1	
2000	137.3*	5.6*	204.8*	30.5	62.7	110.5	173.0	247.1	337.6	472.3	627.4	845.1	1091.9	
<b>Chronic obstructive pulmonary disease (COPD)</b>														
1995	8.0*	0.2*	8.4*	0.6	1.4	3.1	4.1	7.0	15.7	26.7	50.3	65.5	105.5	
2000	9.3*	0.1*	10.4*	0.7	0.9	2.3	6.0	12.9	16.1	33.7	54.1	74.3	126.0	
<b>Other respiratory disease</b>														
1995	12.8*	1.9*	8.1*	2.3	3.1	3.6	5.3	7.6	11.3	23.4	43.2	97.8	280.6	
2000	21.5*	1.5*	10.8*	2.1	3.0	4.1	5.8	11.8	15.3	33.8	63.4	154.8	592.7	
<b>Vascular disease</b>														
1995	407.2*	3.7*	279.3*	21.4	42.0	86.2	135.7	245.3	478.2	946.5	1844.8	3494.7	9183.3	
2000	353.2*	2.5*	215.7*	15.9	32.4	63.1	114.9	195.3	366.7	721.4	1448.8	2891.9	8796.6	
<b>Liver cirrhosis</b>														
1995	7.2*	0.3*	12.4*	3.9	5.9	7.8	14.2	11.2	19.8	24.0	27.9	32.4	33.6	
2000	7.3*	0.5*	12.4*	3.0	7.2	8.7	13.9	18.6	17.2	18.4	25.9	31.0	29.6	
<b>Other medical causes</b>														
1995	143.2*	38.0*	100.3*	22.6	36.1	46.2	65.9	106.8	169.4	255.2	411.4	788.2	2863.2	
2000	118.7*	26.1*	89.1*	17.3	29.5	46.4	62.3	94.9	138.1	235.1	400.2	714.2	2269.3	
<b>All non-medical causes</b>														
1995	33.3*	14.3*	31.9*	24.6	28.6	28.9	31.8	31.7	36.6	41.3	73.0	137.8	392.5	
2000	29.5*	11.6*	29.3*	20.4	24.4	30.8	27.7	28.5	35.4	38.1	57.2	116.7	375.1	

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

**POLAND: 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	– / 10	– / 4.0	–
35–69	37 / 95	5.9 / 44	22 years
70+	20 / 90	5.8 / 124	9 years
All ages	57 / 195	12 / 173	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	9.5/10	5.5/6.0	15/16	–/0.0	1.7/2.4	1.0/1.7	2.7/4.0
All Cancer	–/0.7	15/27 (55%)	8.2/20 (41%)	23/48	–/0.5	2.2/18 (12%)	1.4/18 ( 8%)	3.6/37
Vascular	–/0.6	13/35	7.2/48	21/84	–/0.2	2.2/15	2.8/76	5.0/92
Respiratory	–/0.2	2.2/3.5	3.1/6.8	5.3/10	–/0.1	0.5/1.5	0.9/6.2	1.5/7.8
All Other	–/8.5	6.2/30	1.8/15	8.0/53	–/3.1	1.0/9.9	0.7/24	1.7/37
All Causes	–/10	37/95 (38%)	20/90 (23%)	57/195	–/4.0	5.9/44 (13%)	5.8/124 ( 5%)	12/173

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

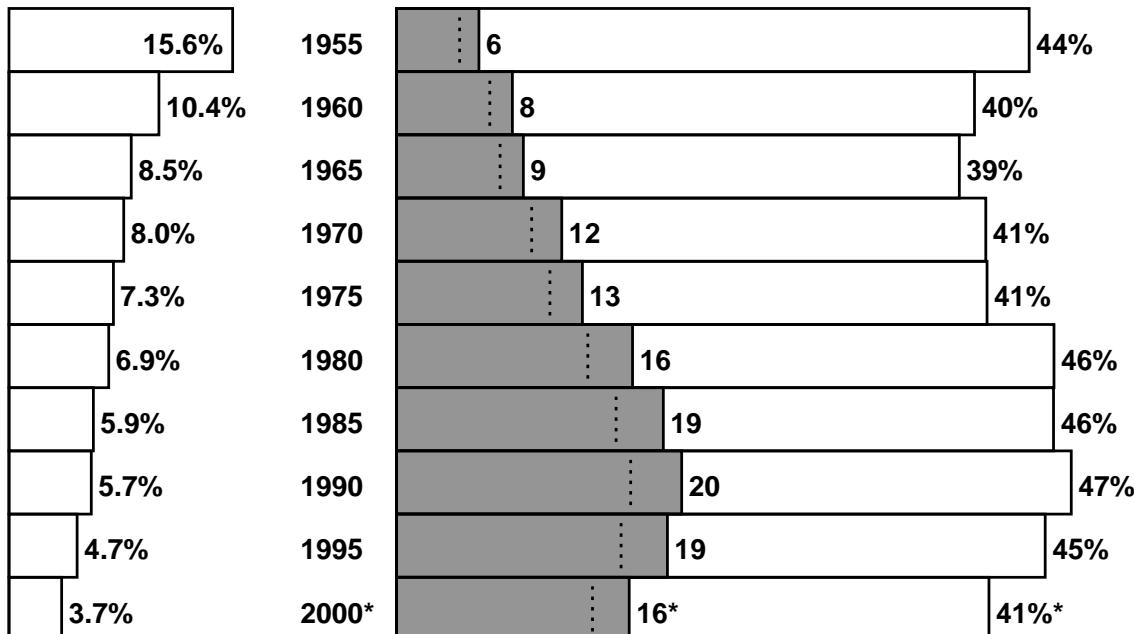
Cause	Male	Female	Male + Female
All Cancer	23 / 48 (48%)	3.6 / 37 (10%)	27 / 85 (31%)
All Causes	57 / 195 (29%)	12 / 173 ( 7%)	69 / 368 (19%)

**1955-2000: POLAND**

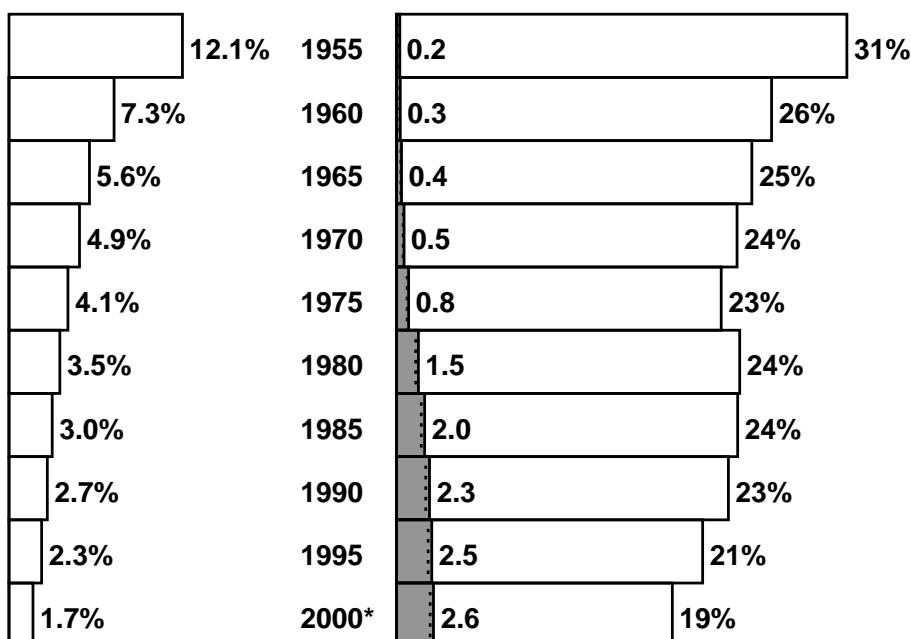
**Population risk of dying at ages 0–34**

**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, 41 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**

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

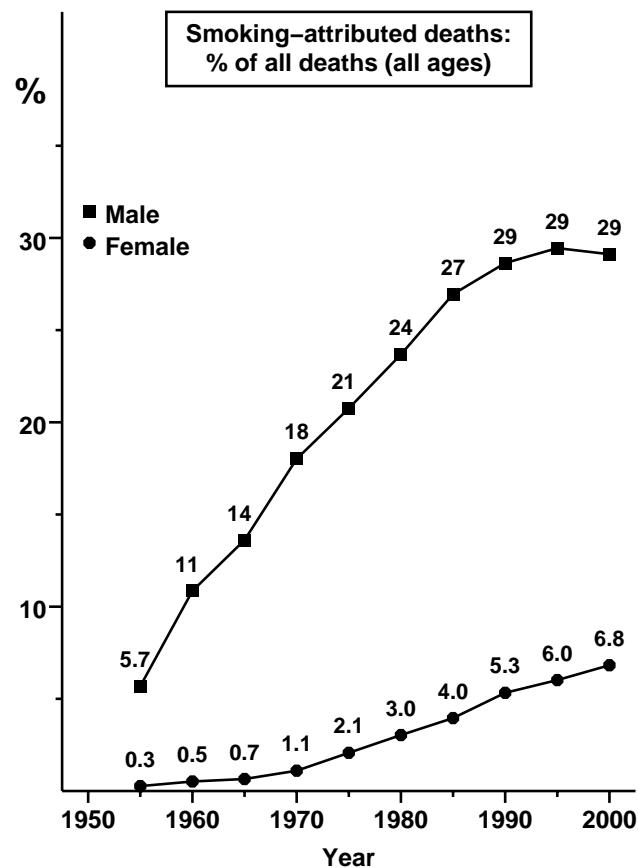
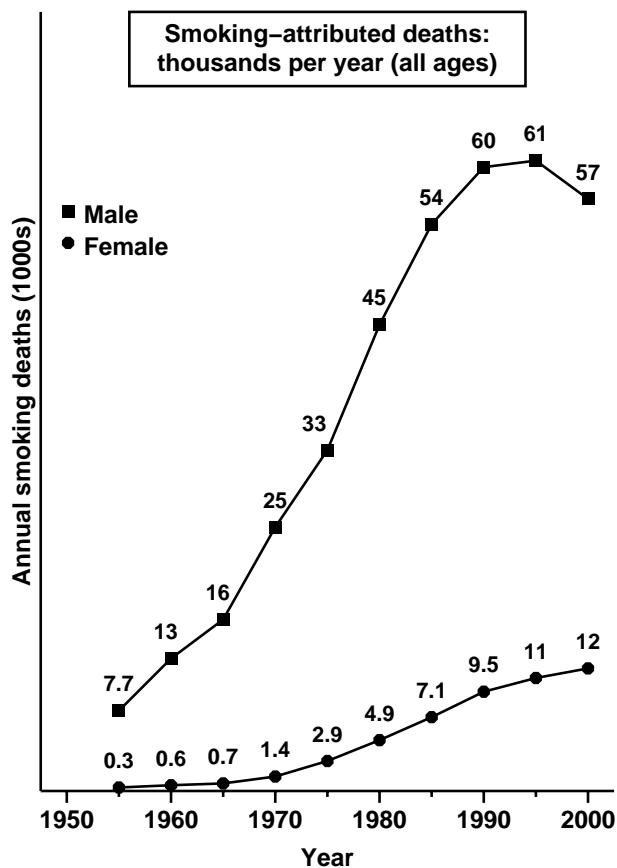
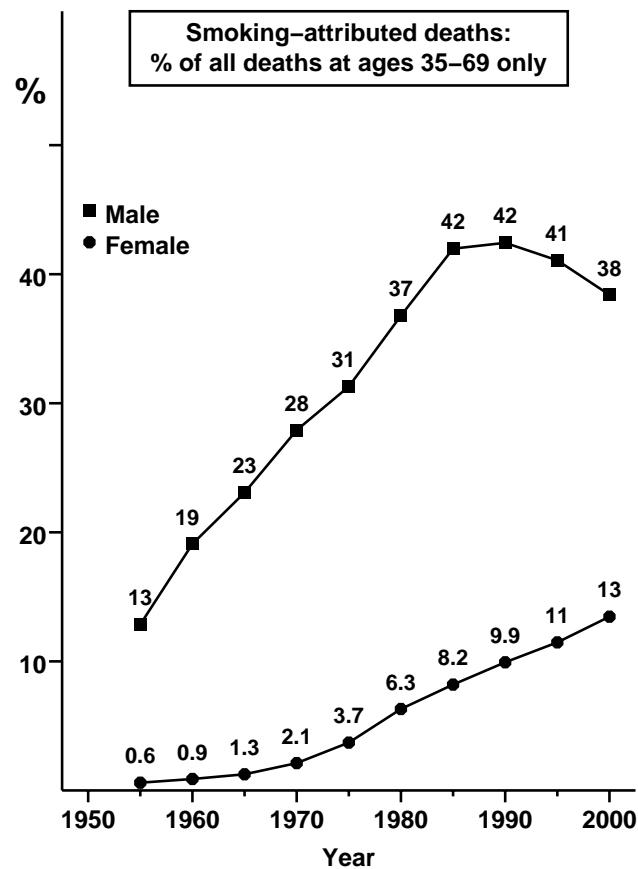
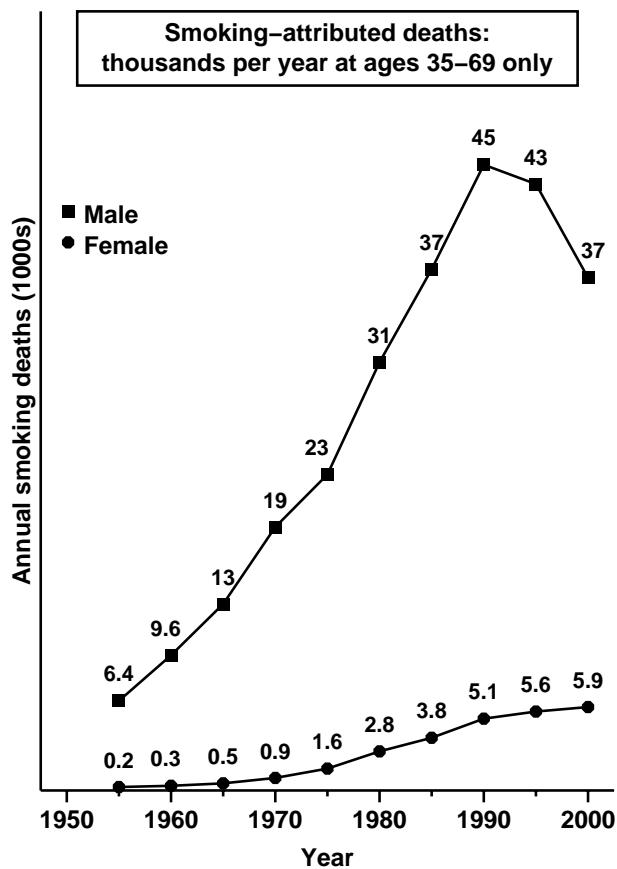
Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
<b>1950</b>	...	...	...	...	...	...	...	...
<b>1955</b>	-/54	6.4/50 <b>(13%)</b>	1.3/32 <b>( 4%)</b>	7.7/136	-/40	0.2/41 <b>(0.6%)</b>	0.1/45 <b>(0.2%)</b>	0.3/126
<b>1960</b>	-/34	9.6/50 <b>(19%)</b>	3.1/32 <b>(10%)</b>	13/117	-/24	0.3/38 <b>(0.9%)</b>	0.2/46 <b>(0.5%)</b>	0.6/107
<b>1965</b>	-/24	13/58 <b>(23%)</b>	3.2/39 <b>( 8%)</b>	16/121	-/15	0.5/41 <b>( 1%)</b>	0.2/55 <b>(0.4%)</b>	0.7/111
<b>1970</b>	-/22	19/67 <b>(28%)</b>	6.6/52 <b>(13%)</b>	25/141	-/13	0.9/42 <b>( 2%)</b>	0.5/71 <b>(0.7%)</b>	1.4/126
<b>1975</b>	-/22	23/72 <b>(31%)</b>	10/64 <b>(16%)</b>	33/158	-/11	1.6/42 <b>( 4%)</b>	1.3/85 <b>( 2%)</b>	2.9/139
<b>1980</b>	-/23	31/83 <b>(37%)</b>	14/83 <b>(17%)</b>	45/189	-/11	2.8/44 <b>( 6%)</b>	2.1/106 <b>( 2%)</b>	4.9/161
<b>1985</b>	-/20	37/89 <b>(42%)</b>	17/94 <b>(18%)</b>	54/202	-/9.8	3.8/46 <b>( 8%)</b>	3.3/124 <b>( 3%)</b>	7.1/179
<b>1990</b>	-/18	45/105 <b>(42%)</b>	15/87 <b>(18%)</b>	60/209	-/7.8	5.1/52 <b>(10%)</b>	4.4/120 <b>( 4%)</b>	9.5/179
<b>1995</b>	-/13	43/105 <b>(41%)</b>	17/87 <b>(20%)</b>	61/206	-/5.9	5.6/49 <b>(11%)</b>	5.2/125 <b>( 4%)</b>	11/180
<b>2000</b>	-/10	37/95 <b>(38%)</b>	20/90 <b>(23%)</b>	57/195	-/4.0	5.9/44 <b>(13%)</b>	5.8/124 <b>( 5%)</b>	12/173

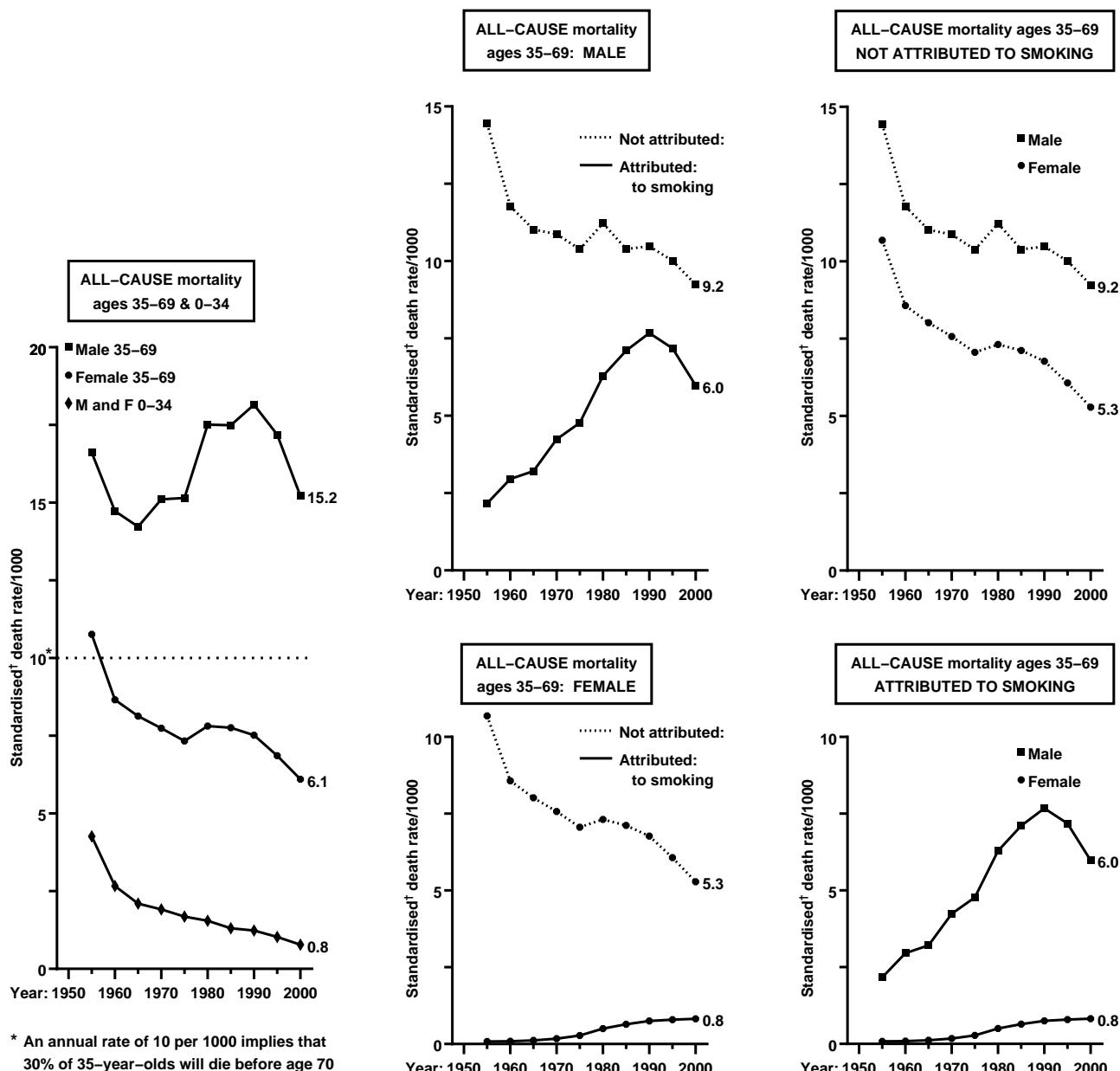
**50-year total\* (M=millions), mid-1950 to mid-2000: 1.9/ 16M****1950-2000 by age & sex:**

-/1.3M <b>(33%)</b>	1.2/3.7M <b>(16%)</b>	0.5/3.2M	1.7/8.2M	-/0.8M	0.1/2.2M <b>( 5%)</b>	0.1/4.3M <b>( 2%)</b>	0.2/7.4M
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 &amp; 1995

## 1955-2000: POLAND



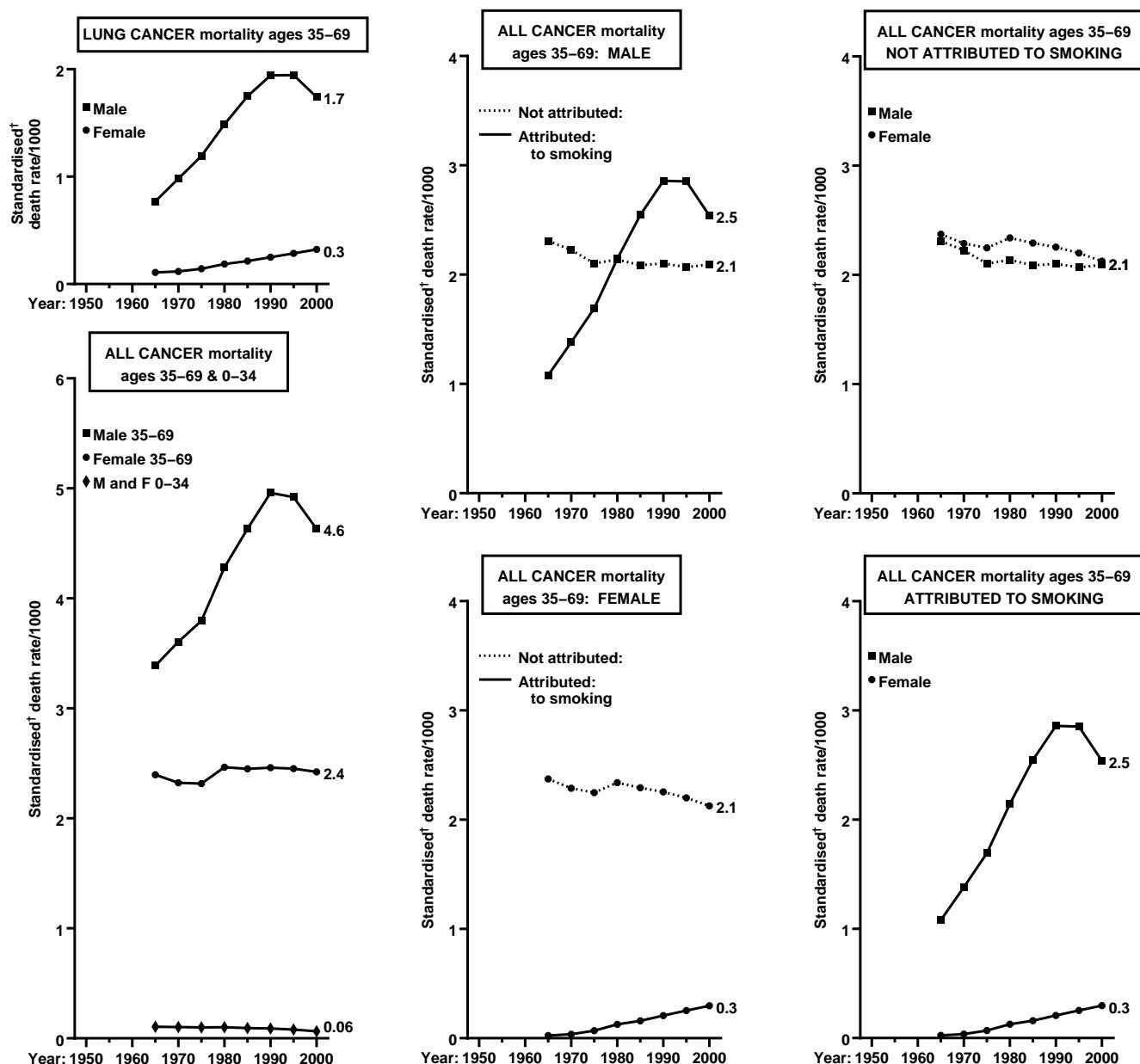
**POLAND: 1955-2000****ALL-CAUSE mortality rates attributed and not attributed to smoking**

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		-	4.84	2.16	14.4	3.80	77.6	-	3.68	0.08	10.7	0.17	66.8		
1960		-	3.15	2.95	11.8	8.01	69.1	-	2.17	0.09	8.57	0.35	55.8		
1965		-	2.54	3.21	11.0	6.83	69.6	-	1.65	0.11	8.01	0.31	54.6		
1970		-	2.38	4.24	10.9	10.9	67.0	-	1.44	0.17	7.57	0.52	51.4		
1975		-	2.16	4.77	10.4	13.7	66.5	-	1.20	0.27	7.06	0.94	50.5		
1980		-	2.06	6.29	11.2	15.2	66.3	-	1.03	0.50	7.31	1.24	48.4		
1985		-	1.73	7.10	10.4	17.4	66.0	-	0.87	0.64	7.12	1.62	48.6		
1990		-	1.69	7.67	10.5	16.7	62.0	-	0.77	0.75	6.77	2.26	44.7		
1995		-	1.39	7.18	10.0	16.6	56.3	-	0.66	0.79	6.07	2.34	41.1		
2000		-	1.07	5.97	9.24	17.1	50.3	-	0.48	0.82	5.28	2.25	36.3		

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

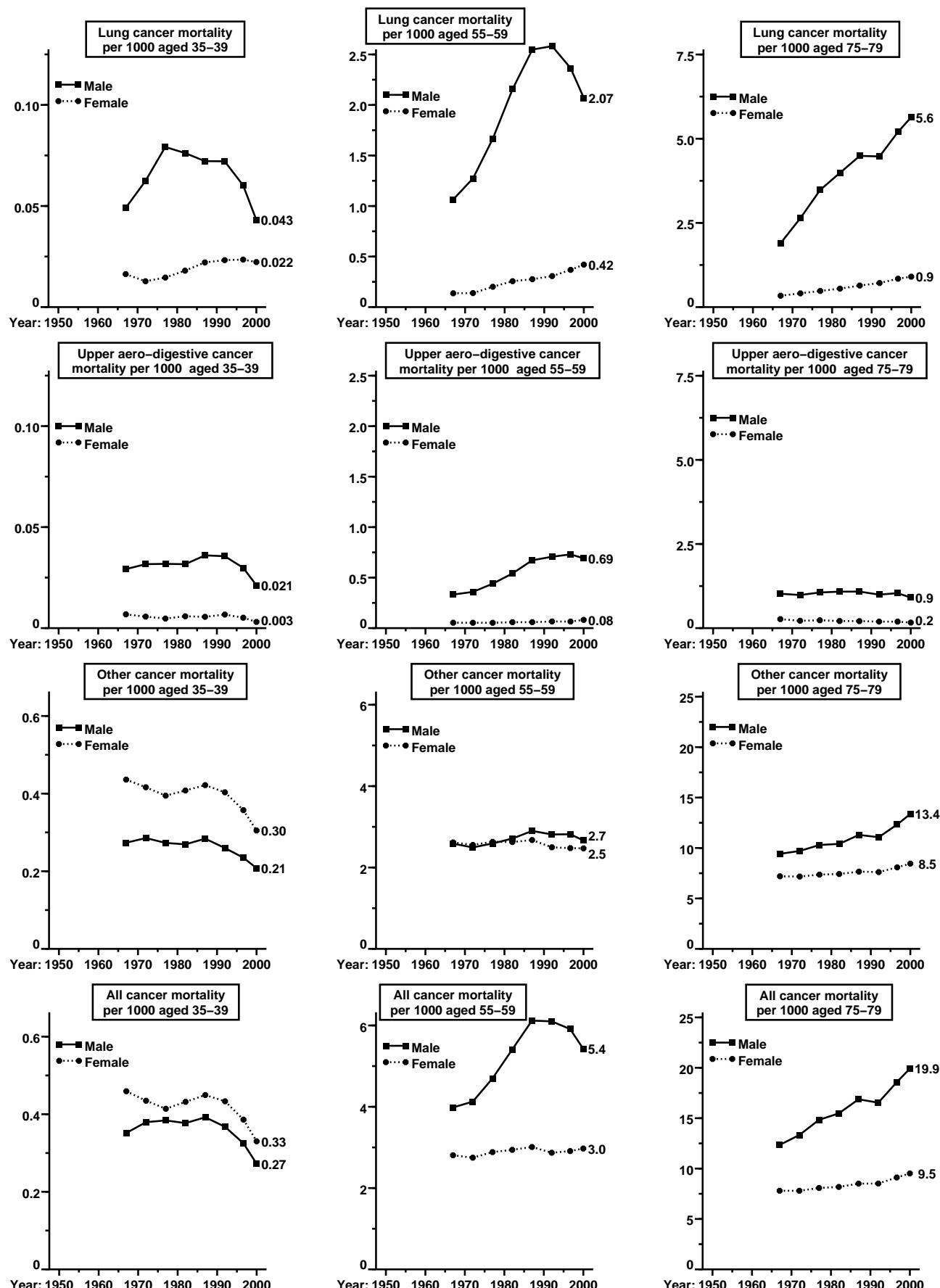
1965-2000: POLAND

## ALL CANCER mortality rates attributed and not attributed to smoking

<sup>†</sup> 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		...	...	...	...	...	...	...	...	...	...	...	...	...			
1960		...	...	...	...	...	...	...	...	...	...	...	...	...			
1965	-	0.11		1.08	2.31		2.25	9.52		-	0.10		0.02	2.37		0.06	7.84
1970	-	0.11		1.38	2.22		3.07	9.17		-	0.10		0.04	2.29		0.08	7.14
1975	-	0.10		1.69	2.10		4.47	9.44		-	0.09		0.07	2.25		0.18	7.33
1980	-	0.10		2.14	2.14		5.08	9.31		-	0.10		0.13	2.34		0.25	6.94
1985	-	0.10		2.55	2.09		5.85	9.55		-	0.09		0.16	2.29		0.34	7.23
1990	-	0.10		2.86	2.10		6.30	9.53		-	0.08		0.21	2.25		0.56	7.38
1995	-	0.08		2.85	2.07		6.99	9.76		-	0.07		0.25	2.20		0.64	7.42
2000	-	0.07		2.54	2.09		7.74	10.5		-	0.06		0.30	2.13		0.67	7.67

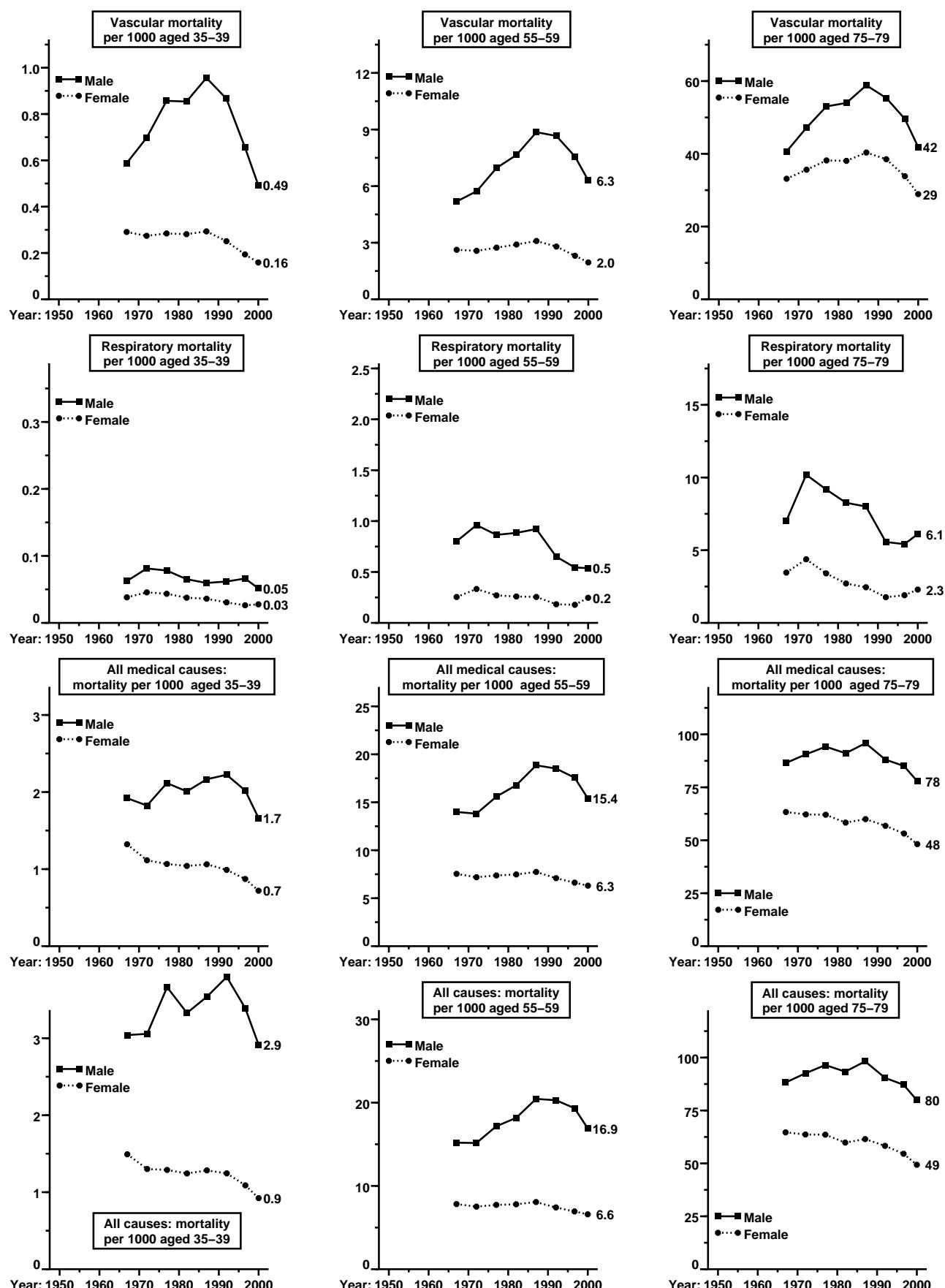
0–34 and 35–69 = means of 7 age-specific rates; 70–79 = mean of 2 rates (70–74 &amp; 75–79)

**POLAND: 1965-2000****Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**

\* Annual mortality per 1000: averages of years available in 1965-69,...,1995-99; then year 2000 separately

## 1965-2000: POLAND

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



\* Annual mortality per 1000: averages of years available in 1965-69,...,1995-99; then year 2000 separately