

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

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# **AUSTRALIA**

**Raw data** (pages 50–51, 52–53)

**Analyses** (pages 54–55, 56–57, 58–59)

**Appendix** (pages 60–61)

## AUSTRALIA: 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	67058	4152	19691	719.4	87.4	647.3	132.0	14.1	17.8	74.0	109.2	134.8	129.9
	F	61726	2015	11474	461.6	43.2	367.3	108.6	11.3	12.1	33.2	40.2	46.8	50.5
Tuberculosis	M	33	-	8	0.4	-	0.3	-	-	-	-	-	-	-
	F	21	-	5	0.2	-	0.1	-	-	-	-	-	-	-
HIV	M	124	26	96	1.3	0.5	2.1	-	-	-	0.1	0.3	1.5	1.8
	F	10	3	6	0.1	0.1	0.1	-	-	-	-	-	-	0.4
Other infective and parasitic	M	714	42	195	7.6	0.9	6.0	2.7	0.3	0.4	0.7	0.6	0.3	1.1
	F	756	43	117	5.6	0.9	3.8	3.2	0.4	0.4	0.5	0.3	0.9	0.8
ALL CANCER	M	20279	252	7693	221.2	5.2	265.7	2.6	3.5	2.0	4.2	5.7	6.0	12.5
	F	15546	240	5821	135.6	5.0	185.1	2.1	2.4	3.3	2.9	5.4	5.7	12.9
Mouth and pharynx cancer	M	467	3	267	5.2	0.1	8.7	-	-	-	0.1	-	-	0.3
	F	203	5	85	1.8	0.1	2.6	-	-	-	0.2	0.2	0.1	0.3
Oesophagus cancer	M	683	2	316	7.5	0.0	10.7	-	-	-	-	-	-	0.3
	F	288	2	67	2.3	0.0	2.3	-	-	-	-	-	-	0.1
Stomach cancer	M	763	4	291	8.3	0.1	9.9	-	-	-	-	0.3	0.3	-
	F	426	3	128	3.5	0.1	4.0	-	-	-	-	0.3	-	0.1
Colorectal cancer	M	2569	13	1108	28.3	0.3	38.5	-	-	-	-	0.2	0.3	1.4
	F	2149	13	694	18.1	0.3	23.1	-	-	-	-	0.5	0.1	1.2
Liver cancer	M	388	9	179	4.3	0.2	6.1	-	-	0.3	0.1	0.2	0.1	0.6
	F	110	2	40	0.9	0.0	1.4	-	-	-	-	0.2	-	0.1
Pancreas cancer	M	872	2	391	9.6	0.0	13.5	-	-	-	-	-	-	0.3
	F	876	3	226	7.2	0.1	7.8	-	-	-	-	-	-	0.4
Larynx cancer	M	203	-	104	2.3	-	3.5	-	-	-	-	-	-	-
	F	36	-	18	0.3	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	4594	5	1866	50.5	0.1	67.1	-	-	-	-	-	-	0.3
	F	2317	1	943	21.1	0.0	31.6	-	-	-	-	-	-	0.1
Malignant melanoma	M	617	15	281	6.7	0.3	8.8	-	-	-	0.3	0.3	0.4	1.1
	F	354	17	164	3.2	0.3	4.6	-	-	-	-	0.6	0.6	1.2
Female breast cancer	F	2521	33	1327	23.6	0.6	38.6	-	-	-	-	0.2	0.7	3.6
Cervix cancer	F	265	14	140	2.5	0.3	4.0	-	-	-	-	0.2	0.6	1.2
Other uterine cancer	F	261	1	97	2.3	0.0	3.4	-	-	-	-	0.2	-	-
Ovarian cancer	F	787	8	349	7.2	0.2	11.2	-	0.1	0.1	-	0.2	-	0.7
Prostate cancer	M	2665	-	408	28.1	-	15.9	-	-	-	-	-	-	-
Bladder cancer	M	570	-	111	6.1	-	4.1	-	-	-	-	-	-	-
	F	249	-	33	1.8	-	1.1	-	-	-	-	-	-	-
Other and ill-defined cancer sites	M	3803	117	1580	41.6	2.4	52.3	1.5	2.3	0.7	2.2	2.3	2.5	5.5
	F	3035	86	980	25.7	1.8	31.6	1.4	1.9	2.2	1.1	2.0	1.6	2.4
Hodgkin's disease	M	37	3	15	0.4	0.1	0.4	-	-	-	-	-	-	0.4
	F	31	3	8	0.3	0.1	0.3	-	-	-	0.2	-	0.1	0.1
Myeloma and non-Hodgkin lymphomas	M	1254	24	491	13.6	0.5	16.5	-	0.1	-	0.4	0.6	0.6	1.7
	F	1069	7	353	9.1	0.1	11.6	-	-	0.1	0.2	0.2	0.3	0.3
Leukaemia	M	794	55	285	8.6	1.2	9.7	1.1	1.1	1.0	1.0	1.9	1.2	0.8
	F	569	42	169	4.8	0.9	5.4	0.6	0.3	0.7	1.4	0.8	1.4	0.9
Diabetes	M	1591	10	497	17.2	0.2	17.2	-	-	-	0.1	0.3	0.1	0.8
	F	1418	14	301	11.0	0.3	10.5	-	-	0.1	0.2	0.6	0.3	0.8
ALL VASCULAR DISEASE	M	23778	175	5548	253.4	3.6	189.5	1.5	0.7	0.9	2.6	1.9	7.1	10.7
	F	26055	105	2256	173.8	2.2	76.8	1.9	0.7	0.3	0.8	1.4	4.0	5.9
Rheumatic heart disease and fever	M	98	5	28	1.1	0.1	1.0	-	-	-	0.3	-	0.4	-
	F	161	8	43	1.3	0.2	1.4	-	-	-	-	0.2	0.6	0.4
Hypertensive disease	M	457	3	82	4.8	0.1	2.8	-	-	-	-	-	0.1	0.3
	F	750	3	63	5.0	0.1	2.2	-	0.1	-	-	0.2	-	0.1
Ischaemic heart disease	M	14069	57	3805	150.8	1.2	129.7	0.2	-	-	0.3	0.9	1.6	5.2
	F	12537	12	1140	84.6	0.2	39.7	-	-	-	0.2	-	0.3	1.2
Pulmonary embolism and other venous	M	219	6	59	2.3	0.1	1.9	-	-	-	-	-	0.4	0.4
	F	329	6	66	2.5	0.1	2.1	-	-	-	0.2	0.2	0.1	0.4
Cerebrovascular disease	M	4909	25	761	51.7	0.5	26.8	-	0.1	0.1	0.1	0.3	1.3	1.5
	F	7437	22	545	48.5	0.4	18.0	0.2	-	-	-	0.5	1.0	1.5
Other vascular disease	M	4026	79	813	42.7	1.6	27.2	1.4	0.6	0.7	1.9	0.6	3.1	3.2
	F	4841	54	399	31.9	1.1	13.4	1.7	0.6	0.3	0.5	0.5	2.0	2.3
Chronic obstructive pulmonary disease	M	3538	32	713	37.6	0.7	26.8	0.2	0.7	0.3	0.3	0.6	0.9	1.7
	F	2463	24	549	19.4	0.5	19.4	-	0.4	0.3	-	0.3	1.1	1.2
Other respiratory disease	M	2449	33	377	25.9	0.7	13.2	2.0	-	-	0.3	0.3	0.4	1.8
	F	2538	28	193	16.7	0.6	6.6	1.9	0.1	0.1	0.5	0.3	0.3	0.9
Peptic ulcer	M	234	2	60	2.5	0.0	2.0	-	-	-	-	-	-	0.3
	F	237	1	30	1.6	0.0	1.0	-	-	-	-	-	-	0.1
Liver cirrhosis	M	651	7	475	7.3	0.1	14.2	-	-	-	-	-	0.4	0.6
	F	261	7	154	2.6	0.1	4.3	-	-	-	-	-	0.6	0.4
Renal disease	M	901	6	99	9.4	0.1	3.5	-	0.1	-	-	-	0.3	0.4
	F	1072	7	107	7.3	0.1	3.7	-	-	-	0.2	0.2	0.3	0.4
Pregnancy, birth	F	13	7	6	0.1	0.1	0.1	-	-	-	0.2	0.2	0.4	0.3
Congenital and perinatal causes	M	687	601	61	8.1	12.9	1.7	83.3	0.4	0.7	2.2	1.4	1.5	1.0
	F	582	497	59	7.0	11.2	1.6	71.7	1.6	1.2	1.2	0.8	1.1	0.7
Ill-defined causes	M	337	139	112	3.7	3.0	3.0	14.6	0.1	0.1	1.0	1.4	1.6	1.8
	F	304	81	34	2.5	1.8	1.0	9.7	0.1	0.3	0.5	0.9	0.7	0.4
Other medical causes	M	6156	511	1472	65.2	10.7	45.7	9.2	2.1	3.3	9.8	16.1	19.5	15.2
	F	7863	245	1039	55.3	5.2	32.9	7.6	2.2	2.1	4.0	6.9	6.3	7.3
ALL NON-MEDICAL CAUSES	M	5586	2316	2285	58.7	48.6	56.2	15.9	6.1	10.1	52.5	80.6	95.1	80.1
	F	2587	713	797	22.8	15.1	20.2	10.5	3.1	3.9	22.5	22.9	25.0	17.9
Road traffic accidents	M	1284	697	455	13.5	14.7	11.4	2.4	2.3	4.6	26.0	28.9	22.3	16.3
	F	526	241	183	5.3	5.2	4.7	2.7	1.3	2.1	10.3	8.5	7.3	3.9
Fire	M	61	15	23	0.6	0.3	0.6	0.6	0.4	-	0.1	0.6	0.1	0.3
	F	37	10	12	0.4	0.2	0.3	1.0	0.1	0.1	-	-	0.1	0.1
Suicide	M	1883	743	958	19.7	15.6	23.2	-	-	1.1	13.3	27.6	33.4	33.5
	F	505	185	266	5.1	3.9	6.4	-	-	0.1	6.6	5.5	8.3	6.5
Homicide	M	189	86	95	2.0	1.8	2.3	1.4	0.6	0.4	2.2	2.0	3.2	2.8
	F	114	67	41	1.2	1.4	0.9	0.6	0.6	0.3	1.7	2.5	1.9	2.3
<b>POPULATION:</b>			<b>M=male</b>											
<b>(1000s; UN, 2004 revision)</b>			<b>F=female</b>											
				9409.7	4795.7	3922.8	662.3	707.7	703.0	684.0	647.7	680.5	710.5	
				9662.0	4699.4	3999.7	630.0	670.7	670.3	653.1	634.2	699.2	741.9	

## 2000: AUSTRALIA

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			
152.4	189.0	248.1	390.4	632.2	1071.6	1847.0	3168.0	5277.3	12036.4	M	ALL CAUSES	001-999/A00-Y89
74.6	103.2	154.4	240.1	392.2	600.3	1006.8	1720.0	2959.2	9731.1	F		
-	-	-	0.3	0.2	0.3	1.2	2.4	3.7	5.3	M	Tuberculosis	010-018, 137/ A15-A19, B90
0.1	-	-	0.3	0.4	-	-	1.5	0.7	2.6	F		
4.0	3.8	2.8	1.0	2.1	0.8	0.6	0.7	-	-	M	HIV	279.5, 279.6/B20-B24
0.4	0.1	0.1	-	-	0.3	-	-	0.4	-	F		
1.5	4.2	2.7	4.0	4.7	12.4	12.4	24.0	57.6	150.3	M	Other infective and parasitic	Rest of 001-139/rest of A00-B99 excl A33,A34
0.3	1.2	2.0	2.7	3.2	5.7	11.2	15.8	42.2	120.8	F		
18.9	37.9	71.2	153.9	285.5	479.1	813.5	1256.2	1739.1	2638.2	M	ALL CANCER	140-208/C00-C97
25.7	46.5	82.1	139.3	225.5	316.5	460.3	661.7	879.0	1372.7	F		
0.6	1.1	4.3	7.2	11.6	14.0	22.0	27.1	25.3	34.3	M	Mouth and pharynx cancer	140-149/C00-C14
0.4	0.9	1.3	2.6	2.9	3.4	6.8	8.8	7.5	17.9	F		
0.6	1.8	3.0	7.6	11.1	20.7	30.4	37.5	59.5	68.6	M	Oesophagus cancer	150/C15
0.3	0.3	0.4	1.1	3.2	4.2	6.5	10.6	17.4	38.4	F		
0.4	2.2	3.0	6.9	9.7	15.0	32.3	50.3	62.8	99.7	M	Stomach cancer	151/C16
0.7	1.5	1.3	3.9	3.6	6.5	10.9	13.4	31.2	46.3	F		
3.0	4.6	9.1	20.6	40.6	79.3	112.0	156.5	200.9	299.6	M	Colorectal cancer	153, 154/C18-C21
1.7	2.7	8.9	12.6	29.9	45.4	60.2	87.8	129.2	224.3	F		
0.1	1.1	2.7	3.7	5.6	9.3	20.5	26.0	30.0	32.2	M	Liver cancer	155.0/C22 excl C221
0.1	0.5	0.1	0.5	1.1	2.6	4.7	2.4	7.1	11.4	F		
1.1	1.4	3.3	9.2	15.3	20.0	44.4	49.3	72.6	96.0	M	Pancreas cancer	157/C25
0.1	0.8	1.8	4.5	8.6	14.0	24.7	45.9	67.4	87.0	F		
-	0.4	1.2	2.6	3.7	7.5	9.3	13.9	14.1	15.3	M	Larynx cancer	161/C32
-	0.3	-	0.3	0.4	1.3	2.1	1.8	1.1	2.6	F		
1.7	5.2	10.8	29.5	72.2	132.0	218.1	325.6	428.1	459.4	M	Lung cancer	162/C33, C34
1.6	3.5	10.1	21.0	38.1	57.6	89.0	132.7	143.4	151.2	F		
2.2	3.4	4.2	6.9	9.7	16.1	18.9	38.2	44.5	61.2	M	Malignant melanoma	172/C43
2.8	2.4	3.5	3.4	5.5	7.5	7.3	13.4	15.3	24.4	F		
8.0	17.0	27.5	41.2	51.8	61.5	63.2	89.3	99.4	166.9	F	Female breast cancer	174/C50
1.6	2.3	3.9	2.9	4.0	6.0	7.1	11.2	8.5	14.2	F	Cervix cancer	180/C53
0.1	0.4	0.4	1.3	4.0	6.2	11.5	10.0	17.0	23.3	F	Other uterine cancer	179, 182/C54, C55
1.3	2.3	4.2	8.7	14.3	21.8	25.6	35.2	45.8	52.6	F	Ovarian cancer	183/C56, C570-C574
-	-	0.9	4.0	11.8	25.1	69.2	162.8	278.7	629.2	M	Prostate cancer	185/C61
-	0.3	0.7	1.6	3.5	7.0	15.5	41.3	52.9	119.7	M	Bladder cancer	188/C67
0.3	-	0.6	0.2	1.5	1.0	4.4	9.1	13.5	42.1	F		
5.0	11.5	19.0	38.7	59.0	90.2	143.0	212.1	293.2	458.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
4.9	7.1	12.4	22.0	38.3	49.3	87.3	123.6	172.1	306.1	F	Hodgkin's disease	201/C81
0.7	0.3	-	0.6	0.2	0.3	0.6	2.1	2.3	4.2	M		
-	0.1	0.1	0.2	0.2	0.3	0.9	1.8	1.1	3.1	F		
1.9	3.5	5.2	10.0	19.2	28.0	47.8	68.4	109.1	163.0	M	Myeloma and non- Hodgkin lymphomas	200, 202-203/ C82-C90, C96
0.7	2.2	3.5	9.9	13.3	19.2	32.3	44.9	70.3	103.2	F	Leukaemia	204-208/C91-C95
1.7	1.1	3.7	4.7	12.4	14.5	29.5	45.1	65.1	97.6	M		
1.2	2.2	1.9	3.1	4.8	8.8	16.2	19.7	31.9	57.7	F		
1.5	1.4	5.1	12.4	14.6	30.3	54.9	95.8	130.7	279.0	M	Diabetes	250/E10-E14
0.8	0.7	3.2	5.3	7.6	17.1	39.1	58.0	85.9	190.4	F		
22.1	39.0	64.5	104.6	179.0	323.8	593.2	1121.1	2052.9	5507.4	M	ALL VASCULAR DISEASE	390-459/I00-199
9.3	14.2	23.5	35.9	69.3	126.6	258.8	586.1	1205.8	5220.6	F		
-	-	0.3	0.8	1.4	1.0	3.1	3.8	8.4	19.0	M	Rheumatic heart disease and fever	390-398/I00-109
-	0.7	0.9	1.0	0.8	1.3	5.0	6.7	8.5	18.2	F		
0.3	0.3	1.5	1.3	2.9	4.1	9.3	26.4	32.3	119.7	M	Hypertensive disease	401-405/I10-I15
0.3	0.1	0.7	1.0	1.9	2.9	8.5	18.5	33.0	150.7	F		
13.5	25.0	44.1	75.4	124.8	228.4	396.8	710.9	1202.8	2948.8	M	Ischaemic heart disease	410-414/I20-I25
2.9	4.9	10.1	17.3	37.1	64.1	141.9	333.7	619.2	2427.8	F		
0.4	1.0	1.0	0.8	1.9	2.1	6.2	6.6	25.3	42.7	M	Pulmonary embolism and other venous	415.1, 451-453/ I26, I80-182
0.4	0.7	1.0	1.1	2.9	4.2	4.1	6.7	20.2	50.6	F		
3.3	4.8	7.6	11.4	21.9	43.8	94.9	213.1	441.7	1353.4	M	Cerebrovascular disease	430-438/I60-169
2.8	5.0	6.7	9.7	15.6	30.9	55.2	140.0	320.8	1564.8	F		
4.5	8.0	9.9	14.8	26.2	44.3	82.8	160.4	342.4	1023.7	M	Other vascular disease	Rest of 390-459/ rest of I00-199
2.9	2.8	4.1	5.8	10.9	23.3	44.1	80.5	204.0	1008.5	F	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.2	2.0	2.8	7.2	20.6	46.7	107.4	210.0	352.7	756.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.9	1.9	3.5	6.8	19.8	31.4	70.5	109.9	156.1	309.3	F		
1.4	3.2	3.4	5.2	12.4	21.0	45.9	86.4	207.5	710.4	M		
0.4	1.2	2.5	2.7	6.5	10.4	22.3	45.6	95.8	539.2	F		
0.1	0.6	1.2	0.6	2.5	2.6	6.5	13.9	16.4	51.2	M	Peptic ulcer	531-533/K25-K27
-	0.4	0.6	0.5	0.6	1.3	3.5	5.5	9.2	46.0	F		
1.8	6.3	11.1	12.2	19.6	24.1	24.5	27.8	21.1	23.2	M	Liver cirrhosis	571/K70, K74
0.9	2.2	3.5	5.8	5.7	6.5	5.6	12.1	9.2	9.7	F		
0.6	0.8	1.3	1.0	1.9	4.7	14.6	22.2	94.6	279.5	M	Renal disease	580-590/N00-N19
0.3	0.5	1.0	2.1	2.9	6.0	12.9	20.0	62.1	203.8	F		
0.5	0.1	0.1	-	-	-	-	-	-	-	F	Pregnancy, birth Congenital and perinatal causes	630-676/A34,000-099 740-779/A33, P00-P96, Q00-Q99
1.4	1.5	1.2	0.8	2.5	1.8	2.5	3.5	2.8	4.7	M	Ill-defined causes	780-799/R00-R99
2.0	0.7	0.7	1.0	2.7	1.3	2.9	1.2	3.2	3.7	F		
3.2	1.5	2.4	2.9	3.9	4.1	2.8	4.9	6.1	31.1	M		
0.5	0.4	0.7	0.2	1.1	1.8	2.6	4.3	4.6	46.0	F		
19.4	19.7	21.8	33.2	39.8	70.8	115.4	223.5	488.5	1311.2	M	Other medical causes	Rest of 001-799/ rest of A00-R99
10.2	9.7	13.9	22.5	28.8	54.5	90.8	160.3	352.4	1437.7	F		
75.4	67.1	56.5	51.1	42.9	49.0	51.5	75.7	103.5	288.0	M	ALL NON- MEDICAL CAUSES	E800-E999/V01-Y89
21.2	23.3	16.8	15.0	18.1	21.0	26.1	38.0	52.5	228.5	F	Road traffic accidents	E810-E819, E826-E829/ part of V01-V99, Y850
15.7	11.7	12.0	9.2	8.3	10.4	12.4	11.8	19.2	30.1	M	Fire	E890-E899/X00-X09
4.5	4.5	4.4	3.7	4.2	6.0	5.9	9.1	12.8	10.2	F	Suicide	E950-E959/X60-X84
0.4	0.4	0.4	1.1	0.2	0.8	0.9	3.1	4.2	2.6	M	Homicide	E960-E969/ X85-X99, Y00-Y09
0.1	0.1	0.4	0.3	0.2	0.3	0.9	1.5	0.7	2.3	F		
32.4	29.9	23.8	21.9	16.7	18.1	19.5	22.9	24.4	33.8	M		
9.0	8.6	5.1	5.3	5.3	5.7	5.6	6.4	5.3	5.1	F		
2.5	3.5	3.0	1.6	1.4	2.3	1.9	1.7	0.5	1.1	M		
1.9	1.1	1.2	0.6	0.4	0.5	0.9	0.3	1.1	0.6	F		
725.5	715.2	668.6	620.7	484.8	385.7	322.3	288.1	213.5	189.6	M	POPULATION	
753.7	741.5	684.6	619.0	475.0	385.5	340.4	329.3	281.8	351.8	F	(1000s; UN, 2004 revision)	

<b>AUSTRALIA: 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	4554	352	9	5	338	31	48	169	19	1692	2243
35-69	Sm.	5546	2812	1885	370	557	635	63	1426	-	610	-
	Total	21621	7888	2115	686	5087	895	314	7054	537	3010	1923
		(26%)	(36%)	(89%)	(54%)	(11%)	(71%)	(20%)	(20%)		(20%)	
70+	Sm.	8053	3396	2241	315	840	2030	115	1928	-	584	-
	Total	39979	10620	2503	564	7553	2918	1156	18624	149	5810	702
		(20%)	(32%)	(90%)	(56%)	(11%)	(70%)	(10%)	(10%)		(10%)	
Any age	Sm.	13599	6208	4126	685	1397	2665	178	3354	-	1194	-
	Total	66154	18860	4627	1255	12978	3844	1518	25847	705	10512	4868
		(21%)	(33%)	(89%)	(55%)	(11%)	(69%)	(12%)	(13%)		(11%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	4152	252	5	5	242	32	33	175	7	1337	2316
35-69	Sm.	4259	2379	1610	325	444	463	62	921	-	434	-
	Total	19691	7693	1866	687	5140	713	377	5548	475	2600	2285
		(22%)	(31%)	(86%)	(47%)	(9%)	(65%)	(16%)	(17%)		(17%)	
70+	Sm.	8224	3726	2419	358	949	1921	189	1736	-	652	-
	Total	43215	12334	2723	661	8950	2793	2039	18055	169	6840	985
		(19%)	(30%)	(89%)	(54%)	(11%)	(69%)	(9%)	(10%)		(10%)	
Any age	Sm.	12483	6105	4029	683	1393	2384	251	2657	-	1086	-
	Total	67058	20279	4594	1353	14332	3538	2449	23778	651	10777	5586
		(19%)	(30%)	(88%)	(50%)	(10%)	(67%)	(10%)	(11%)		(10%)	

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

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

	All ages	0-34	35-69	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80+/ <i>NK</i>
<b>POPULATION (1000s; UN, 2004 revision)</b>													
1995	8868.6	4755.5	3546.8	704.0	663.0	618.6	491.6	401.7	345.7	322.2	256.3	165.0	145.0
2000	9409.7	4795.7	3922.8	725.5	715.2	668.6	620.7	484.8	385.7	322.3	288.1	213.5	189.6
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	66154	4554	21621	1144	1276	1721	2188	3056	4685	7551	9895	9951	20133
2000	67058	4152	19691	1106	1352	1659	2423	3065	4133	5953	9127	11267	22821
<b>Lung cancer</b>													
1995	4627	9	2115	16	27	109	194	325	560	884	1004	695	804
2000	4594	5	1866	12	37	72	183	350	509	703	938	914	871
<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	844.9*	95.2*	791.1*	162.5	192.5	278.2	445.1	760.8	1355.2	2343.6	3860.7	6030.9	13884.8
2000	719.4*	87.4*	647.3*	152.4	189.0	248.1	390.4	632.2	1071.6	1847.0	3168.0	5277.3	12036.4
<b>All cancer</b>													
1995	242.9*	7.3*	299.6*	21.2	43.9	84.4	165.4	300.2	559.4	922.7	1369.9	1745.5	2916.6
2000	221.2*	5.2*	265.7*	18.9	37.9	71.2	153.9	285.5	479.1	813.5	1256.2	1739.1	2638.2
<b>Lung cancer</b>													
1995	59.7*	0.2*	83.0*	2.3	4.1	17.6	39.5	80.9	162.0	274.4	391.7	421.2	554.5
2000	50.5*	0.1*	67.1*	1.7	5.2	10.8	29.5	72.2	132.0	218.1	325.6	428.1	459.4
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	16.2*	0.1*	25.7*	2.1	3.0	7.4	19.9	28.4	41.1	77.9	88.6	94.5	124.8
2000	15.0*	0.1*	23.0*	1.1	3.4	8.5	17.4	26.4	42.3	61.7	78.4	98.8	118.1
<b>Other cancer</b>													
1995	166.9*	7.0*	190.9*	16.8	36.8	59.3	106.0	190.9	356.4	570.5	889.6	1229.7	2237.2
2000	155.6*	5.0*	175.7*	16.1	29.4	51.9	107.0	186.9	304.9	533.7	852.1	1212.2	2060.7
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	49.5*	0.7*	36.5*	1.3	1.4	4.4	8.1	26.6	66.0	147.4	295.0	472.1	953.8
2000	37.6*	0.7*	26.8*	1.2	2.0	2.8	7.2	20.6	46.7	107.4	210.0	352.7	756.9
<b>Other respiratory disease</b>													
1995	19.7*	1.0*	11.7*	1.6	2.6	3.9	7.3	7.7	19.1	40.0	76.1	152.7	489.0
2000	25.9*	0.7*	13.2*	1.4	3.2	3.4	5.2	12.4	21.0	45.9	86.4	207.5	710.4
<b>Vascular disease</b>													
1995	335.9*	3.5*	268.0*	23.6	40.6	74.4	144.4	256.4	474.4	862.5	1606.7	2721.2	6907.6
2000	253.4*	3.6*	189.5*	22.1	39.0	64.5	104.6	179.0	323.8	593.2	1121.1	2052.9	5507.4
<b>Liver cirrhosis</b>													
1995	9.1*	0.4*	18.3*	4.1	6.9	10.5	15.3	24.9	33.8	32.6	26.9	28.5	22.8
2000	7.3*	0.1*	14.2*	1.8	6.3	11.1	12.2	19.6	24.1	24.5	27.8	21.1	23.2
<b>Other medical causes</b>													
1995	132.6*	35.6*	103.1*	45.6	43.3	52.7	58.4	90.4	154.5	276.8	421.8	813.3	2335.9
2000	115.4*	28.4*	81.6*	31.7	33.6	38.6	56.2	72.2	127.8	211.0	390.8	800.5	2112.3
<b>All non-medical causes</b>													
1995	55.2*	46.7*	53.9*	65.2	53.8	48.0	46.2	54.5	48.0	61.5	64.4	97.6	259.3
2000	58.7*	48.6*	56.2*	75.4	67.1	56.5	51.1	42.9	49.0	51.5	75.7	103.5	288.0

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

## 1995, 2000: AUSTRALIA

## 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	2161	270	3	6	261	29	47	96	10	1024	685
35-69	Sm.	1815	773	613	62	98	368	27	408	-	239	-
	Total	12025	5954	870	160	4924	622	182	2739	168	1666	694
		(15%)	(13%)	(70%)	(39%)	(2%)	(59%)	(15%)	(15%)		(14%)	
70+	Sm.	4622	1190	849	151	190	1190	85	1592	-	565	-
	Total	44766	8297	1103	328	6866	1821	1285	24015	103	8477	768
		(10%)	(14%)	(77%)	(46%)	(3%)	(65%)	(7%)	(7%)		(7%)	
Any age	Sm.	6437	1963	1462	213	288	1558	112	2000	-	804	-
	Total	58952	14521	1976	494	12051	2472	1514	26850	281	11167	2147
		(11%)	(14%)	(74%)	(43%)	(2%)	(63%)	(7%)	(7%)		(7%)	
<b>2000</b>												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	2015	240	1	7	232	24	28	105	7	898	713
35-69	Sm.	1734	818	662	64	92	319	28	327	-	242	-
	Total	11474	5821	943	170	4708	549	193	2256	154	1704	797
		(15%)	(14%)	(70%)	(38%)	(2%)	(58%)	(15%)	(14%)		(14%)	
70+	Sm.	4967	1434	1058	161	215	1234	145	1524	-	630	-
	Total	48237	9485	1373	350	7762	1890	2317	23694	100	9674	1077
		(10%)	(15%)	(77%)	(46%)	(3%)	(65%)	(6%)	(6%)		(7%)	
Any age	Sm.	6701	2252	1720	225	307	1553	173	1851	-	872	-
	Total	61726	15546	2317	527	12702	2463	2538	26055	261	12276	2587
		(11%)	(14%)	(74%)	(43%)	(2%)	(63%)	(7%)	(7%)		(7%)	

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	9072.3	4658.6	3582.9	723.8	673.2	612.5	477.7	394.7	352.6	348.4	310.8	232.9	287.1
2000	9662.0	4699.4	3999.7	753.7	741.5	684.6	619.0	475.0	385.5	340.4	329.3	281.8	351.8
<b>NUMBER OF DEATHS (Source: WHO)</b>													
<b>All causes</b>													
1995	58952	2161	12025	497	709	1040	1346	1707	2538	4188	6389	8238	30139
2000	61726	2015	11474	562	765	1057	1486	1863	2314	3427	5664	8339	34234
<b>Lung cancer</b>													
1995	1976	3	870	9	31	63	117	121	211	318	392	337	374
2000	2317	1	943	12	26	69	130	181	222	303	437	404	532
<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	520.1*	46.4*	425.7*	68.7	105.3	169.8	281.8	432.5	719.8	1202.1	2055.7	3537.1	10497.7
2000	461.6*	43.2*	367.3*	74.6	103.2	154.4	240.1	392.2	600.3	1006.8	1720.0	2959.2	9731.1
<b>All cancer</b>													
1995	147.0*	5.6*	209.6*	24.2	51.7	94.0	163.3	235.6	367.3	531.0	707.9	922.7	1375.1
2000	135.6*	5.0*	185.1*	25.7	46.5	82.1	139.3	225.5	316.5	460.3	661.7	879.0	1372.7
<b>Lung cancer</b>													
1995	20.6*	0.1*	31.8*	1.2	4.6	10.3	24.5	30.7	59.8	91.3	126.1	144.7	130.3
2000	21.1*	0.0*	31.6*	1.6	3.5	10.1	21.0	38.1	57.6	89.0	132.7	143.4	151.2
<b>Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)</b>													
1995	4.8*	0.1*	5.9*	0.4	0.6	1.0	4.6	7.6	13.0	14.1	24.5	37.4	57.5
2000	4.4*	0.1*	5.5*	0.7	1.5	1.8	4.0	6.5	8.8	15.3	21.3	25.9	58.8
<b>Other cancer</b>													
1995	121.6*	5.4*	171.9*	22.5	46.5	82.8	134.2	197.4	294.4	425.7	557.3	740.7	1187.4
2000	110.1*	4.8*	148.1*	23.5	41.5	70.3	114.2	180.8	250.1	356.1	507.7	709.7	1162.6
<b>Chronic obstructive pulmonary disease (COPD)</b>													
1995	22.9*	0.6*	23.9*	0.6	1.5	3.6	7.7	21.5	46.5	86.1	139.3	188.9	330.2
2000	19.4*	0.5*	19.4*	1.9	1.9	3.5	6.8	19.8	31.4	70.5	109.9	156.1	309.3
<b>Other respiratory disease</b>													
1995	12.4*	1.0*	6.4*	1.9	1.2	2.6	4.4	5.8	9.6	18.9	41.2	67.4	348.3
2000	16.7*	0.6*	6.6*	0.4	1.2	2.5	2.7	6.5	10.4	22.3	45.6	95.8	539.2
<b>Vascular disease</b>													
1995	216.3*	2.0*	102.2*	8.8	14.4	23.0	46.1	83.4	177.0	362.8	818.9	1678.4	6116.7
2000	173.8*	2.2*	76.8*	9.3	14.2	23.5	35.9	69.3	126.6	258.8	586.1	1205.8	5220.6
<b>Liver cirrhosis</b>													
1995	3.1*	0.2*	5.5*	1.4	2.7	2.8	6.3	8.6	6.0	10.9	11.6	14.2	11.8
2000	2.6*	0.1*	4.3*	0.9	2.2	3.5	5.8	5.7	6.5	5.6	12.1	9.2	9.7
<b>Other medical causes</b>													
1995	97.0*	22.5*	58.4*	15.5	14.6	22.7	33.7	60.0	95.9	166.8	300.8	614.0	2128.9
2000	90.6*	19.8*	54.9*	15.1	13.9	22.5	34.6	47.4	87.9	163.0	266.6	560.7	2051.2
<b>All non-medical causes</b>													
1995	21.4*	14.5*	19.7*	16.3	19.3	21.1	20.3	17.5	17.6	25.5	36.0	51.5	186.7
2000	22.8*	15.1*	20.2*	21.2	23.3	16.8	15.0	18.1	21.0	26.1	38.0	52.5	228.5

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

## AUSTRALIA: 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	– / 4.2	– / 2.0	–
35–69	4.3 / 20	1.7 / 11	23 years
70+	8.2 / 43	5.0 / 48	8 years
All ages	12 / 67	6.7 / 62	13 years

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

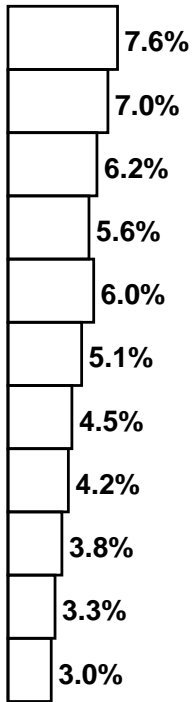
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/0.0	1.6/1.9	2.4/2.7	4.0/4.6	–/0.0	0.7/0.9	1.1/1.4	1.7/2.3
All Cancer	–/0.3	2.4/7.7 (31%)	3.7/12 (30%)	6.1/20	–/0.2	0.8/5.8 (14%)	1.4/9.5 (15%)	2.3/16
Vascular	–/0.2	0.9/5.5	1.7/18	2.7/24	–/0.1	0.3/2.3	1.5/24	1.9/26
Respiratory	–/0.1	0.5/1.1	2.1/4.8	2.6/6.0	–/0.1	0.3/0.7	1.4/4.2	1.7/5.0
All Other	–/3.7	0.4/5.4	0.7/8.0	1.1/17	–/1.6	0.2/2.7	0.6/11	0.9/15
All Causes	–/4.2	4.3/20 (22%)	8.2/43 (19%)	12/67	–/2.0	1.7/11 (15%)	5.0/48 (10%)	6.7/62

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

Cause	Male	Female	Male + Female
All Cancer	6.1 / 20 (30%)	2.3 / 16 (14%)	8.4 / 36 (23%)
All Causes	12 / 67 (19%)	6.7 / 62 (11%)	19 / 129 (15%)

1950-2000: AUSTRALIA

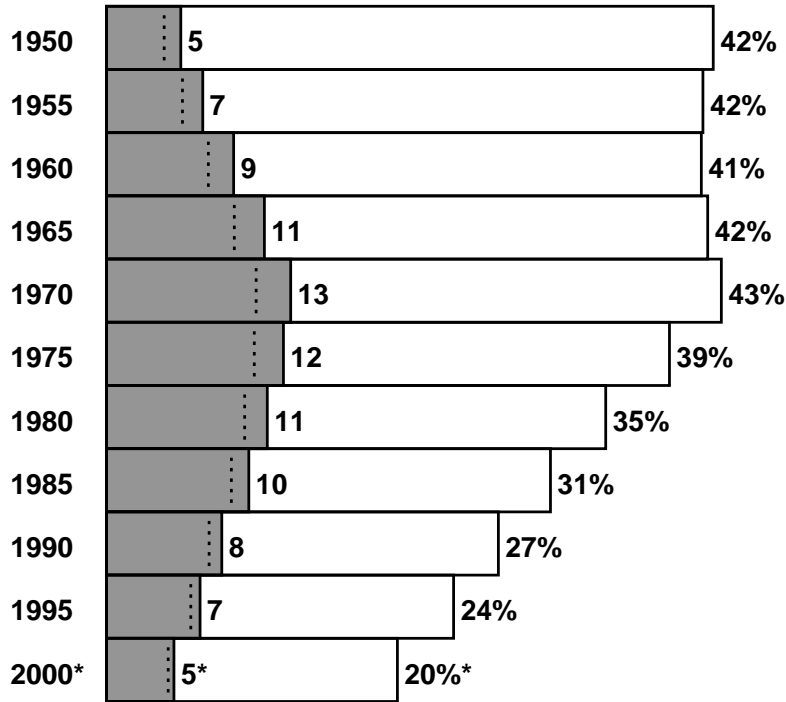
Population risk of dying at ages 0-34



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

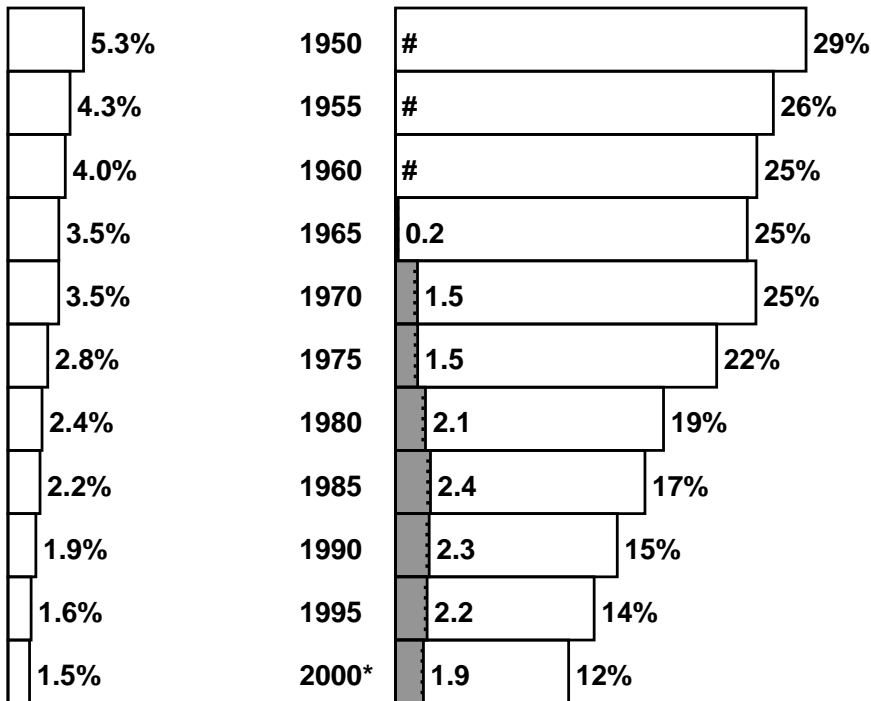
\*eg, at year 2000 male death rates, out of 100 men aged 35, 20 would die before age 70 (with 5 of these deaths attributed to smoking)

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

<b>AUSTRALIA: 1950-2000</b>
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**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>	-/6.1	2.5/20 <b>(13%)</b>	0.3/18 <b>(2%)</b>	2.8/44	-/4.1	0.0/13	0.0/18	0.0/34
<b>1955</b>	-/6.1	3.4/21 <b>(17%)</b>	1.3/20 <b>(7%)</b>	4.7/46	-/3.7	0.0/12	0.0/20	0.0/36
<b>1960</b>	-/6.0	4.7/22 <b>(22%)</b>	1.9/22 <b>(9%)</b>	6.6/50	-/3.8	0.0/13	0.0/22	0.0/39
<b>1965</b>	-/5.9	6.5/25 <b>(26%)</b>	3.2/25 <b>(13%)</b>	9.7/56	-/3.6	0.1/14 <b>(0.8%)</b>	0.1/27 <b>(0.3%)</b>	0.2/44
<b>1970</b>	-/6.9	8.4/28 <b>(30%)</b>	4.9/28 <b>(18%)</b>	13/63	-/3.9	1.0/15 <b>(6%)</b>	0.3/31 <b>(0.8%)</b>	1.2/50
<b>1975</b>	-/6.3	8.6/28 <b>(31%)</b>	5.6/27 <b>(21%)</b>	14/61	-/3.2	1.0/15 <b>(7%)</b>	0.6/30 <b>(2%)</b>	1.6/48
<b>1980</b>	-/5.6	8.3/26 <b>(32%)</b>	6.6/29 <b>(23%)</b>	15/61	-/2.8	1.5/13 <b>(11%)</b>	1.2/32 <b>(4%)</b>	2.7/48
<b>1985</b>	-/5.6	7.7/24 <b>(32%)</b>	7.6/34 <b>(22%)</b>	15/64	-/2.8	1.8/13 <b>(14%)</b>	2.0/38 <b>(5%)</b>	3.9/54
<b>1990</b>	-/5.2	6.7/23 <b>(29%)</b>	7.3/35 <b>(21%)</b>	14/64	-/2.5	1.9/13 <b>(15%)</b>	3.1/40 <b>(8%)</b>	5.0/55
<b>1995</b>	-/4.6	5.5/22 <b>(26%)</b>	8.1/40 <b>(20%)</b>	14/66	-/2.2	1.8/12 <b>(15%)</b>	4.6/45 <b>(10%)</b>	6.4/59
<b>2000</b>	-/4.2	4.3/20 <b>(22%)</b>	8.2/43 <b>(19%)</b>	12/67	-/2.0	1.7/11 <b>(15%)</b>	5.0/48 <b>(10%)</b>	6.7/62

**50-year total\* (thousands), mid-1950 to mid-2000: 697 / 5337**

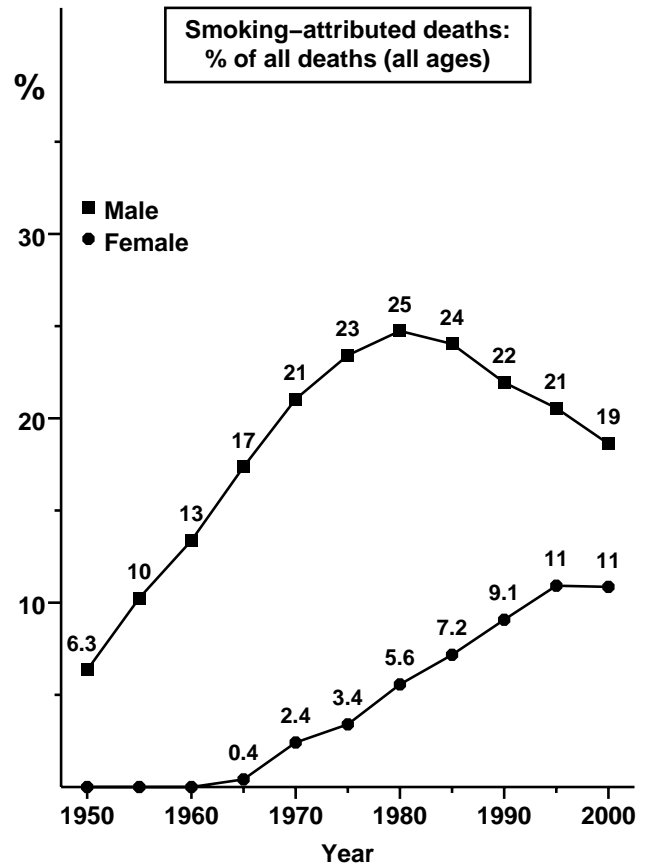
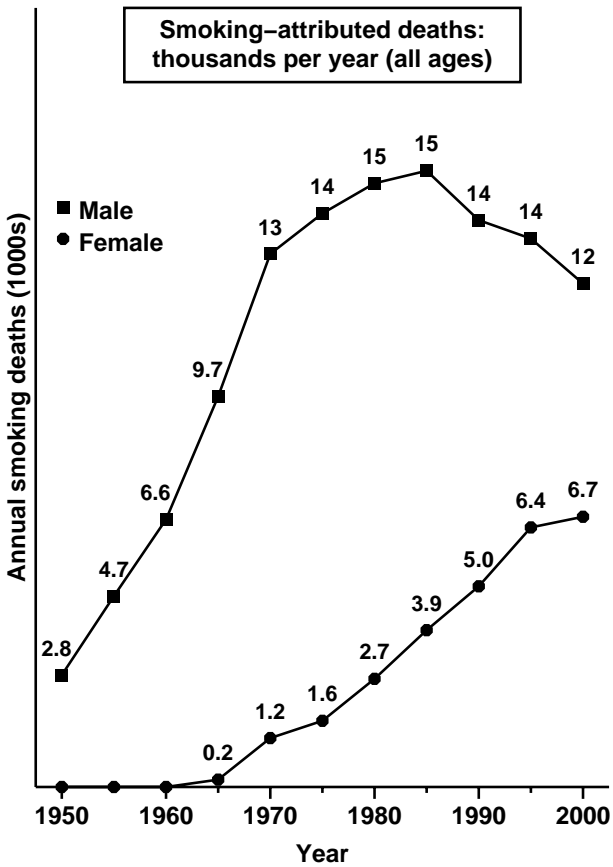
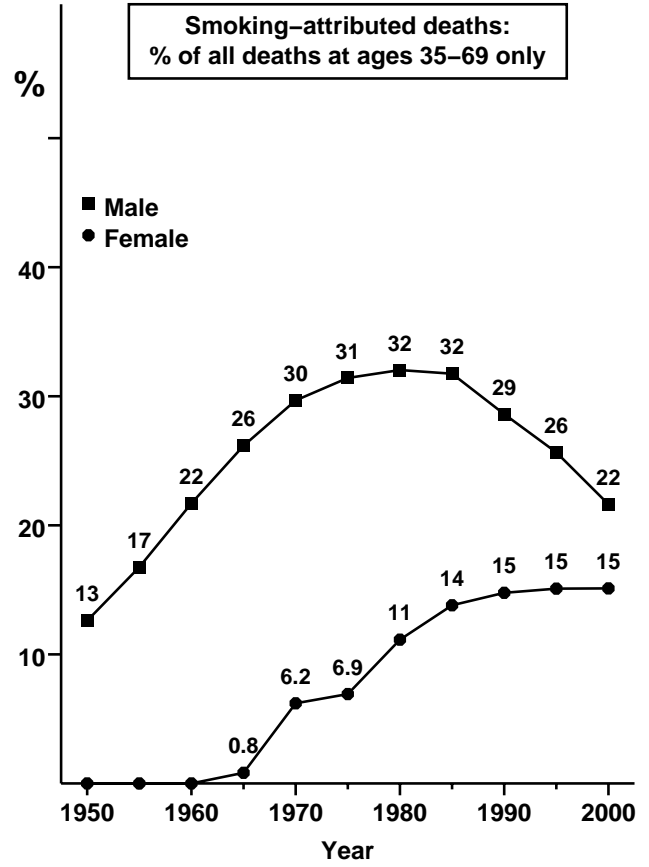
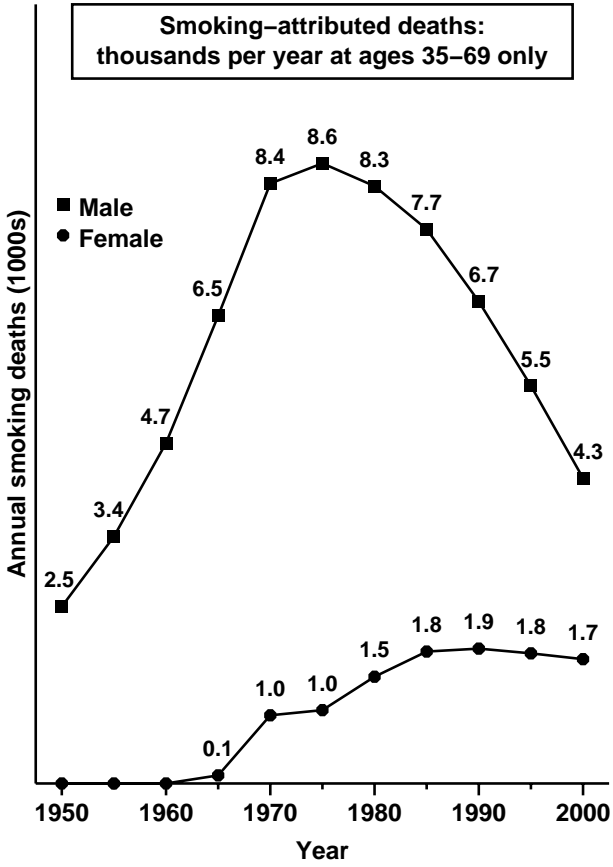
**1950-2000 by age & sex:**

-/285	319/1190 <b>(27%)</b>	256/1450 <b>(18%)</b>	575/2924	-/156	48/663 <b>(7%)</b>	74/1594 <b>(5%)</b>	121/2413
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\*Estimated as 10 times the sum of the annual numbers for 1955, 1965, 1975, 1985 & 1995

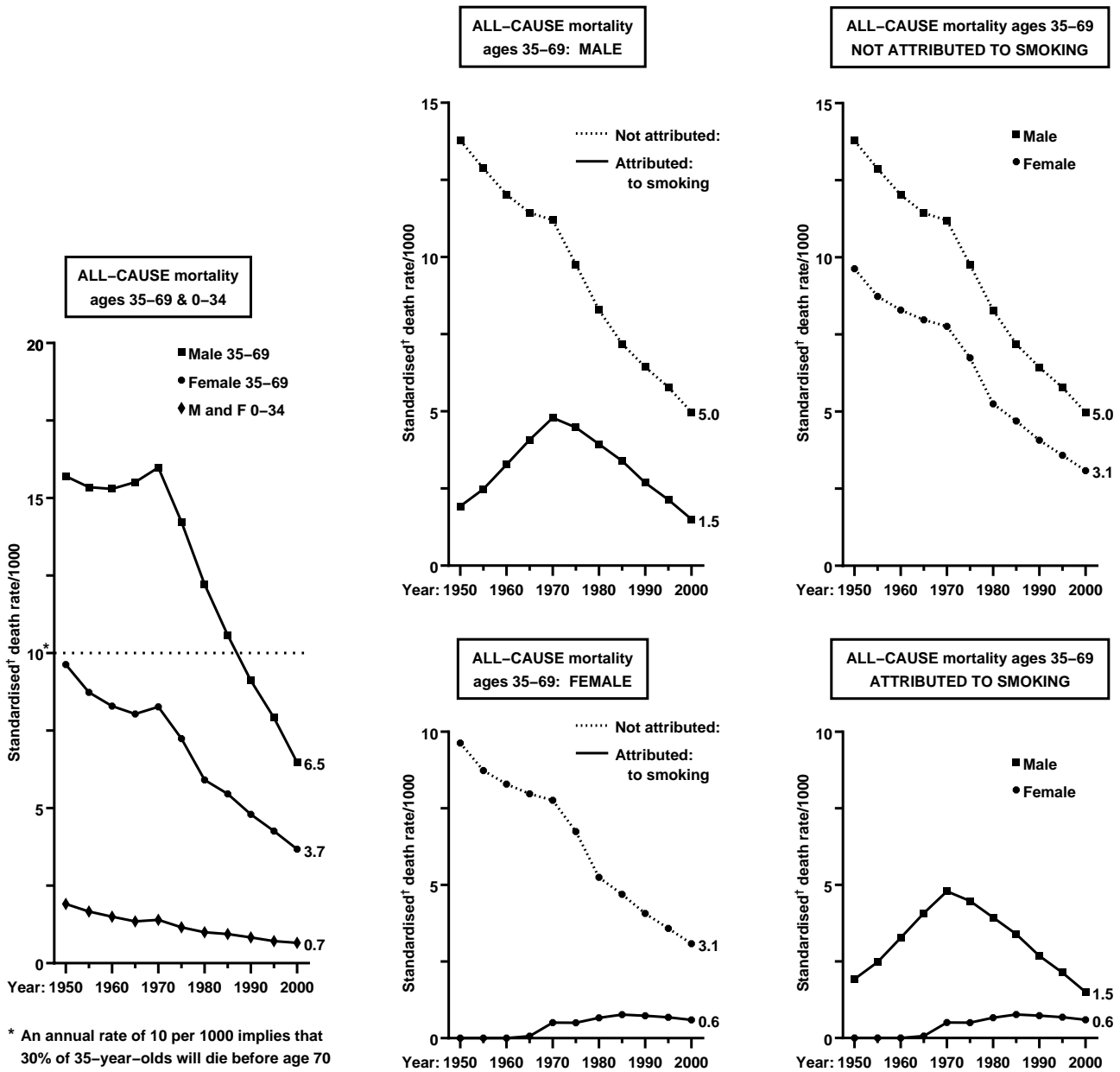


1950-2000: AUSTRALIA



**AUSTRALIA: 1950-2000**

**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

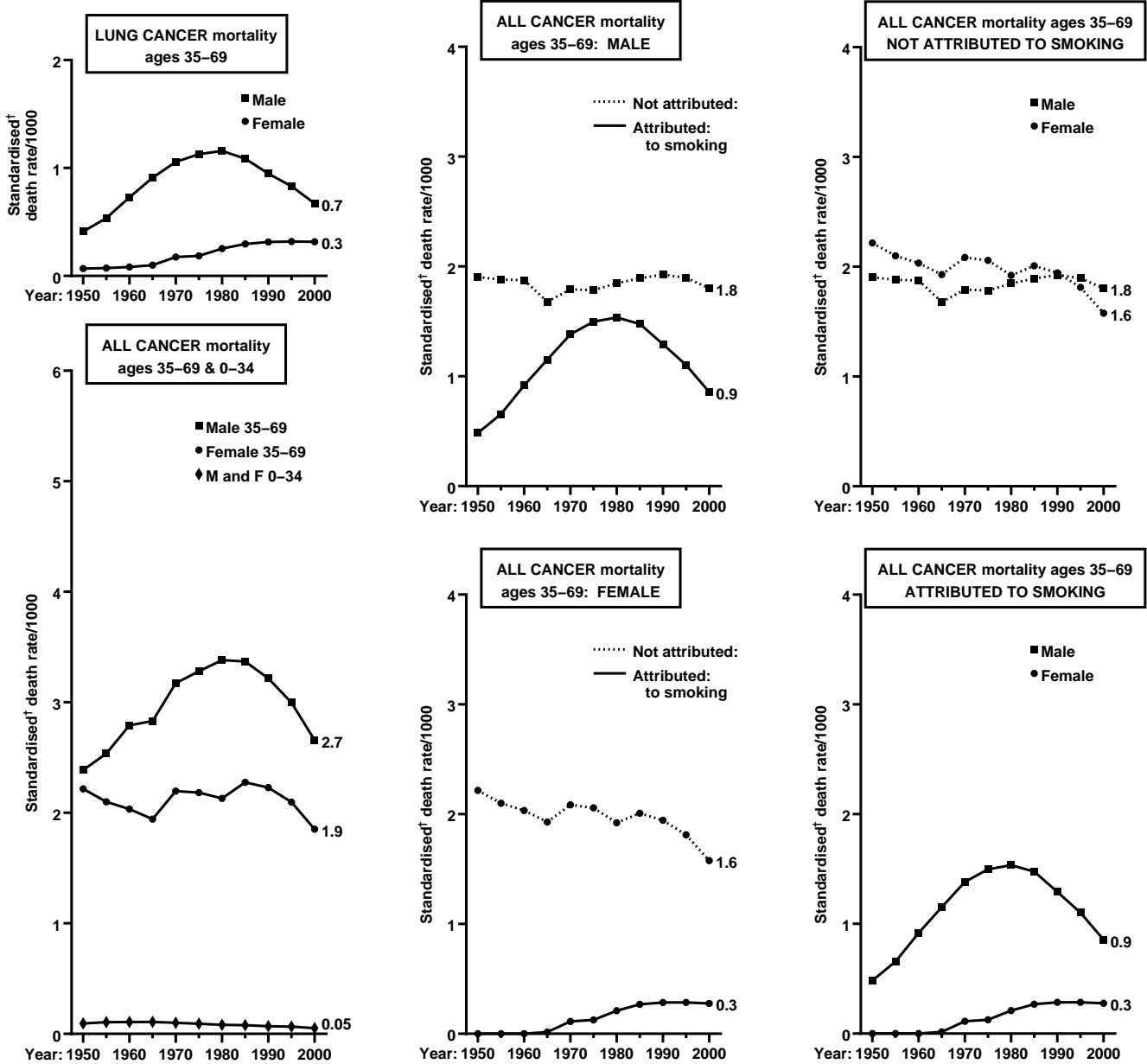
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

Year	MALE all-cause mortality (annual rate/1000, by age)								FEMALE all-cause mortality (annual rate/1000, by age)									
	0-34		35-69		70-79		0-34		35-69		70-79		0-34		35-69		70-79	
	Attributed to smoking?		Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No
1950	-	2.27	1.92	13.8	1.64	81.0	-	1.55	0.00	9.63	0.00	57.1	-	1.55	0.00	9.63	0.00	57.1
1955	-	2.06	2.48	12.9	5.89	74.0	-	1.26	0.00	8.73	0.00	53.9	-	1.26	0.00	8.73	0.00	53.9
1960	-	1.83	3.27	12.0	7.63	72.6	-	1.16	0.00	8.29	0.00	49.7	-	1.16	0.00	8.29	0.00	49.7
1965	-	1.66	4.07	11.4	11.5	69.9	-	1.03	0.06	7.97	0.22	49.0	-	1.03	0.06	7.97	0.22	49.0
1970	-	1.76	4.79	11.2	16.6	69.0	-	1.03	0.50	7.76	0.61	49.0	-	1.03	0.50	7.76	0.61	49.0
1975	-	1.51	4.47	9.76	17.0	57.3	-	0.80	0.50	6.74	1.08	41.1	-	0.80	0.50	6.74	1.08	41.1
1980	-	1.30	3.93	8.28	17.0	51.1	-	0.69	0.66	5.25	1.77	34.1	-	0.69	0.66	5.25	1.77	34.1
1985	-	1.23	3.39	7.18	15.5	47.7	-	0.65	0.77	4.69	2.58	32.0	-	0.65	0.77	4.69	2.58	32.0
1990	-	1.09	2.68	6.43	12.4	42.0	-	0.56	0.73	4.07	3.29	27.6	-	0.56	0.73	4.07	3.29	27.6
1995	-	0.95	2.13	5.78	11.4	38.0	-	0.46	0.68	3.58	3.93	24.0	-	0.46	0.68	3.58	3.93	24.0
2000	-	0.87	1.50	4.97	9.32	32.9	-	0.43	0.59	3.08	3.42	20.0	-	0.43	0.59	3.08	3.42	20.0

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

1950-2000: AUSTRALIA

ALL CANCER mortality rates attributed and not attributed to smoking



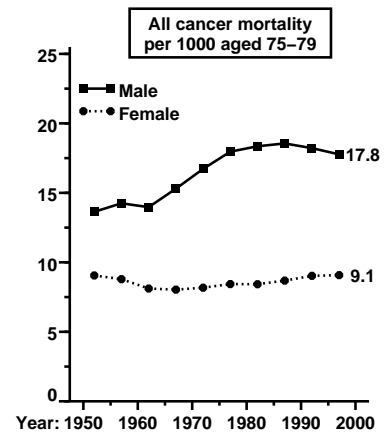
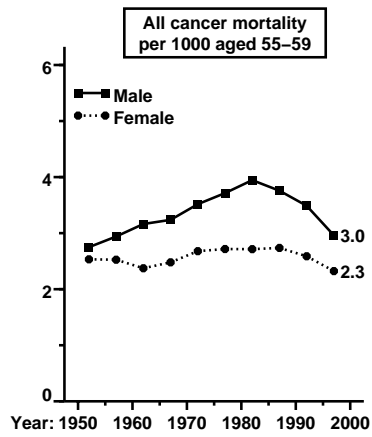
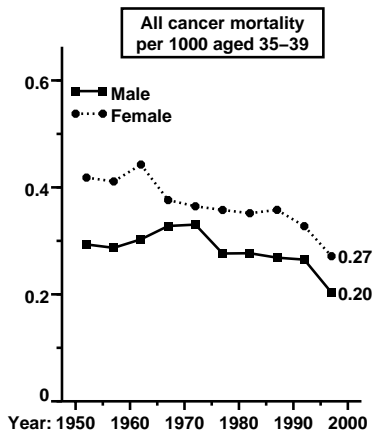
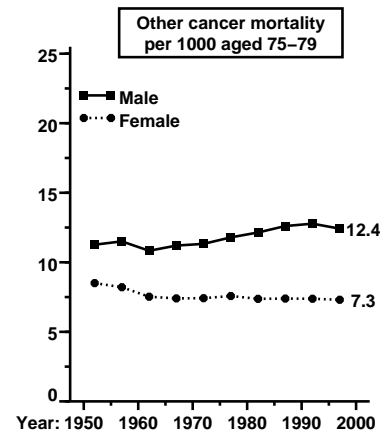
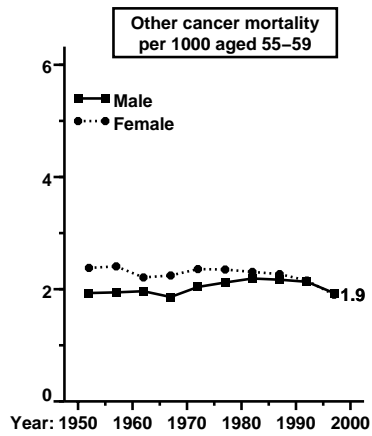
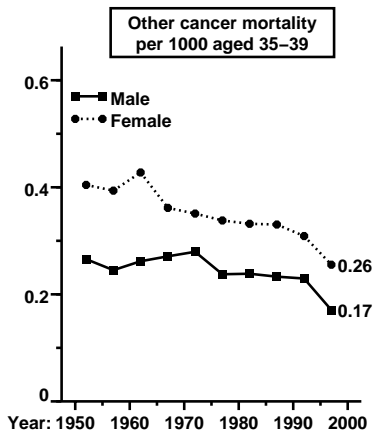
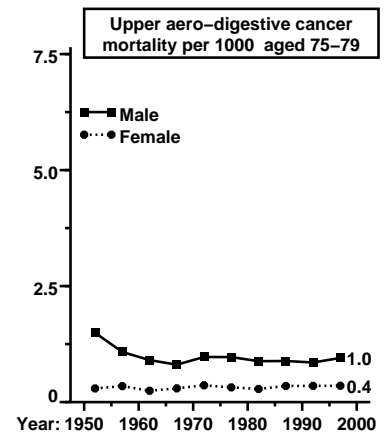
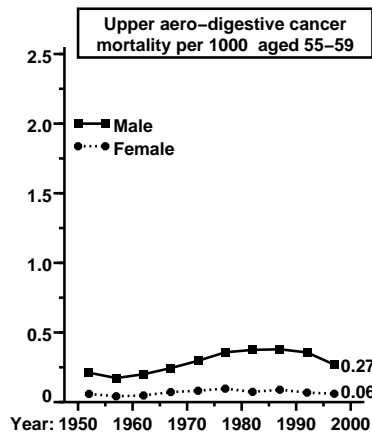
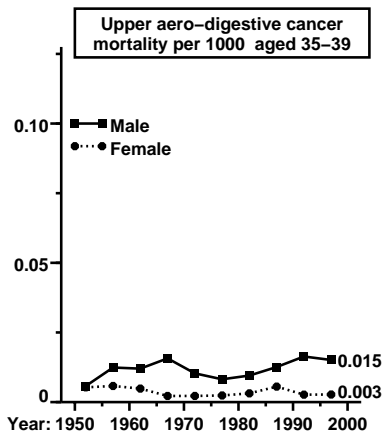
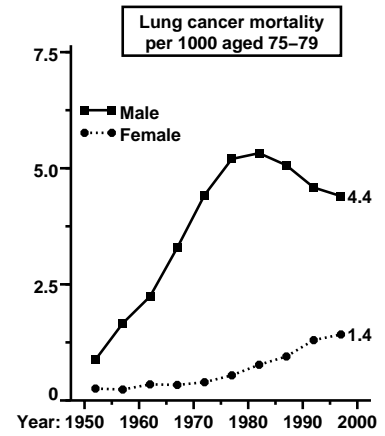
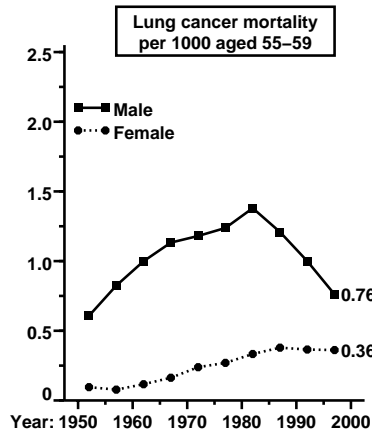
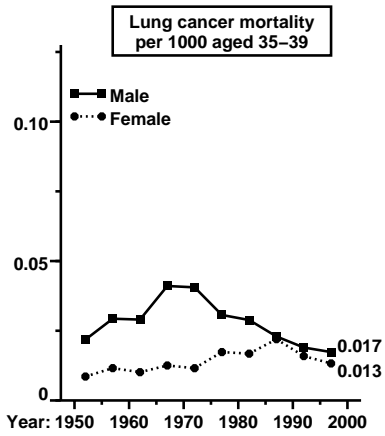
† Mean of 7 age-specific rates, ages 35-69 (or ages 0-34)

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		0-34		35-69		70-79	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No		
1950	-	0.10	0.48	1.90	0.47	11.2	-	0.08	0.00	2.22	0.00	7.58		
1955	-	0.11	0.66	1.88	1.83	9.91	-	0.10	0.00	2.10	0.00	7.74		
1960	-	0.11	0.92	1.87	2.26	9.43	-	0.10	0.00	2.03	0.00	6.84		
1965	-	0.12	1.15	1.68	3.50	9.38	-	0.10	0.01	1.93	0.04	6.97		
1970	-	0.11	1.38	1.79	4.90	9.40	-	0.09	0.11	2.08	0.12	6.88		
1975	-	0.10	1.50	1.78	5.85	9.18	-	0.08	0.13	2.06	0.26	6.95		
1980	-	0.08	1.53	1.85	6.36	9.28	-	0.08	0.21	1.92	0.49	6.87		
1985	-	0.08	1.48	1.89	6.12	9.88	-	0.08	0.27	2.01	0.72	6.96		
1990	-	0.07	1.29	1.92	5.40	10.1	-	0.06	0.28	1.94	1.02	6.75		
1995	-	0.07	1.10	1.89	5.37	10.2	-	0.06	0.28	1.81	1.37	6.78		
2000	-	0.05	0.86	1.80	4.92	10.1	-	0.05	0.28	1.58	1.36	6.34		

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

**AUSTRALIA: 1950-2000**

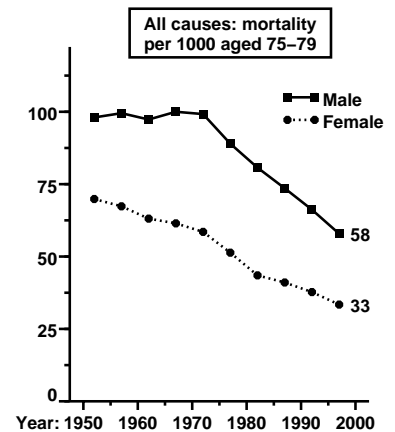
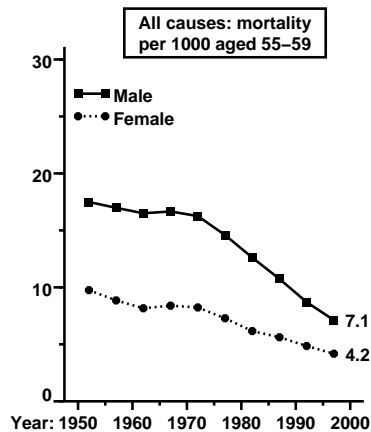
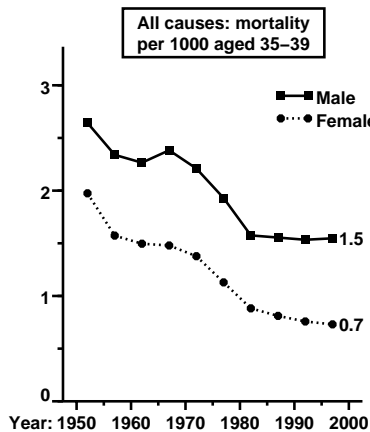
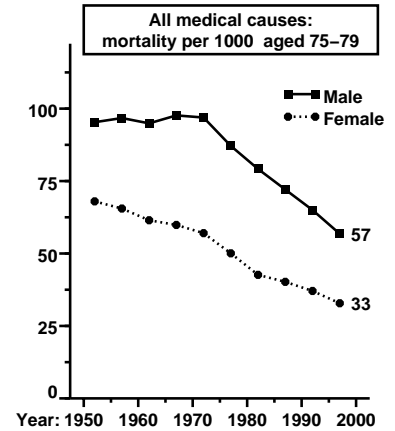
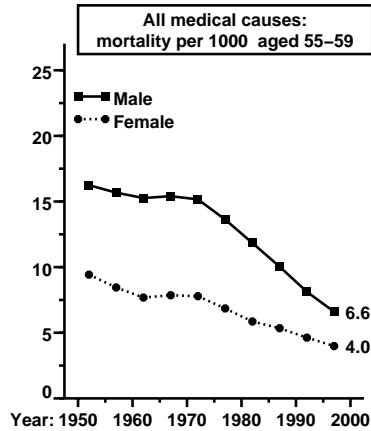
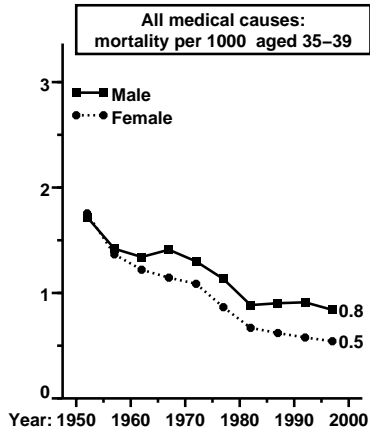
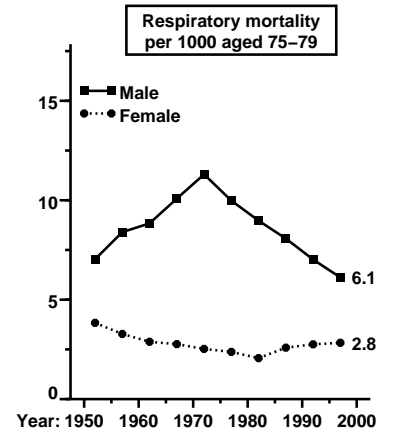
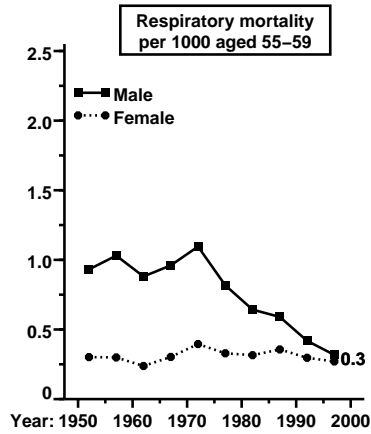
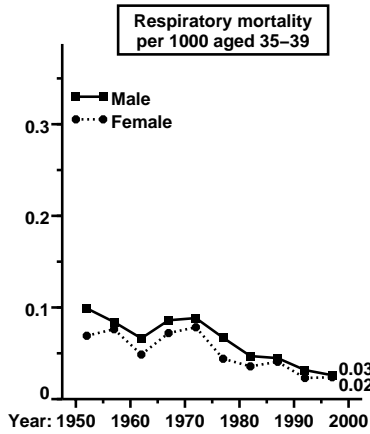
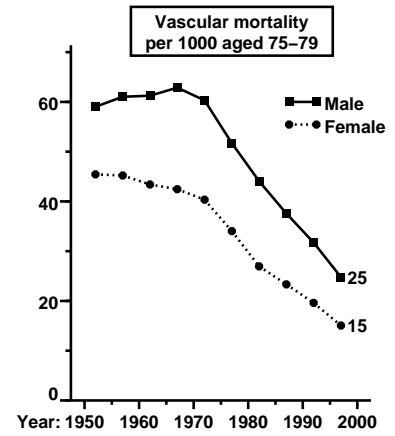
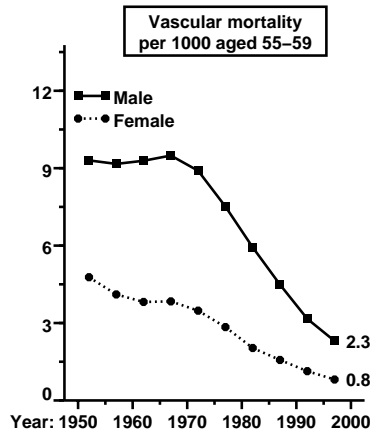
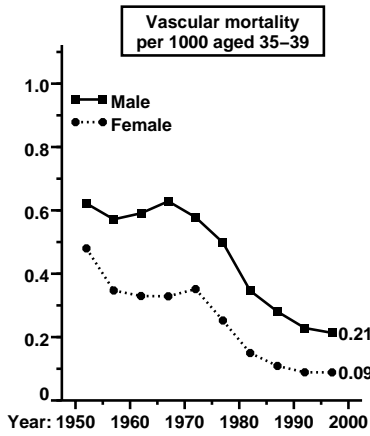
**Mortality\* trends at selected ages: 35-39, 55-59 & 75-79**



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 50-51

1950-2000: AUSTRALIA

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



\* Annual mortality per 1000: averages of years available in 1950-54,.....,1995-99; year 2000 on pages 50-51