

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

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MALTA

Raw data (pages 314–15, 316–17)

Analyses (pages 318–19, 320–21, 322–23)

Appendix (pages 324–25)

MALTA: 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	1513	49	474	843.2	52.2	745.6	132.2	14.7	13.6	39.7	65.4	57.6	42.0	
ALL CAUSES	F	1460	32	318	550.8	37.7	428.5	122.8	15.6	7.2	27.8	7.0	30.5	53.1	
Tuberculosis	M	1	-	-	0.5	-	-	-	-	-	-	-	-	-	
	F	2	-	1	0.8	-	1.6	-	-	-	-	-	-	-	
HIV	M	1	-	1	0.5	-	1.0	-	-	-	-	-	-	-	
	F	1	1	-	0.6	1.3	-	-	-	-	-	-	-	8.8	
Other infective and parasitic	M	9	2	2	5.5	2.2	3.7	8.3	7.4	-	-	-	-	-	
	F	10	1	2	3.8	1.0	2.5	-	-	6.9	-	-	-	-	
ALL CANCER	M	360	-	169	199.2	-	264.1	-	-	-	-	-	-	-	
	F	349	3	156	144.3	3.6	204.1	-	7.8	-	-	-	-	17.7	
Mouth and pharynx cancer	M	7	-	4	3.7	-	4.7	-	-	-	-	-	-	-	
	F	5	-	2	1.9	-	2.5	-	-	-	-	-	-	-	
Oesophagus cancer	M	4	-	2	2.2	-	2.7	-	-	-	-	-	-	-	
	F	1	-	-	0.3	-	-	-	-	-	-	-	-	-	
Stomach cancer	M	23	-	12	12.9	-	19.7	-	-	-	-	-	-	-	
	F	15	-	5	6.1	-	7.2	-	-	-	-	-	-	-	
Colorectal cancer	M	39	-	23	22.1	-	38.3	-	-	-	-	-	-	-	
	F	46	-	15	18.1	-	17.7	-	-	-	-	-	-	-	
Liver cancer	M	3	-	2	1.5	-	2.9	-	-	-	-	-	-	-	
	F	3	-	1	1.2	-	1.5	-	-	-	-	-	-	-	
Pancreas cancer	M	18	-	10	9.7	-	15.7	-	-	-	-	-	-	-	
	F	25	-	12	10.4	-	16.7	-	-	-	-	-	-	-	
Larynx cancer	M	3	-	-	1.5	-	-	-	-	-	-	-	-	-	
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Lung cancer	M	94	-	49	52.5	-	78.0	-	-	-	-	-	-	-	
	F	27	-	12	11.3	-	15.0	-	-	-	-	-	-	-	
Malignant melanoma	M	3	-	2	1.6	-	3.0	-	-	-	-	-	-	-	
	F	2	-	2	1.0	-	2.2	-	-	-	-	-	-	-	
Female breast cancer	F	102	2	56	44.3	2.5	70.5	-	-	-	-	-	-	17.7	
Cervix cancer	F	5	-	3	2.2	-	4.1	-	-	-	-	-	-	-	
Other uterine cancer	F	7	-	3	2.9	-	4.1	-	-	-	-	-	-	-	
Ovarian cancer	F	19	-	10	8.3	-	14.1	-	-	-	-	-	-	-	
Prostate cancer	M	38	-	4	21.2	-	6.3	-	-	-	-	-	-	-	
Bladder cancer	M	20	-	8	11.1	-	13.7	-	-	-	-	-	-	-	
	F	3	-	1	1.1	-	1.6	-	-	-	-	-	-	-	
Other and ill-defined cancer sites	M	74	-	39	40.7	-	60.1	-	-	-	-	-	-	-	
	F	61	-	26	24.4	-	35.1	-	-	-	-	-	-	-	
Hodgkin's disease	M	1	-	-	0.5	-	-	-	-	-	-	-	-	-	
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Myeloma and non-Hodgkin lymphomas	M	20	-	11	10.9	-	15.4	-	-	-	-	-	-	-	
	F	16	-	2	5.7	-	2.4	-	-	-	-	-	-	-	
Leukaemia	M	13	-	3	7.0	-	3.6	-	-	-	-	-	-	-	
	F	12	1	6	5.0	1.1	9.4	-	7.8	-	-	-	-	-	
Diabetes	M	31	1	9	16.8	1.0	16.1	-	-	-	-	-	7.2	-	
	F	51	1	7	18.5	1.3	10.0	-	-	-	-	-	-	8.8	
ALL VASCULAR DISEASE	M	686	3	189	384.1	3.4	313.4	8.3	-	-	-	-	7.2	8.4	
	F	702	-	102	251.9	-	146.0	-	-	-	-	-	-	-	
Rheumatic heart disease and fever	M	3	1	2	1.8	1.2	3.7	8.3	-	-	-	-	-	-	
	F	2	-	1	0.9	-	1.6	-	-	-	-	-	-	-	
Hypertensive disease	M	8	1	4	4.6	1.2	6.4	-	-	-	-	-	-	8.4	
	F	9	-	6	4.0	-	8.6	-	-	-	-	-	-	-	
Ischaemic heart disease	M	397	-	127	221.2	-	208.8	-	-	-	-	-	-	-	
	F	333	-	55	121.2	-	80.1	-	-	-	-	-	-	-	
Pulmonary embolism and other venous disease	M	10	-	4	5.7	-	7.0	-	-	-	-	-	-	-	
	F	14	-	5	5.6	-	5.9	-	-	-	-	-	-	-	
Cerebrovascular disease	M	136	1	26	75.1	1.0	43.8	-	-	-	-	-	7.2	-	
	F	183	-	24	64.8	-	34.4	-	-	-	-	-	-	-	
Other vascular disease	M	132	-	26	75.7	-	43.7	-	-	-	-	-	-	-	
	F	161	-	11	55.4	-	15.5	-	-	-	-	-	-	-	
Chronic obstructive pulmonary disease	M	73	1	16	40.6	1.0	24.3	-	-	-	-	-	7.2	-	
	F	23	1	6	8.8	1.1	8.5	-	-	-	-	-	7.6	-	
Other respiratory disease	M	106	-	14	60.9	-	21.4	-	-	-	-	-	-	-	
	F	89	-	6	30.2	-	7.7	-	-	-	-	-	-	-	
Peptic ulcer	M	11	-	3	6.4	-	4.3	-	-	-	-	-	-	-	
	F	11	-	1	3.9	-	1.3	-	-	-	-	-	-	-	
Liver cirrhosis	M	11	-	7	5.9	-	9.0	-	-	-	-	-	-	-	
	F	3	-	1	1.1	-	0.9	-	-	-	-	-	-	-	
Renal disease	M	32	1	7	18.4	1.2	11.3	-	-	-	-	-	-	8.4	
	F	22	-	3	8.0	-	4.4	-	-	-	-	-	-	-	
Pregnancy, birth and congenital and perinatal causes	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ill-defined causes	M	13	13	-	8.4	15.2	-	99.2	-	-	-	-	7.2	-	
	F	13	11	1	8.7	13.8	1.3	96.5	-	-	-	-	-	-	
Other medical causes	M	95	6	25	52.3	6.3	40.7	16.5	7.4	-	-	13.1	7.2	-	
	F	140	7	24	52.4	8.3	30.8	17.5	7.8	7.2	-	7.6	17.7	-	
ALL NON-MEDICAL CAUSES	M	70	22	31	35.6	21.8	35.3	-	-	13.6	39.7	52.3	21.6	25.2	
	F	35	6	7	14.3	6.2	7.9	-	-	-	20.8	7.0	15.3	-	
Road traffic accidents	M	13	9	2	6.3	8.8	2.0	-	-	6.8	19.9	19.6	7.2	8.4	
	F	4	2	-	1.6	2.0	-	-	-	-	13.9	-	-	-	
Fire	M	1	-	-	0.5	-	-	-	-	-	-	-	-	-	
	F	-	-	-	-	-	-	-	-	-	-	-	-	-	
Suicide	M	17	3	11	8.6	3.3	11.1	-	-	-	6.6	-	-	16.8	
	F	6	2	4	3.1	2.2	4.3	-	-	-	-	-	15.3	-	
Homicide	M	2	-	1	0.9	-	0.9	-	-	-	-	-	-	-	
	F	2	-	2	1.0	-	2.5	-	-	-	-	-	-	-	
POPULATION: (1000s; UN, 2004 revision)	M=male				194.1	96.6	84.5	12.1	13.6	14.7	15.1	15.3	13.9	11.9	
	F=female				197.8	91.2	87.1	11.4	12.8	13.9	14.4	14.3	13.1	11.3	

2000: MALTA

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				
87.6	106.0	244.8	385.6	695.2	1164.7	2535.2	4500.0	6238.1	14875.0	M	ALL CAUSES	001-999/A00-Y89	
61.1	67.1	170.2	333.3	401.8	718.8	1247.2	2391.9	4355.9	10903.2	F	Tuberculosis	010-018, 137/ A15-A19, B90	
-	-	-	-	-	-	-	-	23.8	-	M	HIV	279.5, 279.6/B20-B24	
-	-	7.0	-	-	-	11.2	-	-	16.1	F	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34	
-	-	-	-	-	11.8	14.1	-	-	156.3	M			
-	-	-	6.5	-	11.2	-	27.0	16.9	64.5	F			
7.3	39.7	90.9	111.1	323.8	529.4	746.5	1250.0	1142.9	2281.3	M	ALL CANCER	140-208/C00-C97	
30.5	40.3	85.1	215.7	196.4	343.8	516.9	743.2	1050.8	1177.4	F			
7.3	-	7.0	6.5	-	11.8	-	17.9	23.8	31.3	M	Mouth and pharynx cancer	140-149/C00-C14	
-	-	-	6.5	-	-	11.2	-	50.8	-	F	Oesophagus cancer	150/C15	
-	-	-	-	19.0	-	-	35.7	-	-	M			
-	-	-	-	-	-	-	-	16.9	-	F			
-	-	-	13.1	19.0	35.3	70.4	53.6	47.6	187.5	M	Stomach cancer	151/C16	
-	-	-	-	17.9	10.4	22.5	54.1	50.8	48.4	F			
-	6.6	-	-	66.7	82.4	112.7	142.9	47.6	187.5	M	Colorectal cancer	153, 154/C18-C21	
-	-	14.2	32.7	44.6	20.8	11.2	81.1	186.4	225.8	F			
-	-	-	6.5	-	-	14.1	-	23.8	-	M	Liver cancer	155.0/C22 excl C221	
-	-	-	-	10.4	-	-	-	-	32.3	F			
-	6.6	-	6.5	19.0	35.3	42.3	107.1	47.6	-	M	Pancreas cancer	157/C25	
-	-	-	19.6	8.9	20.8	67.4	81.1	33.9	80.6	F			
-	-	-	-	-	-	-	35.7	23.8	-	M	Larynx cancer	161/C32	
-	13.2	35.0	19.6	66.7	200.0	211.3	267.9	238.1	625.0	M	Lung cancer	162/C33, C34	
7.6	-	14.2	19.6	8.9	20.8	33.7	94.6	67.8	64.5	F			
-	-	7.0	-	-	14.1	-	17.9	-	-	M	Malignant melanoma	172/C43	
-	-	-	6.5	8.9	-	-	-	-	-	F			
22.9	26.8	28.4	85.0	80.4	104.2	146.1	229.7	220.3	225.8	F	Female breast cancer	174/C50	
-	-	7.1	-	-	10.4	11.2	13.5	16.9	-	F	Cervix cancer	180/C53	
-	6.7	-	-	-	10.4	11.2	27.0	33.9	-	F	Other uterine cancer	179, 182/C54, C55	
-	-	14.2	-	8.9	41.7	33.7	67.6	33.9	32.3	F	Ovarian cancer	183/C56, C570-C574	
-	-	-	6.5	-	23.5	14.1	160.7	238.1	468.8	M	Prostate cancer	185/C61	
-	-	-	6.5	9.5	23.5	56.3	53.6	95.2	156.3	M	Bladder cancer	188/C67	
-	-	-	-	-	-	11.2	-	16.9	16.1	F			
-	6.6	28.0	32.7	85.7	70.6	197.2	196.4	238.1	437.5	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97	
6.7	7.1	39.2	17.9	62.5	112.4	-	81.1	186.4	290.3	F	Hodgkin's disease	201/C81	
-	-	-	-	-	-	-	17.9	-	-	F			
-	-	7.0	13.1	38.1	35.3	14.1	53.6	71.4	93.8	M	Myeloma and non-Hodgkin lymphomas	200, 202-203/ C82-C90, C96	
-	-	-	6.5	-	10.4	-	13.5	84.7	129.0	F			
-	6.6	7.0	-	-	11.8	-	89.3	47.6	93.8	M	Leukaemia	204-208/C91-C95	
-	-	-	-	-	20.8	44.9	-	50.8	32.3	F			
-	-	7.0	-	9.5	11.8	84.5	71.4	238.1	218.8	M	Diabetes	250/E10-E14	
-	-	-	6.5	8.9	20.8	33.7	81.1	169.5	435.5	F			
29.2	26.5	62.9	143.8	200.0	435.3	1295.8	2053.6	3214.3	7625.0	M	ALL VASCULAR DISEASE	390-459/I00-I99	
15.3	20.1	35.5	39.2	133.9	250.0	528.1	1108.1	2271.2	6193.5	F	Rheumatic heart disease and fever	390-398/I00-I09	
-	-	-	-	-	11.8	14.1	-	-	-	M			
-	-	7.0	-	-	11.2	-	13.5	-	-	F	Hypertensive disease	401-405/I10-I15	
-	-	7.1	-	9.5	-	28.2	17.9	-	62.5	M			
-	-	7.1	-	8.9	10.4	33.7	13.5	16.9	16.1	F			
14.6	13.2	35.0	104.6	161.9	329.4	802.8	1214.3	1833.3	3906.3	M	Ischaemic heart disease	410-414/I20-I25	
-	13.4	7.1	13.1	89.3	145.8	292.1	594.6	1203.4	2629.0	F			
-	-	-	6.5	-	-	42.3	-	23.8	156.3	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-I82	
-	6.7	14.2	-	8.9	-	11.2	40.5	33.9	64.5	F			
7.3	-	14.0	19.6	19.0	35.3	211.3	482.1	857.1	1437.5	M	Cerebrovascular disease	430-438/I60-I69	
7.6	-	7.1	19.6	8.9	62.5	134.8	243.2	610.2	1693.5	F			
7.3	13.2	7.0	13.1	9.5	58.8	197.2	339.3	500.0	2062.5	M	Other vascular disease	Rest of 390-459/ rest of I00-I99	
7.6	-	-	6.5	17.9	31.3	44.9	202.7	406.8	1790.3	F			
-	-	7.0	19.6	28.6	58.8	56.3	339.3	309.5	750.0	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67	
-	-	-	6.5	8.9	10.4	33.7	40.5	16.9	193.5	F			
-	6.6	14.0	6.5	28.6	23.5	70.4	375.0	381.0	1718.8	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98	
-	-	14.2	6.5	-	10.4	22.5	54.1	186.4	1096.8	F			
-	-	6.6	-	-	23.5	-	17.9	23.8	187.5	M	Peptic ulcer	531-533/K25-K27	
-	-	-	-	8.9	-	-	13.5	50.8	96.8	F			
-	6.6	7.0	6.5	28.6	-	14.1	35.7	23.8	31.3	M	Liver cirrhosis	571/K70, K74	
-	-	-	6.5	-	-	-	-	-	32.3	F			
-	-	7.0	6.5	9.5	-	56.3	71.4	95.2	500.0	M	Renal disease	580-590/N00-N19	
-	-	-	-	8.9	10.4	11.2	40.5	118.6	145.2	F			
-	-	-	-	-	-	-	-	-	-	F	Pregnancy, birth and perinatal causes	630-676/A34,000-O99 740-779/A33, P00-P96, Q00-Q99	
-	6.6	-	-	-	-	-	35.7	47.6	281.3	M	III-defined causes	780-799/R00-R99	
-	-	-	7.0	26.1	47.6	35.3	178.6	595.2	906.3	M	Other medical causes	Rest of 001-799/ rest of A00-R99	
-	6.7	21.3	39.2	17.9	52.1	78.7	175.7	389.8	1177.4	F			
51.1	13.2	35.0	65.4	19.0	35.3	28.2	71.4	142.9	218.8	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89	
15.3	-	14.2	6.5	8.9	10.4	-	81.1	67.8	193.5	F			
7.3	-	-	6.5	-	-	-	17.9	23.8	-	M	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850	
-	-	-	-	-	-	-	-	-	32.3	F			
-	-	-	-	-	-	-	17.9	-	-	M	Fire	E890-E899/X00-X09	
-	-	-	-	-	-	-	-	-	-	F			
21.9	-	7.0	39.2	9.5	-	-	17.9	23.8	31.3	M	Suicide	E950-E959/X60-X84	
7.6	-	7.1	6.5	8.9	-	-	-	-	-	F			
-	-	-	6.5	-	-	-	-	23.8	-	M	Homicide	E960-E969/ X85-X99, Y00-Y09	
13.7	15.1	14.3	15.3	10.5	8.5	7.1	5.6	4.2	3.2	M	POPULATION		
13.1	14.9	14.1	15.3	11.2	9.6	8.9	7.4	5.9	6.2	F	(1000s; UN, 2004 revision)		

MALTA: 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	86	9	0	0	9	0	1	6	1	40	29
35-69	Sm.	141	77	52	11	14	10	2	38	—	14	—
	Total	442	183	57	17	109	13	10	152	8	51	25
		(32%)	(42%)	(91%)	(65%)	(13%)	(77%)	(20%)	(25%)		(27%)	
70+	Sm.	171	69	44	7	18	46	6	38	—	12	—
	Total	839	215	50	13	152	63	55	368	2	121	15
		(20%)	(32%)	(88%)	(54%)	(12%)	(73%)	(11%)	(10%)		(10%)	
Any age	Sm.	312	146	96	18	32	56	8	76	—	26	—
	Total	1367	407	107	30	270	76	66	526	11	212	69
		(23%)	(36%)	(90%)	(60%)	(12%)	(74%)	(12%)	(14%)		(12%)	
2000												
0-34	Sm.	—	—	—	—	—	—	—	—	—	—	—
	Total	49	0	0	0	0	1	0	3	0	23	22
35-69	Sm.	116	58	44	2	12	12	3	35	—	8	—
	Total	474	169	49	6	114	16	14	189	7	48	31
		(24%)	(34%)	(90%)	(33%)	(11%)	(75%)	(21%)	(19%)		(17%)	
70+	Sm.	127	49	37	3	9	32	7	31	—	8	—
	Total	990	191	45	8	138	56	92	494	4	136	17
		(13%)	(26%)	(82%)	(38%)	(7%)	(57%)	(8%)	(6%)		(6%)	
Any age	Sm.	243	107	81	5	21	44	10	66	—	16	—
	Total	1513	360	94	14	252	73	106	686	11	207	70
		(16%)	(30%)	(86%)	(36%)	(8%)	(60%)	(9%)	(10%)		(8%)	

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	187.0	97.0	78.1	15.0	14.3	15.3	10.7	8.8	7.6	6.4	5.5	3.4	3.0	
2000	194.1	96.6	84.5	13.7	15.1	14.3	15.3	10.5	8.5	7.1	5.6	4.2	3.2	
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995	1367	86	442	18	19	42	42	72	96	153	206	187	446	
2000	1513	49	474	12	16	35	59	73	99	180	252	262	476	
Lung cancer														
1995	107	—	57	1	2	4	7	9	12	22	11	18	21	
2000	94	—	49	—	2	5	3	7	17	15	15	10	20	
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	839.1*	91.2*	770.3*	120.0	132.9	274.5	392.5	818.2	1263.2	2390.6	3745.5	5500.0	14866.7	
2000	843.2*	52.2*	745.6*	87.6	106.0	244.8	385.6	695.2	1164.7	2535.2	4500.0	6238.1	14875.0	
All cancer														
1995	248.5*	9.5*	314.9*	53.3	49.0	137.3	140.2	352.3	565.8	906.3	1072.7	1735.3	3233.3	
2000	199.2*	—	264.1*	7.3	39.7	90.9	111.1	323.8	529.4	746.5	1250.0	1142.9	2281.3	
Lung cancer														
1995	66.2*	—	102.3*	6.7	14.0	26.1	65.4	102.3	157.9	343.8	200.0	529.4	700.0	
2000	52.5*	—	78.0*	—	13.2	35.0	19.6	66.7	200.0	211.3	267.9	238.1	625.0	
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995	18.2*	—	29.5*	—	14.0	13.1	9.3	34.1	26.3	109.4	72.7	117.6	166.7	
2000	7.4*	—	7.4*	7.3	—	7.0	6.5	19.0	11.8	—	89.3	47.6	31.3	
Other cancer														
1995	164.1*	9.5*	183.1*	46.7	21.0	98.0	65.4	215.9	381.6	453.1	800.0	1088.2	2366.7	
2000	139.2*	—	178.8*	—	26.5	49.0	85.0	238.1	317.6	535.2	892.9	857.1	1625.0	
Chronic obstructive pulmonary disease (COPD)														
1995	47.5*	—	25.8*	—	—	6.5	9.3	—	39.5	125.0	181.8	500.0	1200.0	
2000	40.6*	1.0*	24.3*	—	—	7.0	19.6	28.6	58.8	56.3	339.3	309.5	750.0	
Other respiratory disease														
1995	42.0*	1.2*	19.5*	—	—	—	—	45.5	13.2	78.1	163.6	264.7	1233.3	
2000	60.9*	—	21.4*	—	6.6	14.0	6.5	28.6	23.5	70.4	375.0	381.0	1718.8	
Vascular disease														
1995	325.6*	6.3*	273.8*	6.7	49.0	58.8	168.2	261.4	513.2	859.4	1781.8	2411.8	6266.7	
2000	384.1*	3.4*	313.4*	29.2	26.5	62.9	143.8	200.0	435.3	1295.8	2053.6	3214.3	7625.0	
Liver cirrhosis														
1995	6.6*	1.1*	13.5*	6.7	7.0	—	9.3	11.4	13.2	46.9	—	29.4	33.3	
2000	5.9*	—	9.0*	—	6.6	7.0	6.5	28.6	—	14.1	35.7	23.8	31.3	
Other medical causes														
1995	130.7*	42.9*	91.0*	33.3	14.0	13.1	28.0	102.3	118.4	328.1	490.9	470.6	2600.0	
2000	116.9*	26.0*	78.1*	—	13.2	28.0	32.7	66.7	82.4	323.9	375.0	1023.8	2250.0	
All non-medical causes														
1995	38.1*	30.3*	31.8*	20.0	14.0	58.8	37.4	45.5	—	46.9	54.5	88.2	300.0	
2000	35.6*	21.8*	35.3*	51.1	13.2	35.0	65.4	19.0	35.3	28.2	71.4	142.9	218.8	

1995, 2000: MALTA

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	32	6	0	0	6	1	0	1	0	23	1
35-69 Sm.	0	0	0	0	0	0	0	0	—	0	—
Total	289	131	2	2	127	6	6	93	5	38	10
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
70+ Sm.	0	0	0	0	0	0	0	0	—	0	—
Total	1020	173	7	4	162	12	61	541	2	216	15
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Any age Sm.	0	0	0	0	0	0	0	0	—	0	—
Total	1341	310	9	6	295	19	67	635	7	277	26
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
2000											
0-34 Sm.	—	—	—	—	—	—	—	—	—	—	—
Total	32	3	0	0	3	1	0	0	0	22	6
35-69 Sm.	10	4	4	0	0	1	0	4	—	1	—
Total	318	156	12	2	142	6	6	102	1	40	7
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
70+ Sm.	41	11	9	1	1	6	1	17	—	6	—
Total	1110	190	15	4	171	16	83	600	2	197	22
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
Any age Sm.	51	15	13	1	1	7	1	21	—	7	—
Total	1460	349	27	6	316	23	89	702	3	259	35
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)

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	190.7	91.7	82.2	14.7	14.0	15.3	11.2	9.7	9.3	8.0	6.9	4.5	5.4	
2000	197.8	91.2	87.1	13.1	14.9	14.1	15.3	11.2	9.6	8.9	7.4	5.9	6.2	
NUMBER OF DEATHS (Source: WHO)														
All causes														
1995	1341	32	289	3	12	24	29	43	66	112	176	216	628	
2000	1460	32	318	8	10	24	51	45	69	111	177	257	676	
Lung cancer														
1995	9	—	2	—	—	—	—	—	—	2	2	3	2	
2000	27	—	12	1	—	2	3	1	2	3	7	4	4	
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	578.6*	36.0*	439.3*	20.4	85.7	156.9	258.9	443.3	709.7	1400.0	2550.7	4800.0	11629.6	
2000	550.8*	37.7*	428.5*	61.1	67.1	170.2	333.3	401.8	718.8	1247.2	2391.9	4355.9	10903.2	
All cancer														
1995	145.0*	6.7*	191.6*	—	35.7	104.6	187.5	195.9	354.8	462.5	681.2	1088.9	1425.9	
2000	144.3*	3.6*	204.1*	30.5	40.3	85.1	215.7	196.4	343.8	516.9	743.2	1050.8	1177.4	
Lung cancer														
1995	3.9*	—	3.6*	—	—	—	—	—	—	25.0	29.0	66.7	37.0	
2000	11.3*	—	15.0*	7.6	—	14.2	19.6	8.9	20.8	33.7	94.6	67.8	64.5	
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)														
1995	2.7*	—	2.6*	—	7.1	—	—	—	10.8	—	—	44.4	37.0	
2000	2.3*	—	2.5*	—	—	—	6.5	—	—	11.2	—	67.8	—	
Other cancer														
1995	138.4*	6.7*	185.4*	—	28.6	104.6	187.5	195.9	344.1	437.5	652.2	977.8	1351.9	
2000	130.7*	3.6*	186.6*	22.9	40.3	70.9	189.5	187.5	322.9	471.9	648.6	915.3	1112.9	
Chronic obstructive pulmonary disease (COPD)														
1995	8.8*	1.1*	8.3*	—	—	6.5	17.9	10.3	10.8	12.5	29.0	88.9	111.1	
2000	8.8*	1.1*	8.5*	—	—	6.5	8.9	10.4	33.7	40.5	16.9	193.5		
Other respiratory disease														
1995	26.6*	—	10.0*	—	—	—	8.9	—	10.8	50.0	14.5	222.2	925.9	
2000	30.2*	—	7.7*	—	—	14.2	6.5	—	10.4	22.5	54.1	186.4	1096.8	
Vascular disease														
1995	264.6*	1.1*	152.4*	—	7.1	13.1	26.8	154.6	215.1	650.0	1391.3	2444.4	6203.7	
2000	251.9*	—	146.0*	15.3	20.1	35.5	39.2	133.9	250.0	528.1	1108.1	2271.2	6193.5	
Liver cirrhosis														
1995	3.3*	—	6.8*	—	7.1	6.5	—	—	21.5	12.5	—	22.2	18.5	
2000	1.1*	—	0.9*	—	—	—	6.5	—	—	—	—	—	32.3	
Other medical causes														
1995	118.7*	25.8*	59.3*	6.8	—	19.6	17.9	61.9	96.8	212.5	420.3	844.4	2759.3	
2000	100.3*	26.8*	53.4*	—	6.7	21.3	52.3	53.6	93.8	146.1	364.9	762.7	2016.1	
All non-medical causes														
1995	11.7*	1.3*	10.9*	13.6	35.7	6.5	—	20.6	—	—	14.5	88.9	185.2	
2000	14.3*	6.2*	7.9*	15.3	—	14.2	6.5	8.9	10.4	—	81.1	67.8	193.5	

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

Age range (years)	Deaths attributed to SMOKING /total deaths		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 49	– / 32	–
35–69	116 / 474	10 / 318	20 years
70+	127 / 990	41 / 1110	8 years
All ages	243 / 1513	51 / 1460	14 years

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

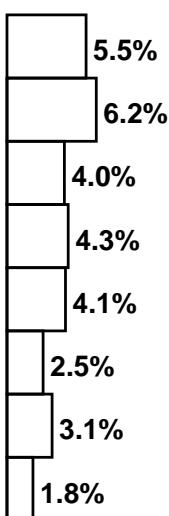
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	44/49	37/45	81/94	– / 0	4/12	9/15	13/27
All Cancer	– / 0	58/169 (34%)	49/191 (26%)	107/360	– / 3	4/156 (3%)	11/190 (6%)	15/349
Vascular	– / 3	35/189	31/494	66/686	– / 0	4/102	17/600	21/702
Respiratory	– / 1	15/30	39/148	54/179	– / 1	1/12	7/99	8/112
All Other	– / 45	8/86	8/157	16/288	– / 28	1/48	6/221	7/297
All Causes	– / 49	116/474 (24%)	127/990 (13%)	243/1513	– / 32	10/318 (3%)	41/1110 (4%)	51/1460

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

Cause	Male	Female	Male + Female
All Cancer	107 / 360 (30%)	15 / 349 (4%)	122 / 709 (17%)
All Causes	243 / 1513 (16%)	51 / 1460 (3%)	294 / 2973 (10%)

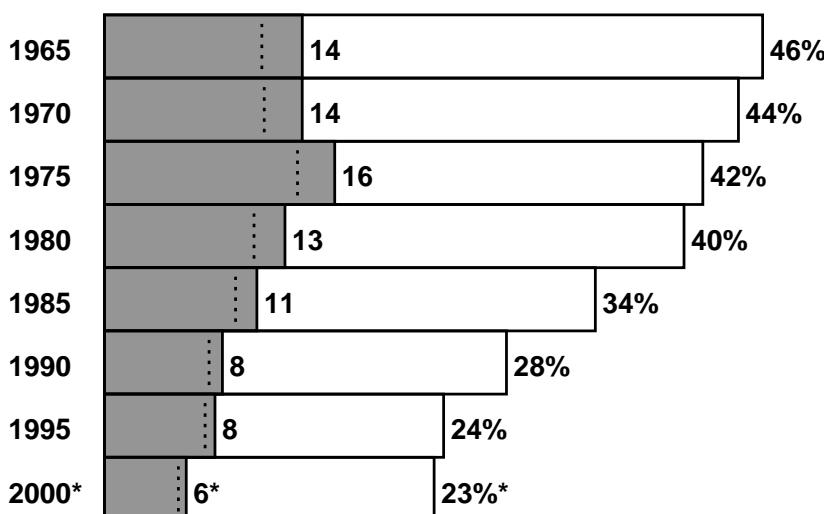
1965-2000: MALTA

Population risk of dying at ages 0-34

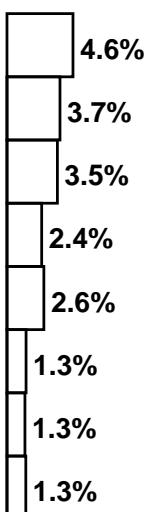


Population risk of a 35-year-old dying at ages 35-69 from smoking (shaded) or from any cause (shaded and white)

*eg, at year 2000 male death rates, out of 100 men aged 35, 23 would die before age 70 (with 6 of these deaths attributed to smoking)

MALE

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

FEMALE

Real risk too low to estimate reliably

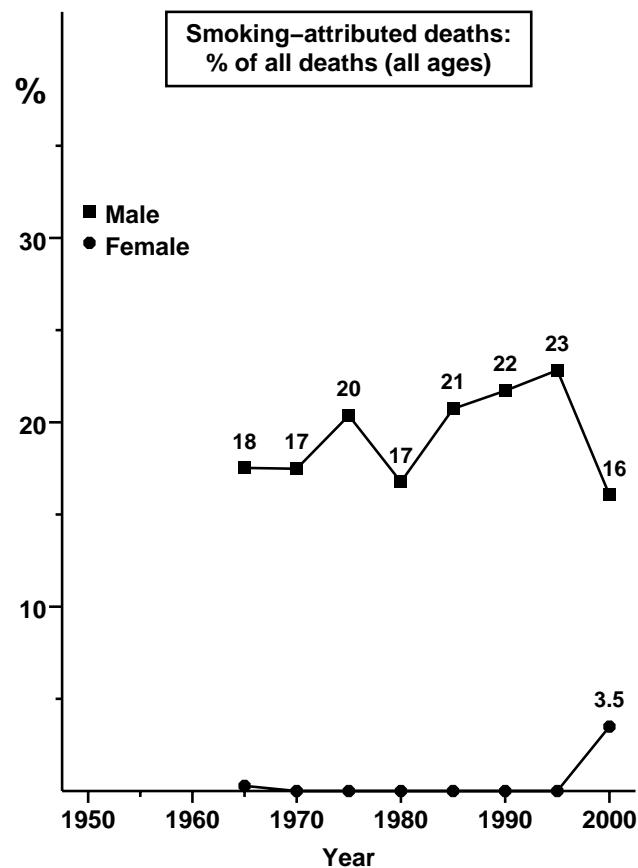
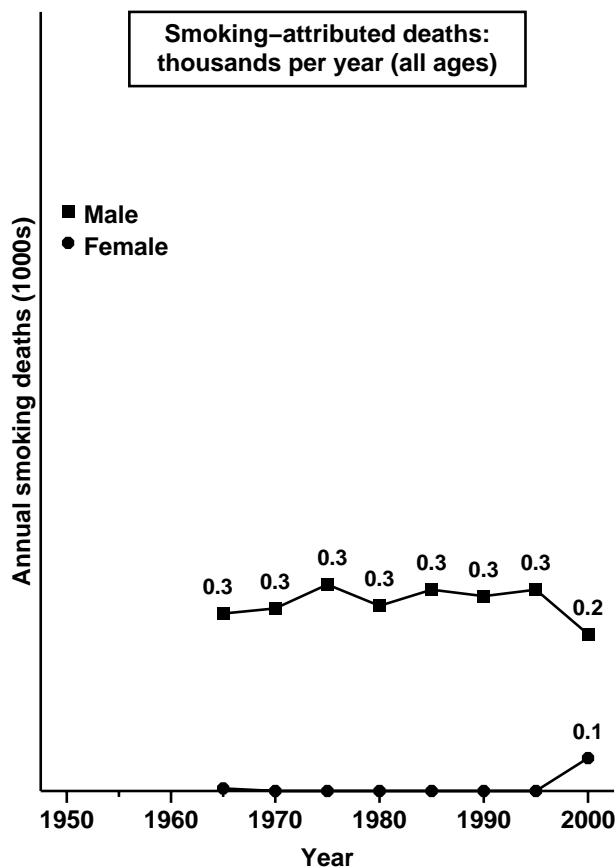
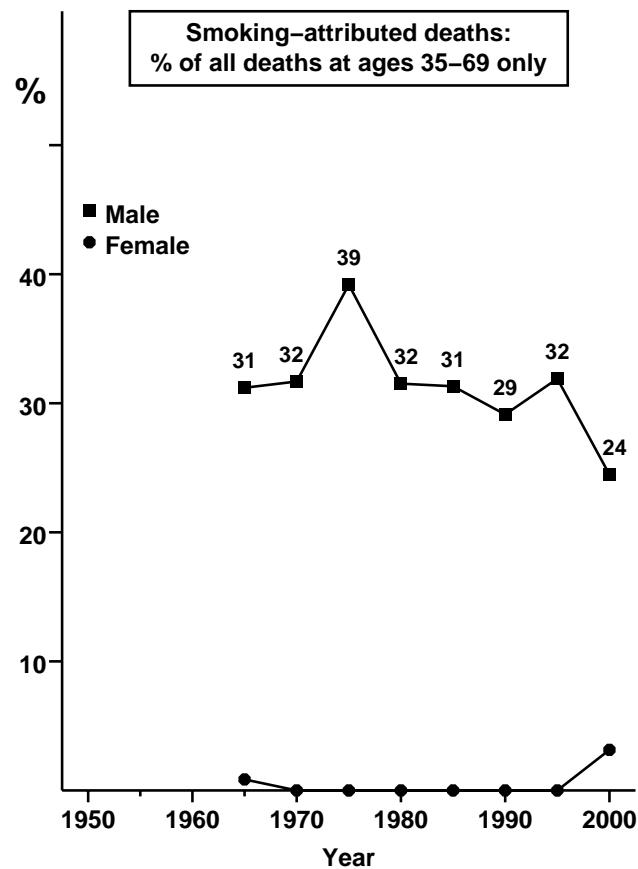
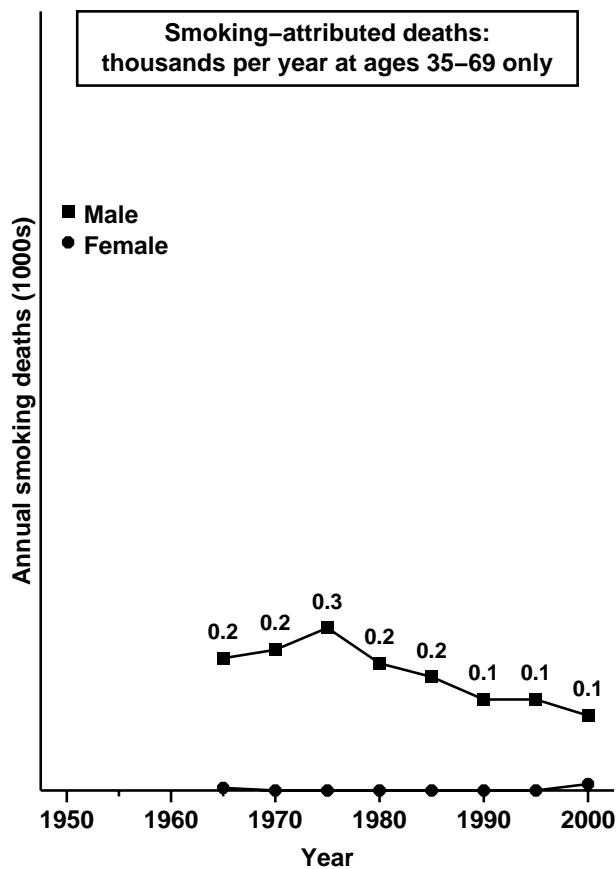
MALTA: 1960-2000**Numbers of deaths attributed to smoking / total deaths**

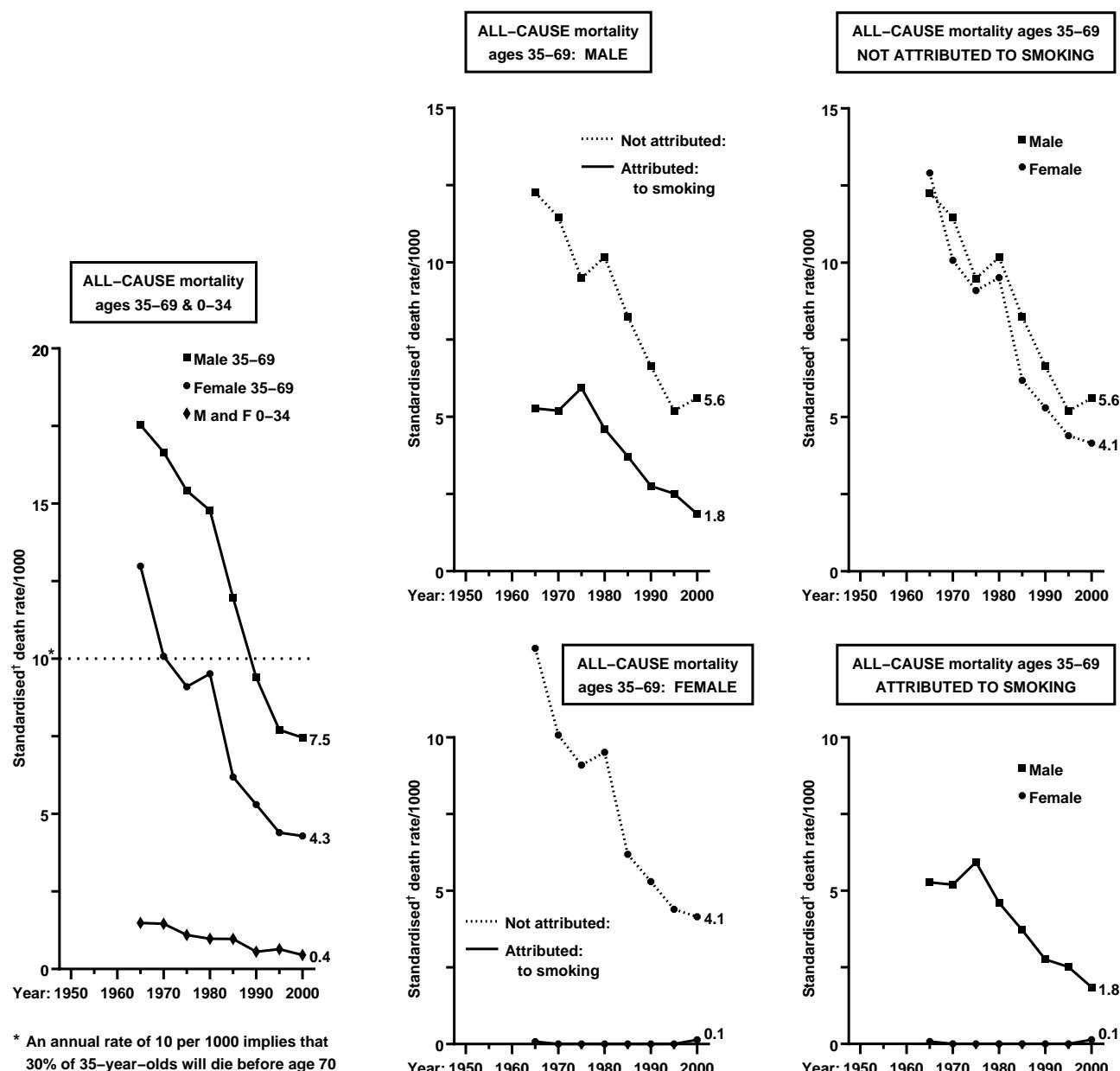
Year	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
1950	...	...	...	...	...	...	...	...
1955	...	...	...	...	...	...	...	...
1960	...	...	...	...	...	...	...	...
1965	-/173	205/657 (31%)	70/739 (9%)	275/1569	-/134	4/469	0/829	4/1432
1970	-/156	218/688 (32%)	65/775 (8%)	283/1619	-/89	0/467	0/895	0/1451
1975	-/101	252/643 (39%)	68/827 (8%)	320/1571	-/90	0/424	0/924	0/1438
1980	-/123	197/625 (32%)	90/964 (9%)	287/1712	-/67	0/448	0/1074	0/1589
1985	-/117	176/562 (31%)	136/826 (16%)	312/1505	-/71	0/330	0/1009	0/1410
1990	-/71	141/484 (29%)	161/836 (19%)	302/1391	-/36	0/325	0/957	0/1318
1995	-/86	141/442 (32%)	171/839 (20%)	312/1367	-/32	0/289	0/1020	0/1341
2000	-/49	116/474 (24%)	127/990 (13%)	243/1513	-/32	10/318	41/1110	51/1460

40-year total* (thousands), mid-1960 to mid-2000: 12 / 116**1960-2000 by age & sex:**

-/4.8	7.7/23	4.4/32	12/60	-/3.3	0.0/15	0.0/38	0.0/56
	(34%)	(14%)			(0.3%)	(0%)	

*Estimated as 10 times the sum of the annual numbers for 1965, 1975, 1985 & 1995

1965-2000: MALTA

MALTA: 1965-2000**ALL-CAUSE mortality rates attributed and not attributed to smoking**

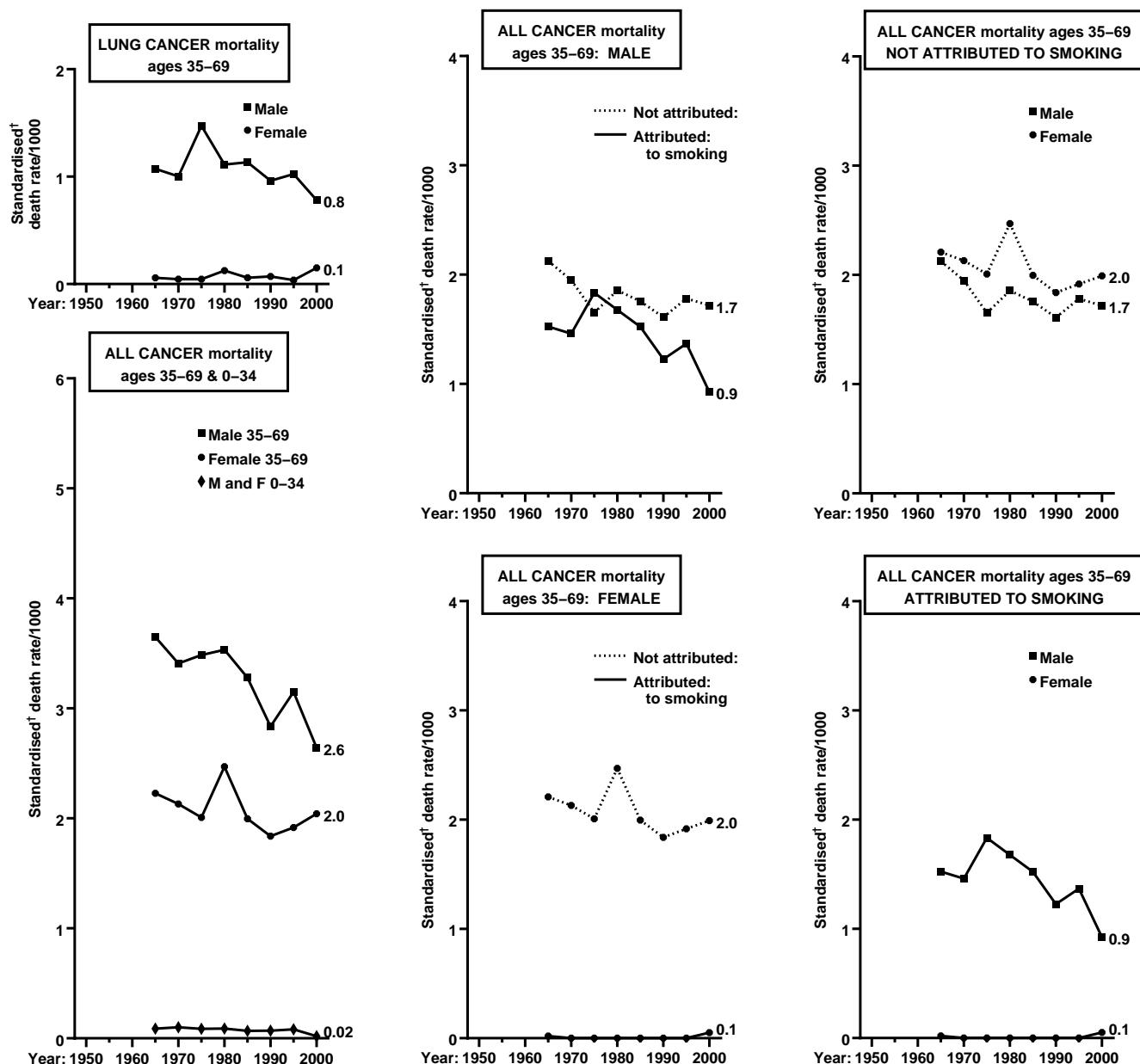
[†] Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

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			
1960			
1965	-	1.62	5.27	12.3	9.62	80.1	-	1.34	0.08	12.9	0.00	67.7	-	1.07	0.00	10.1	0.00	73.3
1970	-	1.84	5.19	11.5	8.73	79.3	-	1.07	0.00	9.09	0.00	69.0	-	1.02	0.00	9.51	0.00	56.2
1975	-	1.17	5.93	9.48	7.74	81.5	-	0.74	0.00	6.18	0.00	51.4	-	0.70	0.00	5.30	0.00	39.2
1980	-	1.25	4.60	10.2	8.48	73.6	-	0.38	0.00	4.39	0.00	36.8	-	0.36	0.00	4.15	0.00	31.9
1985	-	1.19	3.71	8.25	13.1	56.5	-	0.38	0.14	1.79	0.00	0.00	-	0.38	0.14	1.79	0.00	0.00
1990	-	0.73	2.76	6.63	12.5	53.1	-	0.38	0.00	4.39	0.00	36.8	-	0.36	0.00	4.15	0.00	31.9
1995	-	0.91	2.51	5.19	9.97	36.3	-	0.38	0.14	1.79	0.00	0.00	-	0.38	0.14	1.79	0.00	0.00
2000	-	0.52	1.85	5.61	7.77	45.9	-	0.38	0.14	1.79	0.00	0.00	-	0.38	0.14	1.79	0.00	0.00

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

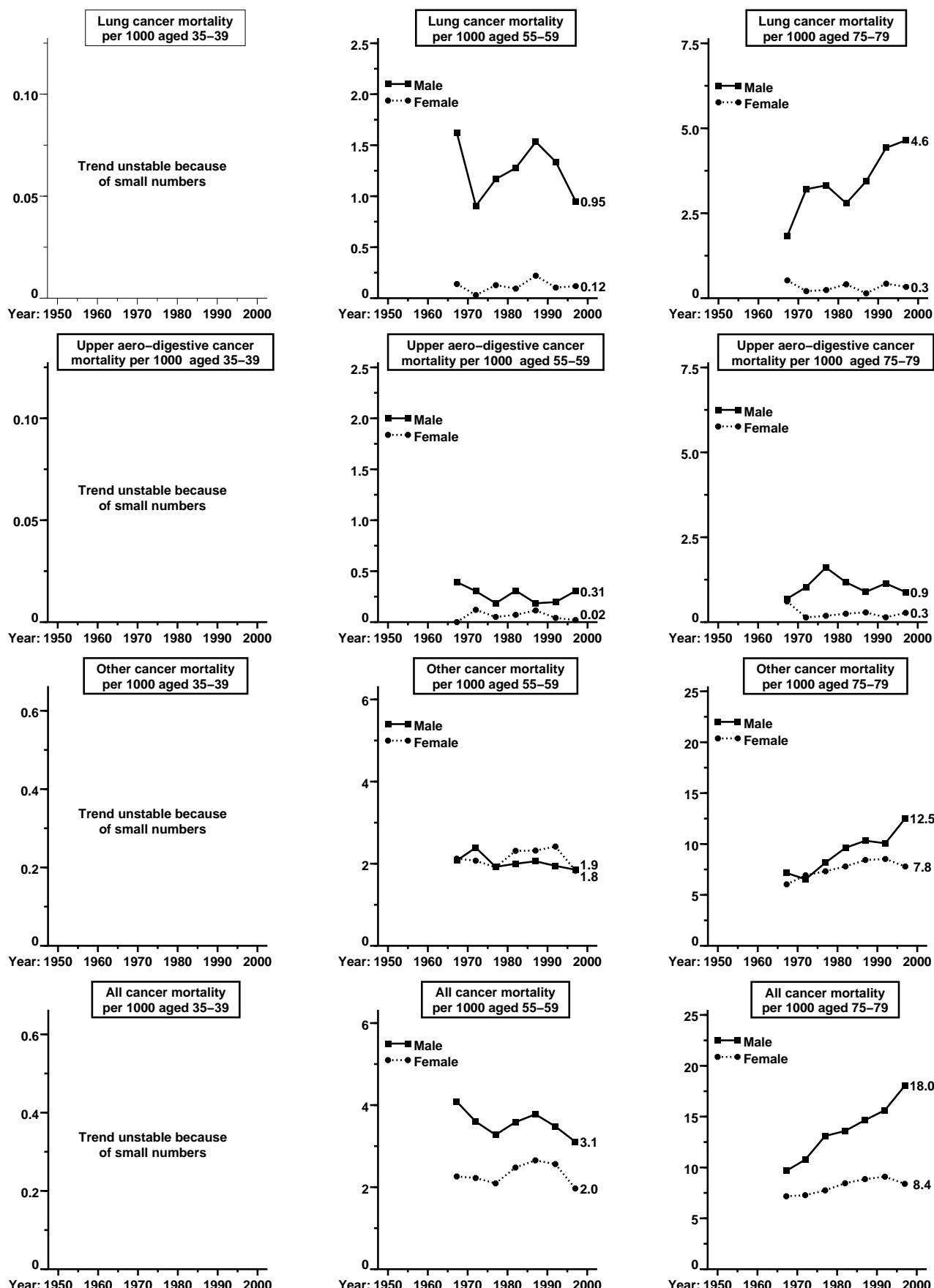
1965-2000: MALTA

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				
1960				
1965	-	0.06		1.52	2.12		2.86	6.90		-	0.11		0.02	2.21		0.00	6.60
1970	-	0.15		1.46	1.95		2.07	7.39		-	0.05		0.00	2.13		0.00	7.96
1975	-	0.10		1.83	1.65		1.71	7.85		-	0.07		0.00	2.01		0.00	5.64
1980	-	0.11		1.68	1.85		2.94	8.67		-	0.06		0.00	2.47		0.00	7.59
1985	-	0.06		1.52	1.76		4.74	8.61		-	0.07		0.00	2.00		0.00	8.56
1990	-	0.06		1.23	1.61		4.85	10.3		-	0.07		0.00	1.84		0.00	6.65
1995	-	0.09		1.37	1.78		4.66	9.39		-	0.07		0.00	1.92		0.00	8.85
2000	-	0.00		0.92	1.72		3.01	8.96		-	0.04		0.05	1.99		0.66	8.31

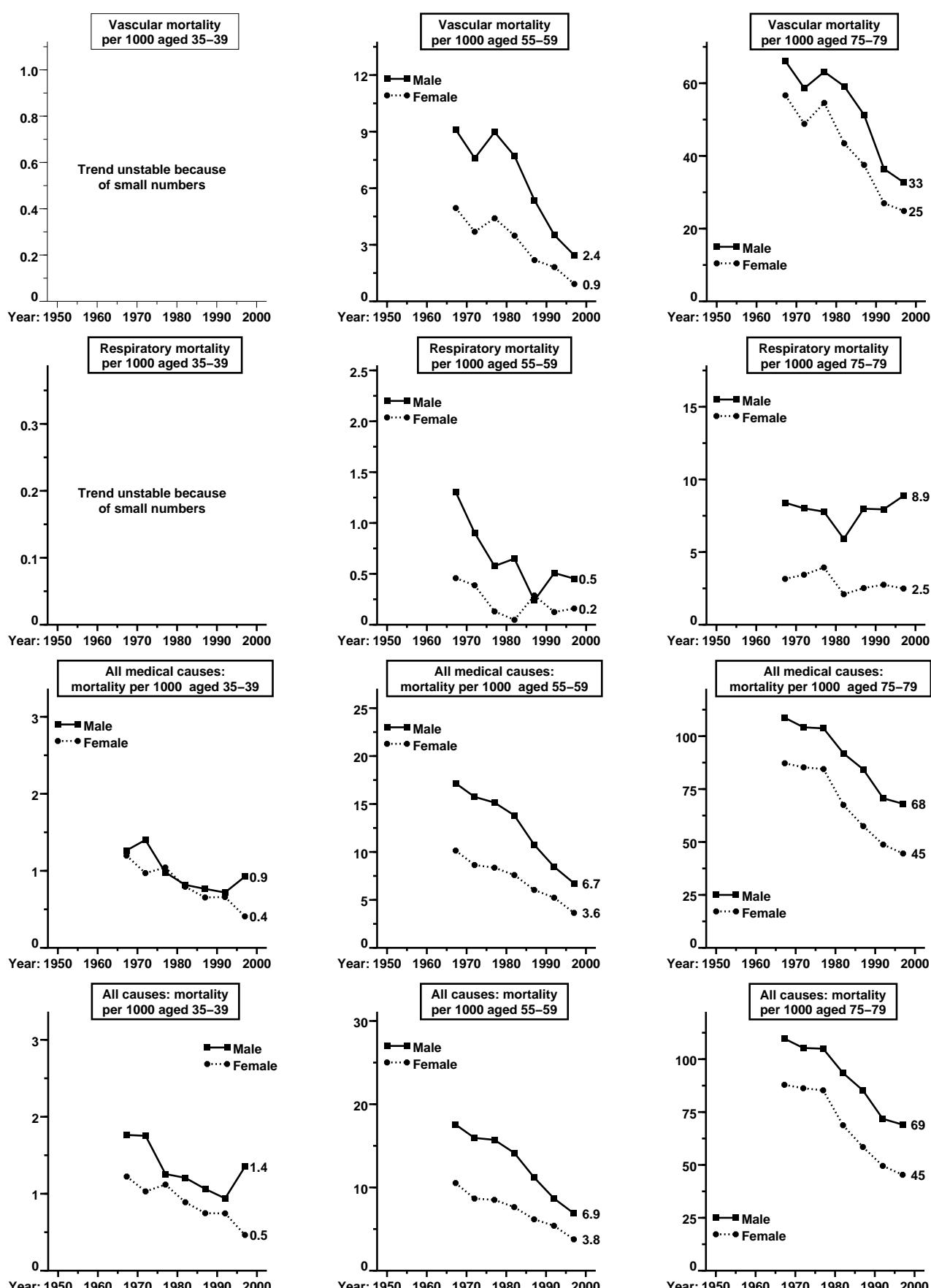
0–34 and 35–69 = means of 7 age-specific rates; 70–79 = mean of 2 rates (70–74 & 75–79)

MALTA: 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; year 2000 on pages 314-315

1965-2000: MALTA

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



* Annual mortality per 1000: averages of years available in 1965-69,...,1995-99; year 2000 on pages 314-315