

Appendix 6b of ‘An Atlas of Tobacco Smoking Scotland’, NHS Health Scotland

Mortality from Smoking for NHS Boards, 2000-2004

Calculated by Jillian Boreham (CTSU, University of Oxford)

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Ayrshire and Arran: 2000-04

		No. of deaths			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	10556	407	3411	946.4	112.5	936.5	187.4	12.5	15.9	108.0	150.8	152.2	160.8
	F	12053	159	2414	657.6	44.0	602.8	108.9	5.6	6.6	32.0	47.7	53.8	53.1
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	2843	23	1046	251.1	6.2	292.4	6.3	3.6	1.6	3.5	6.2	8.7	13.4
	F	2821	20	1025	181.4	5.3	255.0	6.5	-	-	-	14.5	2.1	13.7
Mouth and pharynx cancer	M	56	-	25	5.0	-	6.8	-	-	-	-	-	-	-
	F	35	-	12	2.2	-	3.0	-	-	-	-	-	-	-
Oesophagus cancer	M	156	-	71	14.0	-	19.2	-	-	-	-	-	-	-
	F	124	1	39	7.6	0.3	9.8	-	-	-	-	2.1	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	31	-	14	2.8	-	3.8	-	-	-	-	-	-	-
	F	10	-	3	0.6	-	0.8	-	-	-	-	-	-	-
Lung cancer	M	827	2	330	72.9	0.5	94.2	-	-	-	-	-	-	3.4
	F	598	-	243	39.6	-	61.8	-	-	-	-	-	-	-
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	1773	21	606	156.4	5.7	168.3	6.3	3.6	1.6	3.5	6.2	8.7	10.1
	F	2054	19	728	131.4	5.0	179.5	6.5	-	-	-	12.4	2.1	13.7
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	4199	27	1270	365.5	7.2	356.3	-	1.8	1.6	1.7	10.3	13.0	21.8
	F	4988	12	645	245.1	3.3	166.1	-	-	-	1.8	2.1	14.5	4.6
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	562	4	134	48.0	1.0	39.2	-	3.6	-	-	2.1	-	1.7
	F	638	3	139	36.6	0.8	36.2	-	-	-	-	-	4.1	1.5
Other respiratory disease	M	627	7	99	53.4	1.9	27.3	6.3	-	-	1.7	2.1	-	3.4
	F	861	4	66	39.0	1.0	16.6	-	-	-	-	2.1	2.1	3.0
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	257	5	209	25.7	1.2	53.2	-	-	-	-	-	-	8.4
	F	153	2	126	13.7	0.4	29.5	-	-	-	-	-	-	3.0
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	1547	161	417	145.2	45.7	111.5	172.6	1.8	9.6	29.6	37.2	32.6	36.9
	F	2295	80	320	121.1	23.1	78.6	98.0	-	3.3	12.4	14.5	16.6	16.7
ALL NON- MEDICAL CAUSES	M	521	180	236	57.4	49.2	56.7	2.1	1.8	3.2	71.4	93.0	97.8	75.4
	F	297	38	93	20.8	10.1	20.8	4.4	5.6	3.3	17.8	14.5	14.5	10.6
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		874.6	377.8	411.4	47.5	56.1	62.7	57.4	48.4	46.0	59.7
			F=female		961.0	378.2	445.8	45.9	53.4	60.2	56.3	48.2	48.3	65.9

2000-04: Ayrshire and Arran

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			
183.3	271.3	385.6	557.5	933.6	1666.7	2557.6	4384.6	6850.0	14065.8	M	ALL CAUSES	001-999/A00-Y89
84.0	156.9	245.8	415.3	643.0	1023.9	1651.0	2706.1	4786.1	11955.6	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
23.8	42.7	98.0	168.5	287.4	581.8	844.2	1424.5	2123.1	2971.2	M	ALL CANCER	140-208/C00-C97
26.7	49.0	113.7	186.3	331.8	411.0	666.7	875.0	1312.8	1640.7	F		
-	1.5	1.6	6.3	10.0	12.1	15.8	25.6	42.3	45.3	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.5	1.5	4.7	5.5	7.8	11.0	16.0	22.2	F		
-	3.0	6.5	17.3	28.2	36.4	42.9	65.5	115.4	131.7	M	Oesophagus cancer	150/C15
-	-	3.1	4.6	17.4	18.3	25.5	39.5	53.5	85.2	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	-	1.6	3.1	5.0	8.1	9.0	14.2	23.1	24.7	M	Larynx cancer	161/C32
-	-	-	-	1.6	1.8	2.0	2.2	5.3	7.4	F		
3.0	6.1	19.6	53.5	81.4	177.8	318.3	475.8	638.5	666.7	M	Lung cancer	162/C33, C34
4.0	4.2	15.4	35.1	75.8	110.1	188.2	208.3	323.5	257.4	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
20.9	32.0	68.6	88.2	162.8	347.5	458.2	843.3	1303.8	2102.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
22.7	44.8	93.7	145.0	232.2	275.2	443.1	614.0	914.4	1268.5	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F	Leukaemia	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Diabetes	
...	...	...	...	...	...	...	...	...	...	M		
32.8	57.9	130.7	181.1	345.5	642.4	1103.8	1786.3	2896.2	6263.4	M	ALL VASCULAR DISEASE	390-459/I00-199
13.3	32.2	36.9	77.9	118.5	322.9	560.8	1048.2	2018.7	5737.0	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
1.5	4.6	8.2	12.6	23.3	70.7	153.5	296.3	473.1	810.7	F	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	1.4	1.5	18.3	34.8	62.4	135.3	263.2	371.7	438.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
4.5	6.1	9.8	17.3	28.2	48.5	76.7	219.4	396.2	1403.3	F		
4.0	2.8	3.1	7.6	19.0	36.7	43.1	103.1	307.5	1164.8	M		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
14.9	38.1	44.1	61.4	63.1	62.6	88.0	85.5	26.9	24.7	M	Liver cirrhosis	571/K70, K74
12.0	14.0	21.5	44.3	31.6	44.0	39.2	28.5	10.7	14.8	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
38.7	53.4	50.7	63.0	126.2	200.0	248.3	504.3	830.8	2370.4	M	Other medical causes	Rest of 001-799/ rest of A00-R99
12.0	33.6	47.6	59.5	79.0	132.1	186.3	361.8	713.9	2709.3	F		
67.1	68.6	44.1	53.5	59.8	60.6	42.9	68.4	103.8	222.2	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
16.0	23.8	21.5	21.4	28.4	14.7	19.6	26.3	50.8	250.0	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
67.1	65.6	61.2	63.5	60.2	49.5	44.3	35.1	26.0	24.3	M	POPULATION	
75.0	71.4	65.1	65.5	63.3	54.5	51.0	45.6	37.4	54.0	F	(1000s; 5 times year 2002)	

Ayrshire and Arran: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	407	23	2	0	21	4	7	27	5	161	180
35-69	Sm.	938	436	298	63	75	98	22	287	-	95	-
	Total	3411	1046	330	110	606	134	99	1270	209	417	236
		(27%)	(42%)	(90%)	(57%)	(12%)	(73%)	(22%)	(23%)		(23%)	
70+	Sm.	1669	721	458	85	178	327	72	414	-	135	-
	Total	6738	1774	495	133	1146	424	521	2902	43	969	105
		(25%)	(41%)	(93%)	(64%)	(16%)	(77%)	(14%)	(14%)		(14%)	
Any age	Sm.	2607	1157	756	148	253	425	94	701	-	230	-
	Total	10556	2843	827	243	1773	562	627	4199	257	1547	521
		(25%)	(41%)	(91%)	(61%)	(14%)	(76%)	(15%)	(17%)		(15%)	

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; 5 times year 2002)													
2000-0	874.6	377.8	411.4	67.1	65.6	61.2	63.5	60.2	49.5	44.3	35.1	26.0	24.3
NUMBER OF DEATHS													
All causes													
2000-0	10556	407	3411	123	178	236	354	562	825	1133	1539	1781	3418
Lung cancer													
2000-0	827	2	330	2	4	12	34	49	88	141	167	166	162
ANNUAL DEATH RATE / 100,000													
All causes													
2000-0	946.4*	112.5*	936.5*	183.3	271.3	385.6	557.5	933.6	1666.7	2557.6	4384.6	6850.0	14065.8
All cancer													
2000-0	251.1*	6.2*	292.4*	23.8	42.7	98.0	168.5	287.4	581.8	844.2	1424.5	2123.1	2971.2
Lung cancer													
2000-0	72.9*	0.5*	94.2*	3.0	6.1	19.6	53.5	81.4	177.8	318.3	475.8	638.5	666.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	21.8*	-	29.8*	-	4.6	9.8	26.8	43.2	56.6	67.7	105.4	180.8	201.6
Other cancer													
2000-0	156.4*	5.7*	168.3*	20.9	32.0	68.6	88.2	162.8	347.5	458.2	843.3	1303.8	2102.9
Chronic obstructive pulmonary disease (COPD)													
2000-0	48.0*	1.0*	39.2*	1.5	4.6	8.2	12.6	23.3	70.7	153.5	296.3	473.1	810.7
Other respiratory disease													
2000-0	53.4*	1.9*	27.3*	4.5	6.1	9.8	17.3	28.2	48.5	76.7	219.4	396.2	1403.3
Vascular disease													
2000-0	365.5*	7.2*	356.3*	32.8	57.9	130.7	181.1	345.5	642.4	1103.8	1786.3	2896.2	6263.4
Liver cirrhosis													
2000-0	25.7*	1.2*	53.2*	14.9	38.1	44.1	61.4	63.1	62.6	88.0	85.5	26.9	24.7
Other medical causes													
2000-0	145.2*	45.7*	111.5*	38.7	53.4	50.7	63.0	126.2	200.0	248.3	504.3	830.8	2370.4
All non-medical causes													
2000-0	57.4*	49.2*	56.7*	67.1	68.6	44.1	53.5	59.8	60.6	42.9	68.4	103.8	222.2

2000-04: Ayrshire and Arran

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	159	20	0	1	19	3	4	12	2	80	38
35-69	Sm.	672	270	205	32	33	108	18	187	-	89	-
	Total	2414 (28%)	1025 (26%)	243 (84%)	54 (59%)	728 (5%)	139 (78%)	66 (27%)	645 (29%)	126	320 (28%)	93
70+	Sm.	1923	477	315	77	85	406	115	647	-	278	-
	Total	9480 (20%)	1776 (27%)	355 (89%)	114 (68%)	1307 (7%)	496 (82%)	791 (15%)	4331 (15%)	25	1895 (15%)	166
Any age	Sm.	2595	747	520	109	118	514	133	834	-	367	-
	Total	12053 (22%)	2821 (26%)	598 (87%)	169 (64%)	2054 (6%)	638 (81%)	861 (15%)	4988 (17%)	153	2295 (16%)	297

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; 5 times year 2002)													
2000-0	961.0	378.2	445.8	75.0	71.4	65.1	65.5	63.3	54.5	51.0	45.6	37.4	54.0
NUMBER OF DEATHS													
All causes													
2000-0	12053	159	2414	63	112	160	272	407	558	842	1234	1790	6456
Lung cancer													
2000-0	598	-	243	3	3	10	23	48	60	96	95	121	139
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	657.6*	44.0*	602.8*	84.0	156.9	245.8	415.3	643.0	1023.9	1651.0	2706.1	4786.1	11955.6
All cancer													
2000-0	181.4*	5.3*	255.0*	26.7	49.0	113.7	186.3	331.8	411.0	666.7	875.0	1312.8	1640.7
Lung cancer													
2000-0	39.6*	-	61.8*	4.0	4.2	15.4	35.1	75.8	110.1	188.2	208.3	323.5	257.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	10.4*	0.3*	13.6*	-	-	4.6	6.1	23.7	25.7	35.3	52.6	74.9	114.8
Other cancer													
2000-0	131.4*	5.0*	179.5*	22.7	44.8	93.7	145.0	232.2	275.2	443.1	614.0	914.4	1268.5
Chronic obstructive pulmonary disease (COPD)													
2000-0	36.6*	0.8*	36.2*	-	1.4	1.5	18.3	34.8	62.4	135.3	263.2	371.7	438.9
Other respiratory disease													
2000-0	39.0*	1.0*	16.6*	4.0	2.8	3.1	7.6	19.0	36.7	43.1	103.1	307.5	1164.8
Vascular disease													
2000-0	245.1*	3.3*	166.1*	13.3	32.2	36.9	77.9	118.5	322.9	560.8	1048.2	2018.7	5737.0
Liver cirrhosis													
2000-0	13.7*	0.4*	29.5*	12.0	14.0	21.5	44.3	31.6	44.0	39.2	28.5	10.7	14.8
Other medical causes													
2000-0	121.1*	23.1*	78.6*	12.0	33.6	47.6	59.5	79.0	132.1	186.3	361.8	713.9	2709.3
All non-medical causes													
2000-0	20.8*	10.1*	20.8*	16.0	23.8	21.5	21.4	28.4	14.7	19.6	26.3	50.8	250.0

Ayrshire and Arran: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.4	– / 0.2	–
35–69	0.9 / 3.4	0.7 / 2.4	21 years
70+	1.7 / 6.7	1.9 / 9.5	8 years
All ages	2.6 / 11	2.6 / 12	12 years

Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

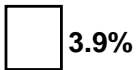
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 2	298/330	458/495	756/827	– / 0	205/243	315/355	520/598
All Cancer	– / 23	436/1046 (42%)	721/1774 (41%)	1157/2843	– / 20	270/1025 (26%)	477/1776 (27%)	747/2821
Vascular	– / 27	287/1270	414/2902	701/4199	– / 12	187/645	647/4331	834/4988
Respiratory	– / 11	120/233	399/945	519/1189	– / 7	126/205	521/1287	647/1499
All Other	– / 346	95/862	135/1117	230/2325	– / 120	89/539	278/2086	367/2745
All Causes	– / 407	938/3411 (27%)	1669/6738 (25%)	2607/10556	– / 159	672/2414 (28%)	1923/9480 (20%)	2595/12053

Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	1.2 / 2.8 (41%)	0.7 / 2.8 (26%)	1.9 / 5.7 (34%)
All Causes	2.6 / 11 (25%)	2.6 / 12 (22%)	5.2 / 23 (23%)

2000-04: Ayrshire and Arran

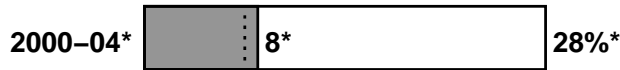
Population risk of dying at ages 0-34



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

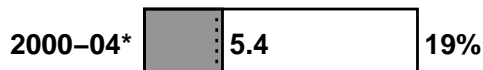
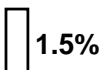
*eg, at years 2000-04 male death rates, out of 100 men aged 35, 28 would die before age 70 (with 8 of these deaths attributed to smoking)

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



Borders: 2000-04

		No. of deaths			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	3024	79	784	797.2	82.7	708.9	151.1	18.2	11.4	34.0	162.2	100.0	101.7
	F	3480	35	560	575.4	34.8	465.6	79.7	6.3	6.0	6.9	55.0	24.2	65.6
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	890	7	275	234.7	7.2	254.3	-	12.1	5.7	-	27.0	-	5.6
	F	859	8	254	169.9	6.9	209.1	7.2	-	-	-	-	8.1	32.8
Mouth and pharynx cancer	M	16	-	5	4.2	-	4.7	-	-	-	-	-	-	-
	F	8	-	2	1.5	-	1.8	-	-	-	-	-	-	-
Oesophagus cancer	M	51	1	18	14.0	1.3	16.2	-	-	-	-	9.0	-	-
	F	32	-	9	6.0	-	7.8	-	-	-	-	-	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	11	-	4	2.9	-	3.7	-	-	-	-	-	-	-
	F	2	-	-	0.3	-	-	-	-	-	-	-	-	-
Lung cancer	M	200	-	68	52.9	-	62.3	-	-	-	-	-	-	-
	F	167	1	55	34.6	0.8	47.3	-	-	-	-	-	-	5.5
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	612	6	180	160.6	5.9	167.3	-	12.1	5.7	-	18.0	-	5.6
	F	650	7	188	127.5	6.1	152.1	7.2	-	-	-	-	8.1	27.3
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	1166	4	278	296.1	3.6	254.1	-	-	-	-	-	8.3	16.9
	F	1364	1	121	199.2	1.0	104.9	7.2	-	-	-	-	-	-
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	181	-	42	45.3	-	39.0	-	-	-	-	-	-	-
	F	165	-	40	29.8	-	34.8	-	-	-	-	-	-	-
Other respiratory disease	M	157	-	21	37.7	-	19.2	-	-	-	-	-	-	-
	F	254	-	21	34.9	-	18.3	-	-	-	-	-	-	-
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	25	-	15	7.3	-	13.1	-	-	-	-	-	-	-
	F	26	1	16	7.0	0.8	12.4	-	-	-	-	-	-	5.5
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	432	31	83	116.8	31.2	73.5	115.1	6.1	5.7	13.6	27.0	16.7	33.9
	F	693	17	79	110.4	16.4	63.9	65.2	6.3	-	-	-	16.1	27.3
ALL NON- MEDICAL CAUSES	M	173	37	70	59.3	40.7	55.7	36.0	-	-	20.4	108.1	75.0	45.2
	F	119	8	29	24.2	9.7	22.4	-	-	6.0	6.9	55.0	-	-
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		258.8	103.4	125.6	13.9	16.5	17.5	14.7	11.1	12.0	17.7
			F=female		278.0	102.3	132.2	13.8	15.8	16.7	14.4	10.9	12.4	18.3

2000-04: Borders

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	F	
126.8	210.8	292.6	446.8	629.6	1513.3	1742.4	3438.0	5977.3	13696.6	M	F	ALL CAUSES 001-999/A00-Y89
55.8	126.2	195.8	345.4	520.6	804.9	1210.5	2284.7	4405.0	11519.8	M	F	Tuberculosis
...	...	...	...	...	...	...	...	...	...	M	F	HIV Not given separately
...	...	...	...	...	...	...	...	...	...	M	F	Other infective and parasitic
24.4	34.3	95.7	127.7	227.5	573.3	697.0	1479.3	1818.2	3022.5	M	F	ALL CANCER 140-208/C00-C97
27.9	56.1	95.2	164.9	273.2	365.9	480.3	912.4	1223.1	1830.5	M	F	Mouth and pharynx cancer 140-149/C00-C14
-	-	-	-	5.3	20.0	7.6	33.1	34.1	44.9	M	F	Oesophagus cancer 150/C15
-	-	-	10.6	21.2	66.7	15.2	82.6	90.9	157.3	M	F	Stomach cancer
-	-	-	10.3	-	18.3	26.3	29.2	49.6	73.4	M	F	Colorectal cancer
...	...	...	...	...	...	...	...	...	...	M	F	Liver cancer Not given separately
...	...	...	...	...	...	...	...	...	...	M	F	Pancreas cancer Not given separately
-	-	-	-	5.3	13.3	7.6	16.5	22.7	33.7	M	F	Larynx cancer 161/C32
-	9.8	16.0	31.9	89.9	106.7	181.8	396.7	409.1	539.3	M	F	Lung cancer 162/C33, C34
-	9.3	15.9	10.3	46.4	91.5	157.9	277.4	231.4	254.2	M	F	Malignant melanoma Not given separately
...	...	...	...	...	...	...	...	...	...	M	F	Female breast cancer
...	...	...	...	...	...	...	...	...	...	M	F	Cervix cancer
...	...	...	...	...	...	...	...	...	...	M	F	Other uterine cancer
...	...	...	...	...	...	...	...	...	...	M	F	Ovarian cancer Not given separately
...	...	...	...	...	...	...	...	...	...	M	F	Prostate cancer
...	...	...	...	...	...	...	...	...	...	M	F	Bladder cancer Not given separately
24.4	24.5	79.8	85.1	105.8	366.7	484.8	950.4	1261.4	2247.2	M	F	Other and ill-defined cancer sites Rest of 140-199/ rest of C00-C80, C97
27.9	46.7	79.4	144.3	226.8	250.0	289.5	598.5	917.4	1480.2	M	F	Hodgkin's disease Not given separately
...	...	...	...	...	...	...	...	...	...	M	F	Myeloma and all lymphomas
...	...	...	...	...	...	...	...	...	...	M	F	Leukaemia
...	...	...	...	...	...	...	...	...	...	M	F	Diabetes
34.1	53.9	95.7	143.6	227.5	580.0	643.9	1355.4	2386.4	5730.3	M	F	ALL VASCULAR DISEASE 390-459/I00-199
4.7	9.3	31.7	30.9	97.9	164.6	394.7	766.4	1884.3	5135.6	M	F	Rheumatic heart disease and fever
...	...	...	...	...	...	...	...	...	...	M	F	Hypertensive disease
...	...	...	...	...	...	...	...	...	...	M	F	Ischaemic heart disease
...	...	...	...	...	...	...	...	...	...	M	F	Pulmonary embolism and other venous Not given separately
...	...	...	...	...	...	...	...	...	...	M	F	Cerebrovascular disease
...	...	...	...	...	...	...	...	...	...	M	F	Other vascular disease, incl. venous
-	4.9	10.6	16.0	52.9	60.0	128.8	165.3	420.5	921.3	M	F	Chronic obstructive pulmonary disease 490-496/ J40-J47, J67
-	-	5.3	15.5	30.9	73.2	118.4	153.3	272.7	401.1	M	F	Other respiratory disease Rest of 460-519/ rest of J00-J98
-	-	10.6	10.6	21.2	66.7	30.3	57.9	238.6	1213.5	M	F	Peptic ulcer
-	-	10.6	5.2	10.3	42.7	59.2	80.3	190.1	1124.3	M	F	Liver cirrhosis 571/K70, K74
...	...	...	...	...	...	...	...	...	...	M	F	Renal disease Not given separately
...	...	...	...	...	...	...	...	...	...	M	F	Pregnancy, birth
...	...	...	...	...	...	...	...	...	...	M	F	Congenital and perinatal causes
...	...	...	...	...	...	...	...	...	...	M	F	Ill-defined causes
14.6	29.4	37.2	79.8	47.6	146.7	159.1	305.8	863.6	2303.4	M	F	Other medical causes Rest of 001-799/ rest of A00-R99
23.3	28.0	21.2	82.5	46.4	134.1	111.8	335.8	727.3	2615.8	M	F	ALL NON-MEDICAL CAUSES E800-E999/V01-Y89
53.7	73.5	47.9	58.5	42.3	53.3	60.6	49.6	204.5	471.9	M	F	Road traffic accidents Not given separately
-	32.7	15.9	30.9	25.8	18.3	32.9	21.9	82.6	389.8	M	F	Fire Not given separately
...	...	...	...	...	...	...	...	...	...	M	F	Suicide Not given separately
...	...	...	...	...	...	...	...	...	...	M	F	Homicide Not given separately
20.5	20.4	18.8	18.8	18.9	15.0	13.2	12.1	8.8	8.9	M	F	POPULATION (1000s; 5 times year 2002)
21.5	21.4	18.9	19.4	19.4	16.4	15.2	13.7	12.1	17.7	M	F	

Borders: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	79	7	0	1	6	0	0	4	0	31	37
35-69	Sm.	176	87	60	13	14	27	3	45	-	14	-
	Total	784 (22%)	275 (32%)	68 (88%)	27 (48%)	180 (8%)	42 (64%)	21 (14%)	278 (16%)	15	83 (17%)	70
70+	Sm.	415	191	118	27	46	96	12	88	-	28	-
	Total	2161 (19%)	608 (31%)	132 (89%)	50 (54%)	426 (11%)	139 (69%)	136 (9%)	884 (10%)	10	318 (9%)	66
Any age	Sm.	591	278	178	40	60	123	15	133	-	42	-
	Total	3024 (20%)	890 (31%)	200 (89%)	78 (51%)	612 (10%)	181 (68%)	157 (10%)	1166 (11%)	25	432 (10%)	173

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; 5 times year 2002)													
2000-0	258.8	103.4	125.6	20.5	20.4	18.8	18.8	18.9	15.0	13.2	12.1	8.8	8.9
NUMBER OF DEATHS													
All causes													
2000-0	3024	79	784	26	43	55	84	119	227	230	416	526	1219
Lung cancer													
2000-0	200	-	68	-	2	3	6	17	16	24	48	36	48
ANNUAL DEATH RATE / 100,000													
All causes													
2000-0	797.2*	82.7*	708.9*	126.8	210.8	292.6	446.8	629.6	1513.3	1742.4	3438.0	5977.3	13696.6
All cancer													
2000-0	234.7*	7.2*	254.3*	24.4	34.3	95.7	127.7	227.5	573.3	697.0	1479.3	1818.2	3022.5
Lung cancer													
2000-0	52.9*	-	62.3*	-	9.8	16.0	31.9	89.9	106.7	181.8	396.7	409.1	539.3
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	21.1*	1.3*	24.7*	-	-	-	10.6	31.7	100.0	30.3	132.2	147.7	236.0
Other cancer													
2000-0	160.6*	5.9*	167.3*	24.4	24.5	79.8	85.1	105.8	366.7	484.8	950.4	1261.4	2247.2
Chronic obstructive pulmonary disease (COPD)													
2000-0	45.3*	-	39.0*	-	4.9	10.6	16.0	52.9	60.0	128.8	165.3	420.5	921.3
Other respiratory disease													
2000-0	37.7*	-	19.2*	-	-	5.3	10.6	21.2	66.7	30.3	57.9	238.6	1213.5
Vascular disease													
2000-0	296.1*	3.6*	254.1*	34.1	53.9	95.7	143.6	227.5	580.0	643.9	1355.4	2386.4	5730.3
Liver cirrhosis													
2000-0	7.3*	-	13.1*	-	14.7	-	10.6	10.6	33.3	22.7	24.8	45.5	33.7
Other medical causes													
2000-0	116.8*	31.2*	73.5*	14.6	29.4	37.2	79.8	47.6	146.7	159.1	305.8	863.6	2303.4
All non-medical causes													
2000-0	59.3*	40.7*	55.7*	53.7	73.5	47.9	58.5	42.3	53.3	60.6	49.6	204.5	471.9

2000-04: Borders

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	35	8	1	0	7	0	0	1	1	17	8
35-69	Sm.	132	54	42	6	6	29	4	28	-	17	-
	Total	560 (24%)	254 (21%)	55 (76%)	11 (55%)	188 (3%)	40 (73%)	21 (19%)	121 (23%)	16	79 (22%)	29
70+	Sm.	472	139	96	19	24	98	24	143	-	68	-
	Total	2885 (16%)	597 (23%)	111 (86%)	31 (61%)	455 (5%)	125 (78%)	233 (10%)	1242 (12%)	9	597 (11%)	82
Any age	Sm.	604	193	138	25	30	127	28	171	-	85	-
	Total	3480 (17%)	859 (22%)	167 (83%)	42 (60%)	650 (5%)	165 (77%)	254 (11%)	1364 (13%)	26	693 (12%)	119

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; 5 times year 2002)													
2000-0	278.0	102.3	132.2	21.5	21.4	18.9	19.4	19.4	16.4	15.2	13.7	12.1	17.7
NUMBER OF DEATHS													
All causes													
2000-0	3480	35	560	12	27	37	67	101	132	184	313	533	2039
Lung cancer													
2000-0	167	1	55	-	2	3	2	9	15	24	38	28	45
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	575.4*	34.8*	465.6*	55.8	126.2	195.8	345.4	520.6	804.9	1210.5	2284.7	4405.0	11519.8
All cancer													
2000-0	169.9*	6.9*	209.1*	27.9	56.1	95.2	164.9	273.2	365.9	480.3	912.4	1223.1	1830.5
Lung cancer													
2000-0	34.6*	0.8*	47.3*	-	9.3	15.9	10.3	46.4	91.5	157.9	277.4	231.4	254.2
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	7.8*	-	9.7*	-	-	-	10.3	-	24.4	32.9	36.5	74.4	96.0
Other cancer													
2000-0	127.5*	6.1*	152.1*	27.9	46.7	79.4	144.3	226.8	250.0	289.5	598.5	917.4	1480.2
Chronic obstructive pulmonary disease (COPD)													
2000-0	29.8*	-	34.8*	-	-	5.3	15.5	30.9	73.2	118.4	153.3	272.7	401.1
Other respiratory disease													
2000-0	34.9*	-	18.3*	-	-	10.6	5.2	10.3	42.7	59.2	80.3	190.1	1124.3
Vascular disease													
2000-0	199.2*	1.0*	104.9*	4.7	9.3	31.7	30.9	97.9	164.6	394.7	766.4	1884.3	5135.6
Liver cirrhosis													
2000-0	7.0*	0.8*	12.4*	-	-	15.9	15.5	36.1	6.1	13.2	14.6	24.8	22.6
Other medical causes													
2000-0	110.4*	16.4*	63.9*	23.3	28.0	21.2	82.5	46.4	134.1	111.8	335.8	727.3	2615.8
All non-medical causes													
2000-0	24.2*	9.7*	22.4*	-	32.7	15.9	30.9	25.8	18.3	32.9	21.9	82.6	389.8

Borders: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.1	– / 0.0	–
35–69	0.2 / 0.8	0.1 / 0.6	22 years
70+	0.4 / 2.2	0.5 / 2.9	8 years
All ages	0.6 / 3.0	0.6 / 3.5	11 years

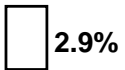
Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	60/68	118/132	178/200	– / 1	42/55	96/111	138/167
All Cancer	– / 7	87/275 (32%)	191/608 (31%)	278/890	– / 8	54/254 (21%)	139/597 (23%)	193/859
Vascular	– / 4	45/278	88/884	133/1166	– / 1	28/121	143/1242	171/1364
Respiratory	– / 0	30/63	108/275	138/338	– / 0	33/61	122/358	155/419
All Other	– / 68	14/168	28/394	42/630	– / 26	17/124	68/688	85/838
All Causes	– / 79	176/784 (22%)	415/2161 (19%)	591/3024	– / 35	132/560 (24%)	472/2885 (16%)	604/3480

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	0.3 / 0.9 (31%)	0.2 / 0.9 (22%)	0.5 / 1.7 (27%)
All Causes	0.6 / 3.0 (20%)	0.6 / 3.5 (17%)	1.2 / 6.5 (18%)

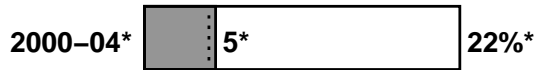
Population risk of dying at ages 0–34



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

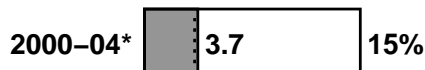
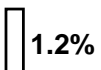
*eg, at years 2000–04 male death rates, out of 100 men aged 35, 22 would die before age 70 (with 5 of these deaths attributed to smoking)

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



Fife: 2000-04

		No. of deaths			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	9127	312	2790	876.8	85.5	846.1	135.7	15.0	15.3	83.2	101.9	142.2	105.4
	F	10297	170	1845	603.1	45.3	515.1	91.1	13.5	14.2	37.4	51.6	37.7	71.4
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	2629	19	991	253.5	5.0	308.9	-	5.6	1.7	1.7	3.8	8.8	13.4
	F	2412	23	799	167.6	5.8	223.0	4.3	1.9	5.3	3.6	7.4	4.2	14.0
Mouth and pharynx cancer	M	53	-	24	5.2	-	7.6	-	-	-	-	-	-	-
	F	25	-	8	1.7	-	2.2	-	-	-	-	-	-	-
Oesophagus cancer	M	149	1	69	14.6	0.3	21.6	-	-	-	-	-	2.2	-
	F	99	1	29	6.7	0.3	8.0	-	-	-	-	1.8	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	32	-	15	3.1	-	4.7	-	-	-	-	-	-	-
	F	6	-	2	0.4	-	0.6	-	-	-	-	-	-	-
Lung cancer	M	769	-	310	74.2	-	98.5	-	-	-	-	-	-	-
	F	544	1	182	38.4	0.3	52.0	-	-	-	1.8	-	-	-
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	1626	18	573	156.3	4.7	176.4	-	5.6	1.7	1.7	3.8	6.6	13.4
	F	1738	21	578	120.4	5.3	160.2	4.3	1.9	5.3	1.8	5.5	4.2	14.0
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	3629	20	989	340.2	5.4	301.7	-	-	-	1.7	3.8	17.5	15.1
	F	4287	21	489	227.5	5.2	140.4	-	-	-	1.8	5.5	10.5	18.6
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	524	1	104	47.9	0.2	33.5	-	-	-	1.7	-	-	-
	F	513	3	94	31.2	0.8	27.7	-	-	1.8	-	-	2.1	1.6
Other respiratory disease	M	535	1	72	48.1	0.2	22.8	-	-	-	-	-	-	1.7
	F	781	3	51	37.3	0.8	13.9	2.2	1.9	-	1.8	-	-	-
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	171	4	147	18.8	1.0	40.3	-	-	-	-	-	2.2	5.0
	F	91	2	72	8.8	0.5	17.9	-	-	-	-	-	2.1	1.6
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	1212	130	300	120.6	36.8	90.8	129.4	3.7	6.8	20.8	35.8	39.4	21.7
	F	1900	62	270	107.9	17.7	74.8	71.6	1.9	3.6	7.1	12.9	12.6	14.0
ALL NON- MEDICAL CAUSES	M	427	137	187	47.8	36.7	48.0	6.3	5.6	6.8	57.2	58.5	74.4	48.5
	F	313	56	70	22.7	14.5	17.3	13.0	7.7	3.6	23.2	25.8	6.3	21.7
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		840.4	376.4	385.4	47.9	53.5	58.8	57.7	53.0	45.7	59.8
			F=female		912.5	376.9	409.9	46.1	52.0	56.2	56.1	54.3	47.8	64.4

2000-04: Fife

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			
159.0	245.0	308.7	543.9	811.1	1472.7	2382.1	4057.3	6582.6	13730.4	M	ALL CAUSES	001-999/A00-Y89
86.4	123.5	204.7	348.5	516.2	859.6	1466.5	2705.7	4271.7	11366.7	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
24.5	40.3	80.6	189.3	290.6	590.9	946.2	1474.5	1913.2	3013.0	M	ALL CANCER	140-208/C00-C97
25.5	46.1	99.8	150.7	242.7	402.1	593.8	972.6	1140.1	1589.2	F		
-	-	1.7	5.2	7.1	13.6	25.6	25.5	37.2	52.2	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.7	1.6	3.4	4.3	4.5	10.0	11.2	18.0	F		
1.5	3.1	6.9	12.0	17.8	40.9	69.2	73.2	99.2	139.1	M	Oesophagus cancer	150/C15
-	1.5	3.3	8.1	10.3	12.8	20.1	42.4	47.6	70.1	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	-	1.7	3.4	3.6	9.1	15.4	15.9	20.7	30.4	M	Larynx cancer	161/C32
-	-	-	-	-	2.1	2.2	2.5	2.8	4.0	F		
3.1	6.2	22.3	43.0	94.5	200.0	320.5	455.4	624.0	717.4	M	Lung cancer	162/C33, C34
-	7.4	16.6	27.6	56.4	110.6	145.1	266.8	313.7	284.6	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
19.9	31.0	48.0	125.6	167.6	327.3	515.4	904.5	1132.2	2073.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
25.5	37.2	78.2	113.5	172.6	272.3	421.9	650.9	764.7	1212.4	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F	Leukaemia	
...	...	...	...	...	...	...	...	...	...	M	Diabetes	
...	...	...	...	...	...	...	...	...	...	F		
27.5	76.0	116.6	187.6	317.3	520.5	866.7	1617.8	2838.8	6195.7	M	ALL VASCULAR DISEASE	390-459/I00-199
11.3	20.8	28.3	87.5	123.1	234.0	477.7	1047.4	1840.3	5410.8	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
1.5	3.1	1.7	13.8	28.5	68.2	117.9	261.1	545.5	891.3	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	3.0	-	17.8	15.4	59.6	98.2	214.5	330.5	424.8	F		
1.5	6.2	3.4	5.2	21.4	50.0	71.8	159.2	413.2	1356.5	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
4.2	3.0	8.3	9.7	17.1	14.9	40.2	114.7	173.7	1240.5	F		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
10.7	24.8	34.3	56.8	46.3	50.0	59.0	19.1	37.2	21.7	M	Liver cirrhosis	571/K70, K74
8.5	13.4	21.6	22.7	23.9	10.6	24.6	10.0	28.0	6.0	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	M		
29.1	34.1	29.2	44.8	80.2	154.5	264.1	484.1	743.8	1956.5	M	Other medical causes	Rest of 001-799/ rest of A00-R99
18.4	19.3	31.6	48.6	76.9	119.1	209.8	326.7	680.7	2392.8	F		
64.2	60.5	42.9	46.5	26.7	38.6	56.4	41.4	90.9	295.7	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
18.4	17.9	15.0	11.3	17.1	19.1	22.3	20.0	78.4	302.6	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
65.4	64.5	58.3	58.1	56.1	44.0	39.0	31.4	24.2	23.0	M	POPULATION	
70.6	67.2	60.1	61.7	58.5	47.0	44.8	40.1	35.7	49.9	F	(1000s; 5 times year 2002)	

Fife: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	312	19	0	1	18	1	1	20	4	130	137
35-69	Sm.	819	421	282	65	74	77	17	233	-	71	-
	Total	2790 (29%)	991 (42%)	310 (91%)	108 (60%)	573 (13%)	104 (74%)	72 (24%)	989 (24%)	147	300 (24%)	187
70+	Sm.	1504	656	422	79	155	320	61	360	-	107	-
	Total	6025 (25%)	1619 (41%)	459 (92%)	125 (63%)	1035 (15%)	419 (76%)	462 (13%)	2620 (14%)	20	782 (14%)	103
Any age	Sm.	2323	1077	704	144	229	397	78	593	-	178	-
	Total	9127 (25%)	2629 (41%)	769 (92%)	234 (62%)	1626 (14%)	524 (76%)	535 (15%)	3629 (16%)	171	1212 (15%)	427

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; 5 times year 2002)													
2000-0	840.4	376.4	385.4	65.4	64.5	58.3	58.1	56.1	44.0	39.0	31.4	24.2	23.0
NUMBER OF DEATHS													
All causes													
2000-0	9127	312	2790	104	158	180	316	455	648	929	1274	1593	3158
Lung cancer													
2000-0	769	-	310	2	4	13	25	53	88	125	143	151	165
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	876.8*	85.5*	846.1*	159.0	245.0	308.7	543.9	811.1	1472.7	2382.1	4057.3	6582.6	13730.4
All cancer													
2000-0	253.5*	5.0*	308.9*	24.5	40.3	80.6	189.3	290.6	590.9	946.2	1474.5	1913.2	3013.0
Lung cancer													
2000-0	74.2*	-	98.5*	3.1	6.2	22.3	43.0	94.5	200.0	320.5	455.4	624.0	717.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	23.0*	0.3*	34.0*	1.5	3.1	10.3	20.7	28.5	63.6	110.3	114.6	157.0	221.7
Other cancer													
2000-0	156.3*	4.7*	176.4*	19.9	31.0	48.0	125.6	167.6	327.3	515.4	904.5	1132.2	2073.9
Chronic obstructive pulmonary disease (COPD)													
2000-0	47.9*	0.2*	33.5*	1.5	3.1	1.7	13.8	28.5	68.2	117.9	261.1	545.5	891.3
Other respiratory disease													
2000-0	48.1*	0.2*	22.8*	1.5	6.2	3.4	5.2	21.4	50.0	71.8	159.2	413.2	1356.5
Vascular disease													
2000-0	340.2*	5.4*	301.7*	27.5	76.0	116.6	187.6	317.3	520.5	866.7	1617.8	2838.8	6195.7
Liver cirrhosis													
2000-0	18.8*	1.0*	40.3*	10.7	24.8	34.3	56.8	46.3	50.0	59.0	19.1	37.2	21.7
Other medical causes													
2000-0	120.6*	36.8*	90.8*	29.1	34.1	29.2	44.8	80.2	154.5	264.1	484.1	743.8	1956.5
All non-medical causes													
2000-0	47.8*	36.7*	48.0*	64.2	60.5	42.9	46.5	26.7	38.6	56.4	41.4	90.9	295.7

2000-04: Fife

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	170	23	1	1	21	3	3	21	2	62	56
35-69	Sm.	457	192	149	21	22	69	11	120	-	65	-
	Total	1845 (25%)	799 (24%)	182 (82%)	39 (54%)	578 (4%)	94 (73%)	51 (22%)	489 (25%)	72	270 (24%)	70
70+	Sm.	1711	460	323	61	76	343	105	572	-	231	-
	Total	8282 (21%)	1590 (29%)	361 (89%)	90 (68%)	1139 (7%)	416 (82%)	727 (14%)	3777 (15%)	17	1568 (15%)	187
Any age	Sm.	2168	652	472	82	98	412	116	692	-	296	-
	Total	10297 (21%)	2412 (27%)	544 (87%)	130 (63%)	1738 (6%)	513 (80%)	781 (15%)	4287 (16%)	91	1900 (16%)	313

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; 5 times year 2002)													
2000-0	912.5	376.9	409.9	70.6	67.2	60.1	61.7	58.5	47.0	44.8	40.1	35.7	49.9
NUMBER OF DEATHS													
All causes													
2000-0	10297	170	1845	61	83	123	215	302	404	657	1085	1525	5672
Lung cancer													
2000-0	544	1	182	-	5	10	17	33	52	65	107	112	142
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	603.1*	45.3*	515.1*	86.4	123.5	204.7	348.5	516.2	859.6	1466.5	2705.7	4271.7	11366.7
All cancer													
2000-0	167.6*	5.8*	223.0*	25.5	46.1	99.8	150.7	242.7	402.1	593.8	972.6	1140.1	1589.2
Lung cancer													
2000-0	38.4*	0.3*	52.0*	-	7.4	16.6	27.6	56.4	110.6	145.1	266.8	313.7	284.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	8.8*	0.3*	10.8*	-	1.5	5.0	9.7	13.7	19.1	26.8	54.9	61.6	92.2
Other cancer													
2000-0	120.4*	5.3*	160.2*	25.5	37.2	78.2	113.5	172.6	272.3	421.9	650.9	764.7	1212.4
Chronic obstructive pulmonary disease (COPD)													
2000-0	31.2*	0.8*	27.7*	-	3.0	-	17.8	15.4	59.6	98.2	214.5	330.5	424.8
Other respiratory disease													
2000-0	37.3*	0.8*	13.9*	4.2	3.0	8.3	9.7	17.1	14.9	40.2	114.7	173.7	1240.5
Vascular disease													
2000-0	227.5*	5.2*	140.4*	11.3	20.8	28.3	87.5	123.1	234.0	477.7	1047.4	1840.3	5410.8
Liver cirrhosis													
2000-0	8.8*	0.5*	17.9*	8.5	13.4	21.6	22.7	23.9	10.6	24.6	10.0	28.0	6.0
Other medical causes													
2000-0	107.9*	17.7*	74.8*	18.4	19.3	31.6	48.6	76.9	119.1	209.8	326.7	680.7	2392.8
All non-medical causes													
2000-0	22.7*	14.5*	17.3*	18.4	17.9	15.0	11.3	17.1	19.1	22.3	20.0	78.4	302.6

Fife: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.3	– / 0.2	–
35–69	0.8 / 2.8	0.5 / 1.8	21 years
70+	1.5 / 6.0	1.7 / 8.3	8 years
All ages	2.3 / 9.1	2.2 / 10	12 years

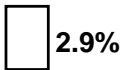
Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	282/310	422/459	704/769	– / 1	149/182	323/361	472/544
All Cancer	– / 19	421/991 (42%)	656/1619 (41%)	1077/2629	– / 23	192/799 (24%)	460/1590 (29%)	652/2412
Vascular	– / 20	233/989	360/2620	593/3629	– / 21	120/489	572/3777	692/4287
Respiratory	– / 2	94/176	381/881	475/1059	– / 6	80/145	448/1143	528/1294
All Other	– / 271	71/634	107/905	178/1810	– / 120	65/412	231/1772	296/2304
All Causes	– / 312	819/2790 (29%)	1504/6025 (25%)	2323/9127	– / 170	457/1845 (25%)	1711/8282 (21%)	2168/10297

Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	1.1 / 2.6 (41%)	0.7 / 2.4 (27%)	1.7 / 5.0 (34%)
All Causes	2.3 / 9.1 (25%)	2.2 / 10 (21%)	4.5 / 19 (23%)

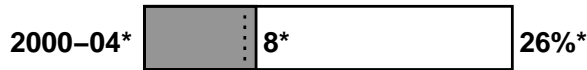
Population risk of dying at ages 0–34



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

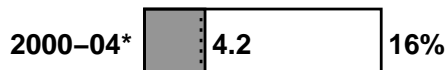
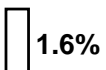
*eg, at years 2000–04 male death rates, out of 100 men aged 35, 26 would die before age 70 (with 8 of these deaths attributed to smoking)

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



Greater Glasgow: 2000-04

		No. of deaths			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	35159	1524	13499	1112.2	112.8	1291.0	157.3	19.6	16.0	67.9	128.2	180.7	219.6
	F	37658	685	8256	703.7	51.8	701.1	138.9	7.1	14.7	36.9	42.1	55.8	67.0
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	9654	87	4028	304.0	6.4	405.3	4.3	3.9	4.1	5.5	6.7	8.7	11.3
	F	9414	78	3351	201.1	5.3	287.1	3.2	-	2.7	3.0	6.1	6.6	15.3
Mouth and pharynx cancer	M	224	-	127	7.3	-	12.4	-	-	-	-	-	-	-
	F	96	-	33	2.0	-	2.9	-	-	-	-	-	-	-
Oesophagus cancer	M	623	1	351	20.2	0.1	34.5	-	-	-	-	0.5	-	-
	F	355	1	125	7.5	0.1	10.9	-	-	-	-	-	0.5	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	127	-	71	4.1	-	7.0	-	-	-	-	-	-	-
	F	30	-	12	0.6	-	1.0	-	-	-	-	-	-	-
Lung cancer	M	3112	1	1351	98.0	0.1	137.8	-	-	-	-	-	-	0.5
	F	2550	5	945	55.7	0.3	82.9	-	-	-	-	-	-	2.1
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	5568	85	2128	174.3	6.2	213.7	4.3	3.9	4.1	5.5	6.3	8.7	10.8
	F	6383	72	2236	135.3	4.9	189.4	3.2	-	2.7	3.0	6.1	6.1	13.2
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	12570	70	4251	390.9	5.1	418.3	1.8	1.1	0.5	3.5	2.9	10.9	14.6
	F	14544	38	2058	243.1	2.6	178.9	1.9	-	1.1	2.5	4.7	2.6	5.5
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	1898	6	528	58.0	0.5	54.9	1.2	-	0.5	-	1.0	-	0.5
	F	2144	4	512	41.5	0.3	45.6	-	-	-	0.5	-	1.0	0.4
Other respiratory disease	M	2274	24	520	69.7	1.8	50.7	3.7	0.6	-	1.0	0.5	1.1	5.7
	F	2964	17	298	46.2	1.4	25.3	4.5	2.4	-	0.5	-	1.0	1.3
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	1465	43	1256	50.7	3.0	109.6	-	-	-	-	-	7.1	14.1
	F	601	15	487	18.1	1.0	38.5	-	-	-	-	-	2.6	4.2
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	5386	723	1972	175.1	55.1	177.2	140.9	6.7	5.7	12.4	49.6	73.7	97.1
	F	6982	377	1244	130.9	30.4	103.1	123.5	3.5	7.1	11.6	16.8	28.1	22.1
ALL NON- MEDICAL CAUSES	M	1912	571	944	63.8	40.9	75.1	5.5	7.3	5.2	45.6	67.5	79.1	76.3
	F	1009	156	306	22.9	10.9	22.6	5.8	1.2	3.8	18.7	14.5	13.8	18.2
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		2835.2	1341.3	1250.5	164.0	179.0	193.7	201.7	207.5	183.2	212.2
			F=female		3134.5	1351.4	1364.3	155.5	169.5	183.6	197.8	213.8	195.5	235.7

2000-04: Greater Glasgow

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			
267.8	337.5	529.5	863.4	1349.7	2337.2	3351.9	5015.4	7609.4	14047.8	M	ALL CAUSES	001-999/A00-Y89
116.1	168.8	276.1	462.6	749.3	1272.1	1862.4	2984.6	4922.2	11713.9	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
18.0	37.4	98.6	201.0	434.2	822.2	1225.7	1661.8	2348.0	3149.5	M	ALL CANCER	140-208/C00-C97
29.6	58.6	91.4	192.3	342.9	532.1	763.1	1015.4	1386.3	1829.5	F		
0.9	1.4	4.1	7.8	16.5	27.1	29.1	32.8	45.4	44.8	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.0	2.2	4.7	5.8	6.5	8.4	13.8	21.9	F		
1.8	3.6	10.2	22.2	44.1	76.1	83.3	93.4	123.8	125.6	M	Oesophagus cancer	150/C15
0.4	0.4	3.4	7.0	15.7	23.1	26.0	29.4	51.9	79.3	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
0.4	0.5	2.0	4.4	9.2	15.4	17.0	19.3	24.8	26.9	M	Larynx cancer	161/C32
-	-	0.5	0.5	1.7	1.9	2.6	2.1	3.5	6.9	F		
1.8	7.2	27.9	58.9	145.1	295.5	428.0	582.9	763.4	896.9	M	Lung cancer	162/C33, C34
2.4	8.3	17.1	43.3	93.9	165.6	249.8	349.7	438.2	370.4	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
13.2	24.8	54.4	107.7	219.2	408.2	668.3	933.5	1390.6	2055.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
26.9	49.9	69.4	139.2	226.8	335.7	478.3	625.9	879.0	1351.0	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Leukaemia	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Diabetes	
...	...	...	...	...	...	...	...	...	...	F		
32.5	65.3	145.8	280.4	421.3	775.4	1207.1	2014.5	2969.7	5977.6	M	ALL VASCULAR DISEASE	390-459/I00-199
16.2	28.7	54.3	92.1	149.3	359.4	552.2	1056.6	1999.1	5386.6	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
...	...	...	...	...	...	...	...	...	...	F		
2.6	0.9	6.6	21.7	45.9	107.5	199.0	316.0	597.0	899.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.8	0.8	6.4	16.3	51.9	90.5	152.5	287.4	376.8	487.8	F		
5.3	10.8	15.2	32.2	57.0	98.8	135.9	292.9	515.8	1571.0	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.8	6.7	11.7	17.9	27.4	41.7	68.8	137.8	266.2	1339.2	F		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
29.9	59.9	93.0	123.3	143.9	176.3	140.8	97.3	60.5	31.4	M	Liver cirrhosis	571/K70, K74
9.9	21.6	39.1	45.0	51.9	57.8	44.1	28.0	30.3	15.0	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	F		
87.8	90.9	100.6	136.0	178.2	280.2	366.5	536.6	951.9	2155.5	M	Other medical causes	Rest of 001-799/ rest of A00-R99
34.0	32.0	55.7	70.4	106.1	167.5	255.7	414.0	785.7	2411.0	F		
91.7	72.5	69.6	68.9	69.2	76.8	76.9	96.3	166.4	263.1	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
22.9	20.4	17.6	28.7	19.8	23.1	26.0	45.5	77.8	244.8	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
227.8	222.2	196.8	180.1	163.3	136.7	123.6	103.8	72.7	66.9	M	POPULATION	
253.2	240.5	204.6	184.6	171.5	155.8	154.1	143.0	115.7	160.1	F	(1000s; 5 times year 2002)	

Greater Glasgow: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	1524	87	1	1	85	6	24	70	43	723	571
35-69	Sm.	4548	2018	1264	370	384	423	164	1321	-	622	-
	Total	13499	4028	1351	549	2128	528	520	4251	1256	1972	944
		(34%)	(50%)	(94%)	(67%)	(18%)	(80%)	(32%)	(31%)		(32%)	
70+	Sm.	5794	2548	1649	292	607	1096	284	1416	-	450	-
	Total	20136	5539	1760	424	3355	1364	1730	8249	166	2691	397
		(29%)	(46%)	(94%)	(69%)	(18%)	(80%)	(16%)	(17%)		(17%)	
Any age	Sm.	10342	4566	2913	662	991	1519	448	2737	-	1072	-
	Total	35159	9654	3112	974	5568	1898	2274	12570	1465	5386	1912
		(29%)	(47%)	(94%)	(68%)	(18%)	(80%)	(20%)	(22%)		(20%)	

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; 5 times year 2002)													
2000-0	2835.2	1341.3	1250.5	227.8	222.2	196.8	180.1	163.3	136.7	123.6	103.8	72.7	66.9
NUMBER OF DEATHS													
All causes													
2000-0	35159	1524	13499	610	750	1042	1555	2204	3195	4143	5206	5532	9398
Lung cancer													
2000-0	3112	1	1351	4	16	55	106	237	404	529	605	555	600
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	1112.2*	112.8*	1291.0*	267.8	337.5	529.5	863.4	1349.7	2337.2	3351.9	5015.4	7609.4	14047.8
All cancer													
2000-0	304.0*	6.4*	405.3*	18.0	37.4	98.6	201.0	434.2	822.2	1225.7	1661.8	2348.0	3149.5
Lung cancer													
2000-0	98.0*	0.1*	137.8*	1.8	7.2	27.9	58.9	145.1	295.5	428.0	582.9	763.4	896.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	31.7*	0.1*	53.8*	3.1	5.4	16.3	34.4	69.8	118.5	129.4	145.5	193.9	197.3
Other cancer													
2000-0	174.3*	6.2*	213.7*	13.2	24.8	54.4	107.7	219.2	408.2	668.3	933.5	1390.6	2055.3
Chronic obstructive pulmonary disease (COPD)													
2000-0	58.0*	0.5*	54.9*	2.6	0.9	6.6	21.7	45.9	107.5	199.0	316.0	597.0	899.9
Other respiratory disease													
2000-0	69.7*	1.8*	50.7*	5.3	10.8	15.2	32.2	57.0	98.8	135.9	292.9	515.8	1571.0
Vascular disease													
2000-0	390.9*	5.1*	418.3*	32.5	65.3	145.8	280.4	421.3	775.4	1207.1	2014.5	2969.7	5977.6
Liver cirrhosis													
2000-0	50.7*	3.0*	109.6*	29.9	59.9	93.0	123.3	143.9	176.3	140.8	97.3	60.5	31.4
Other medical causes													
2000-0	175.1*	55.1*	177.2*	87.8	90.9	100.6	136.0	178.2	280.2	366.5	536.6	951.9	2155.5
All non-medical causes													
2000-0	63.8*	40.9*	75.1*	91.7	72.5	69.6	68.9	69.2	76.8	76.9	96.3	166.4	263.1

2000-04: Greater Glasgow

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	685	78	5	1	72	4	17	38	15	377	156
35-69	Sm.	2791	1092	838	114	140	421	105	742	-	431	-
	Total	8256 (34%)	3351 (33%)	945 (89%)	170 (67%)	2236 (6%)	512 (82%)	298 (35%)	2058 (36%)	487	1244 (35%)	306
70+	Sm.	7650	2085	1474	234	377	1419	521	2540	-	1085	-
	Total	28717 (27%)	5985 (35%)	1600 (92%)	310 (75%)	4075 (9%)	1628 (87%)	2649 (20%)	12448 (20%)	99	5361 (20%)	547
Any age	Sm.	10441	3177	2312	348	517	1840	626	3282	-	1516	-
	Total	37658 (28%)	9414 (34%)	2550 (91%)	481 (72%)	6383 (8%)	2144 (86%)	2964 (21%)	14544 (23%)	601	6982 (22%)	1009

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; 5 times year 2002)													
2000-0	3134.5	1351.4	1364.3	253.2	240.5	204.6	184.6	171.5	155.8	154.1	143.0	115.7	160.1
NUMBER OF DEATHS													
All causes													
2000-0	37658	685	8256	294	406	565	854	1285	1982	2870	4268	5695	18754
Lung cancer													
2000-0	2550	5	945	6	20	35	80	161	258	385	500	507	593
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)									
All causes													
2000-0	703.7*	51.8*	701.1*	116.1	168.8	276.1	462.6	749.3	1272.1	1862.4	2984.6	4922.2	11713.9
All cancer													
2000-0	201.1*	5.3*	287.1*	29.6	58.6	91.4	192.3	342.9	532.1	763.1	1015.4	1386.3	1829.5
Lung cancer													
2000-0	55.7*	0.3*	82.9*	2.4	8.3	17.1	43.3	93.9	165.6	249.8	349.7	438.2	370.4
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	10.1*	0.1*	14.8*	0.4	0.4	4.9	9.8	22.2	30.8	35.0	39.9	69.1	108.1
Other cancer													
2000-0	135.3*	4.9*	189.4*	26.9	49.9	69.4	139.2	226.8	335.7	478.3	625.9	879.0	1351.0
Chronic obstructive pulmonary disease (COPD)													
2000-0	41.5*	0.3*	45.6*	0.8	0.8	6.4	16.3	51.9	90.5	152.5	287.4	376.8	487.8
Other respiratory disease													
2000-0	46.2*	1.4*	25.3*	2.8	6.7	11.7	17.9	27.4	41.7	68.8	137.8	266.2	1339.2
Vascular disease													
2000-0	243.1*	2.6*	178.9*	16.2	28.7	54.3	92.1	149.3	359.4	552.2	1056.6	1999.1	5386.6
Liver cirrhosis													
2000-0	18.1*	1.0*	38.5*	9.9	21.6	39.1	45.0	51.9	57.8	44.1	28.0	30.3	15.0
Other medical causes													
2000-0	130.9*	30.4*	103.1*	34.0	32.0	55.7	70.4	106.1	167.5	255.7	414.0	785.7	2411.0
All non-medical causes													
2000-0	22.9*	10.9*	22.6*	22.9	20.4	17.6	28.7	19.8	23.1	26.0	45.5	77.8	244.8

Greater Glasgow: 2000-04

Relative importance of deaths in MIDDLE age (35-69) in the years 2000-04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0-34	- / 1.5	- / 0.7	-
35-69	4.5 / 13	2.8 / 8.3	21 years
70+	5.8 / 20	7.7 / 29	8 years
All ages	10 / 35	10 / 38	13 years

Deaths, by cause, attributed to SMOKING / total deaths (thousands) in the years 2000-04

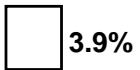
Cause	Male (by age)				Female (by age)			
	0-34	35-69	70+	All	0-34	35-69	70+	All
Lung Cancer	-/0.0	1.3/1.4	1.6/1.8	2.9/3.1	-/0.0	0.8/0.9	1.5/1.6	2.3/2.5
All Cancer	-/0.1	2.0/4.0 (50%)	2.5/5.5 (46%)	4.6/9.7	-/0.1	1.1/3.4 (33%)	2.1/6.0 (35%)	3.2/9.4
Vascular	-/0.1	1.3/4.3	1.4/8.2	2.7/13	-/0.0	0.7/2.1	2.5/12	3.3/15
Respiratory	-/0.0	0.6/1.0	1.4/3.1	2.0/4.2	-/0.0	0.5/0.8	1.9/4.3	2.5/5.1
All Other	-/1.3	0.6/4.2	0.4/3.3	1.1/8.8	-/0.5	0.4/2.0	1.1/6.0	1.5/8.6
All Causes	-/1.5	4.5/13 (34%)	5.8/20 (29%)	10/35	-/0.7	2.8/8.3 (34%)	7.7/29 (27%)	10/38

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the years 2000-04

Cause	Male	Female	Male + Female
All Cancer	4.6 / 9.7 (47%)	3.2 / 9.4 (34%)	7.7 / 19 (41%)
All Causes	10 / 35 (29%)	10 / 38 (28%)	21 / 73 (29%)

2000-04: Greater Glasgow

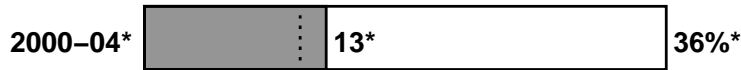
Population risk of dying at ages 0-34



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

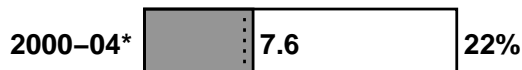
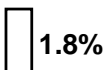
*eg, at years 2000-04 male death rates, out of 100 men aged 35, 36 would die before age 70 (with 13 of these deaths attributed to smoking)

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



Highland: 2000-04

		No. of deaths			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	8342	268	2763	871.9	89.6	880.4	102.5	10.9	15.9	107.8	130.9	109.1	150.4
	F	8990	116	1718	592.9	41.7	519.6	89.4	15.8	6.3	25.2	55.7	24.9	74.6
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	2383	17	950	247.0	5.4	306.8	5.0	2.2	2.0	6.3	2.6	2.6	16.9
	F	2171	11	809	171.2	3.7	244.3	2.7	-	-	-	6.6	2.8	14.1
Mouth and pharynx cancer	M	60	-	30	6.3	-	9.3	-	-	-	-	-	-	-
	F	21	-	6	1.5	-	1.8	-	-	-	-	-	-	-
Oesophagus cancer	M	161	-	80	17.0	-	24.7	-	-	-	-	-	-	-
	F	75	-	26	5.8	-	7.7	-	-	-	-	-	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	33	-	17	3.5	-	5.3	-	-	-	-	-	-	-
	F	4	-	-	0.2	-	-	-	-	-	-	-	-	-
Lung cancer	M	580	1	256	60.2	0.3	83.9	-	-	-	-	-	-	2.1
	F	427	-	161	34.3	-	49.4	-	-	-	-	-	-	-
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	1549	16	567	160.0	5.1	183.6	5.0	2.2	2.0	6.3	2.6	2.6	14.8
	F	1644	11	616	129.3	3.7	185.4	2.7	-	-	-	6.6	2.8	14.1
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	3181	13	902	321.7	4.5	296.9	5.0	-	-	4.2	5.2	13.0	4.2
	F	3640	11	402	213.7	3.9	124.8	2.7	-	-	2.5	6.6	5.5	10.1
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	417	1	90	41.4	0.3	31.1	-	-	2.0	-	-	-	-
	F	388	1	69	25.8	0.3	22.3	-	2.3	-	-	-	-	-
Other respiratory disease	M	408	2	64	40.5	0.7	20.5	2.5	-	-	-	-	-	2.1
	F	651	1	39	34.8	0.3	11.6	-	-	-	-	-	-	-
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	145	2	112	16.6	0.6	33.5	-	-	-	-	-	-	4.2
	F	93	1	72	9.8	0.5	20.9	-	-	-	-	3.3	-	-
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	1251	67	369	133.2	23.0	114.3	82.5	2.2	4.0	12.7	20.9	13.0	25.4
	F	1757	61	243	113.5	22.4	72.6	78.6	11.3	6.3	5.0	19.7	13.8	22.2
ALL NON- MEDICAL CAUSES	M	557	166	276	71.5	55.2	77.4	7.5	6.5	7.9	84.6	102.1	80.5	97.5
	F	290	30	84	24.0	10.6	23.1	5.4	2.3	-	17.6	19.7	2.8	26.2
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		735.8	307.5	354.9	40.0	45.9	50.4	47.3	38.2	38.5	47.2
			F=female		760.7	284.5	365.2	36.9	44.2	47.4	39.7	30.5	36.2	49.6

2000-04: Highland

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			
164.0	253.1	359.1	581.2	882.1	1521.8	2401.1	3876.6	6214.6	13314.0	M	ALL CAUSES	001-999/A00-Y89
84.7	153.8	271.9	344.6	531.4	888.9	1362.1	2225.5	4052.6	11655.3	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
21.4	48.1	101.3	176.9	332.7	632.2	834.7	1399.4	1826.5	2826.1	M	ALL CANCER	140-208/C00-C97
33.9	57.7	139.7	159.9	278.1	422.7	618.2	820.7	1125.0	1614.2	F		
-	3.6	5.5	3.6	15.2	20.7	16.3	32.5	45.7	48.3	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	-	1.8	3.8	2.2	4.9	10.9	9.9	18.3	F		
1.8	7.1	11.0	14.4	39.9	55.2	43.4	90.9	127.9	120.8	M	Oesophagus cancer	150/C15
-	1.7	5.6	7.1	13.3	8.7	17.2	35.3	29.6	61.6	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	1.8	3.7	1.8	7.6	11.5	10.8	16.2	22.8	29.0	M	Larynx cancer	161/C32
-	-	-	-	-	-	-	2.7	3.3	4.6	F		
3.6	7.1	16.6	50.5	79.8	188.5	241.2	376.6	474.9	497.6	M	Lung cancer	162/C33, C34
-	14.0	26.1	30.2	45.7	89.3	140.4	209.2	263.2	248.9	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
16.0	28.5	64.5	106.5	190.1	356.3	523.0	883.1	1155.3	2130.4	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
33.9	42.0	108.0	120.8	215.2	322.4	455.7	562.5	819.1	1280.8	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F	Leukaemia	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Diabetes	
...	...	...	...	...	...	...	...	...	...	M		
16.0	55.3	92.1	151.6	277.6	512.6	972.9	1522.7	2671.2	5855.1	M	ALL VASCULAR DISEASE	390-459/I00-199
15.3	26.2	33.5	62.2	120.0	220.0	396.6	812.5	1634.9	5550.2	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
...	...	...	...	...	...	...	...	...	...	F		
-	1.8	3.7	10.8	15.2	66.7	119.2	237.0	397.3	801.9	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.7	1.7	3.7	8.9	9.5	39.2	91.1	135.9	338.8	376.7	F		
1.8	1.8	3.7	19.9	19.0	48.3	48.8	129.9	274.0	1169.1	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
3.4	1.7	7.4	5.3	17.1	21.8	24.6	70.7	243.4	1166.7	F		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
8.9	17.8	23.9	39.7	34.2	52.9	56.9	61.7	18.3	38.6	M	Liver cirrhosis	571/K70, K74
1.7	12.2	14.9	23.1	24.8	32.7	36.9	32.6	6.6	13.7	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
32.1	44.6	71.8	115.5	98.9	144.8	292.7	428.6	922.4	2323.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
15.3	26.2	44.7	58.6	61.0	135.1	167.5	315.2	651.3	2600.5	F		
83.8	83.8	62.6	66.8	104.6	64.4	75.9	97.4	105.0	299.5	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
13.6	28.0	27.9	26.6	21.0	17.4	27.1	38.0	52.6	333.3	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
56.1	56.1	54.3	55.4	52.6	43.5	36.9	30.8	21.9	20.7	M	POPULATION	
59.0	57.2	53.7	56.3	52.5	45.9	40.6	36.8	30.4	43.8	F	(1000s; 5 times year 2002)	

Highland: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	268	17	1	0	16	1	2	13	2	67	166
35-69	Sm.	701	359	228	68	63	64	12	187	-	79	-
	Total	2763 (25%)	950 (38%)	256 (89%)	127 (54%)	567 (11%)	90 (71%)	64 (19%)	902 (21%)	112	369 (21%)	276
70+	Sm.	1083	480	292	73	115	233	36	247	-	87	-
	Total	5311 (20%)	1416 (34%)	323 (90%)	127 (57%)	966 (12%)	326 (71%)	342 (11%)	2266 (11%)	31	815 (11%)	115
Any age	Sm.	1784	839	520	141	178	297	48	434	-	166	-
	Total	8342 (21%)	2383 (35%)	580 (90%)	254 (56%)	1549 (11%)	417 (71%)	408 (12%)	3181 (14%)	145	1251 (13%)	557

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; 5 times year 2002)													
2000-0	735.8	307.5	354.9	56.1	56.1	54.3	55.4	52.6	43.5	36.9	30.8	21.9	20.7
NUMBER OF DEATHS													
All causes													
2000-0	8342	268	2763	92	142	195	322	464	662	886	1194	1361	2756
Lung cancer													
2000-0	580	1	256	2	4	9	28	42	82	89	116	104	103
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	871.9*	89.6*	880.4*	164.0	253.1	359.1	581.2	882.1	1521.8	2401.1	3876.6	6214.6	13314.0
All cancer													
2000-0	247.0*	5.4*	306.8*	21.4	48.1	101.3	176.9	332.7	632.2	834.7	1399.4	1826.5	2826.1
Lung cancer													
2000-0	60.2*	0.3*	83.9*	3.6	7.1	16.6	50.5	79.8	188.5	241.2	376.6	474.9	497.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	26.8*	-	39.3*	1.8	12.5	20.3	19.9	62.7	87.4	70.5	139.6	196.3	198.1
Other cancer													
2000-0	160.0*	5.1*	183.6*	16.0	28.5	64.5	106.5	190.1	356.3	523.0	883.1	1155.3	2130.4
Chronic obstructive pulmonary disease (COPD)													
2000-0	41.4*	0.3*	31.1*	-	1.8	3.7	10.8	15.2	66.7	119.2	237.0	397.3	801.9
Other respiratory disease													
2000-0	40.5*	0.7*	20.5*	1.8	1.8	3.7	19.9	19.0	48.3	48.8	129.9	274.0	1169.1
Vascular disease													
2000-0	321.7*	4.5*	296.9*	16.0	55.3	92.1	151.6	277.6	512.6	972.9	1522.7	2671.2	5855.1
Liver cirrhosis													
2000-0	16.6*	0.6*	33.5*	8.9	17.8	23.9	39.7	34.2	52.9	56.9	61.7	18.3	38.6
Other medical causes													
2000-0	133.2*	23.0*	114.3*	32.1	44.6	71.8	115.5	98.9	144.8	292.7	428.6	922.4	2323.7
All non-medical causes													
2000-0	71.5*	55.2*	77.4*	83.8	83.8	62.6	66.8	104.6	64.4	75.9	97.4	105.0	299.5

2000-04: Highland

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	116	11	0	0	11	1	1	11	1	61	30
35-69	Sm.	375	167	130	15	22	49	9	94	-	56	-
	Total	1718 (22%)	809 (21%)	161 (81%)	32 (47%)	616 (4%)	69 (71%)	39 (23%)	402 (23%)	72	243 (23%)	84
70+	Sm.	1234	329	232	42	55	253	72	402	-	178	-
	Total	7156 (17%)	1351 (24%)	266 (87%)	68 (62%)	1017 (5%)	318 (80%)	611 (12%)	3227 (12%)	20	1453 (12%)	176
Any age	Sm.	1609	496	362	57	77	302	81	496	-	234	-
	Total	8990 (18%)	2171 (23%)	427 (85%)	100 (57%)	1644 (5%)	388 (78%)	651 (12%)	3640 (14%)	93	1757 (13%)	290

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; 5 times year 2002)													
2000-0	760.7	284.5	365.2	59.0	57.2	53.7	56.3	52.5	45.9	40.6	36.8	30.4	43.8
NUMBER OF DEATHS													
All causes													
2000-0	8990	116	1718	50	88	146	194	279	408	553	819	1232	5105
Lung cancer													
2000-0	427	-	161	-	8	14	17	24	41	57	77	80	109
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	592.9*	41.7*	519.6*	84.7	153.8	271.9	344.6	531.4	888.9	1362.1	2225.5	4052.6	11655.3
All cancer													
2000-0	171.2*	3.7*	244.3*	33.9	57.7	139.7	159.9	278.1	422.7	618.2	820.7	1125.0	1614.2
Lung cancer													
2000-0	34.3*	-	49.4*	-	14.0	26.1	30.2	45.7	89.3	140.4	209.2	263.2	248.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	7.6*	-	9.5*	-	1.7	5.6	8.9	17.1	10.9	22.2	48.9	42.8	84.5
Other cancer													
2000-0	129.3*	3.7*	185.4*	33.9	42.0	108.0	120.8	215.2	322.4	455.7	562.5	819.1	1280.8
Chronic obstructive pulmonary disease (COPD)													
2000-0	25.8*	0.3*	22.3*	1.7	1.7	3.7	8.9	9.5	39.2	91.1	135.9	338.8	376.7
Other respiratory disease													
2000-0	34.8*	0.3*	11.6*	3.4	1.7	7.4	5.3	17.1	21.8	24.6	70.7	243.4	1166.7
Vascular disease													
2000-0	213.7*	3.9*	124.8*	15.3	26.2	33.5	62.2	120.0	220.0	396.6	812.5	1634.9	5550.2
Liver cirrhosis													
2000-0	9.8*	0.5*	20.9*	1.7	12.2	14.9	23.1	24.8	32.7	36.9	32.6	6.6	13.7
Other medical causes													
2000-0	113.5*	22.4*	72.6*	15.3	26.2	44.7	58.6	61.0	135.1	167.5	315.2	651.3	2600.5
All non-medical causes													
2000-0	24.0*	10.6*	23.1*	13.6	28.0	27.9	26.6	21.0	17.4	27.1	38.0	52.6	333.3

Highland: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.3	– / 0.1	–
35–69	0.7 / 2.8	0.4 / 1.7	22 years
70+	1.1 / 5.3	1.2 / 7.2	8 years
All ages	1.8 / 8.3	1.6 / 9.0	12 years

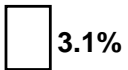
Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/ 1	228/256	292/323	520/580	–/ 0	130/161	232/266	362/427
All Cancer	–/17	359/950 (38%)	480/1416 (34%)	839/2383	–/11	167/809 (21%)	329/1351 (24%)	496/2171
Vascular	–/13	187/902	247/2266	434/3181	–/11	94/402	402/3227	496/3640
Respiratory	–/ 3	76/154	269/668	345/825	–/ 2	58/108	325/929	383/1039
All Other	–/235	79/757	87/961	166/1953	–/92	56/399	178/1649	234/2140
All Causes	–/268	701/2763 (25%)	1083/5311 (20%)	1784/8342	–/116	375/1718 (22%)	1234/7156 (17%)	1609/8990

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	0.8 / 2.4 (35%)	0.5 / 2.2 (23%)	1.3 / 4.6 (29%)
All Causes	1.8 / 8.3 (21%)	1.6 / 9.0 (18%)	3.4 / 17 (20%)

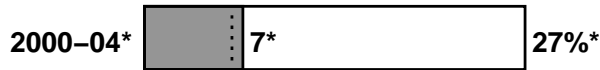
Population risk of dying at ages 0–34



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

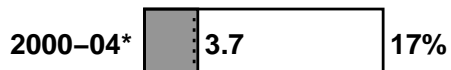
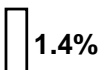
*eg, at years 2000–04 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 7 of these deaths attributed to smoking)

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



Lanarkshire: 2000-04

		No. of deaths			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	14271	557	5255	1000.4	91.2	1051.9	140.4	9.0	22.0	58.6	109.7	142.3	156.5
	F	15536	281	3586	691.7	45.6	639.4	99.1	16.7	11.3	41.4	30.4	53.0	67.4
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	3912	33	1665	271.7	5.2	346.0	5.0	1.1	3.1	1.1	6.0	5.1	15.0
	F	3829	46	1488	191.2	7.1	265.0	7.7	2.4	4.5	6.7	3.6	8.4	16.4
Mouth and pharynx cancer	M	80	-	41	5.6	-	8.3	-	-	-	-	-	-	-
	F	31	-	13	1.5	-	2.4	-	-	-	-	-	-	-
Oesophagus cancer	M	218	1	112	15.2	0.1	22.7	-	-	-	-	-	-	1.0
	F	117	-	46	5.7	-	8.4	-	-	-	-	-	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	46	-	24	3.2	-	4.8	-	-	-	-	-	-	-
	F	10	-	4	0.5	-	0.8	-	-	-	-	-	-	-
Lung cancer	M	1232	3	540	85.0	0.4	114.3	-	-	-	-	-	-	3.0
	F	945	1	364	47.5	0.2	66.5	-	-	-	-	-	1.2	-
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	2336	29	948	162.7	4.6	195.9	5.0	1.1	3.1	1.1	6.0	5.1	11.0
	F	2726	45	1061	136.1	6.9	187.0	7.7	2.4	4.5	6.7	3.6	7.2	16.4
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	5582	23	1863	387.7	3.7	382.6	-	-	3.1	-	-	12.7	10.0
	F	6161	14	975	254.3	2.1	179.6	1.3	1.2	-	-	-	6.0	6.4
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	715	3	192	49.2	0.5	41.8	-	1.1	-	1.1	1.2	-	-
	F	835	5	172	37.2	0.8	32.4	-	1.2	-	1.1	-	1.2	1.8
Other respiratory disease	M	865	6	170	60.5	1.0	34.3	2.5	-	-	-	2.4	-	2.0
	F	1165	6	115	45.0	0.8	20.9	-	-	-	-	1.2	-	4.6
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	387	21	311	27.9	3.1	54.7	-	-	-	-	1.2	3.8	16.9
	F	205	5	166	13.1	0.7	26.9	-	-	-	-	-	1.2	3.6
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	2133	260	728	153.9	43.7	137.7	126.6	5.6	7.3	21.3	41.7	54.6	48.9
	F	2882	133	533	127.1	22.7	93.0	84.9	9.5	3.4	14.5	9.7	19.3	17.3
ALL NON- MEDICAL CAUSES	M	677	211	326	49.6	34.0	54.8	6.3	1.1	8.4	35.1	57.2	66.1	63.8
	F	459	72	137	23.8	11.4	21.5	5.1	2.4	3.4	19.0	15.8	16.9	17.3
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		1326.5	620.7	600.3	79.8	88.5	95.6	93.9	83.9	78.7	100.3
			F=female		1438.1	615.0	653.9	77.7	84.0	88.8	89.4	82.3	83.0	109.8

2000-04: Lanarkshire

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			
177.4	267.1	417.6	648.1	1048.3	1847.7	2957.0	4609.5	7476.5	14360.0	M	ALL CAUSES	001-999/A00-Y89
102.3	153.4	257.0	421.7	640.1	1119.9	1781.1	2962.4	5102.3	12317.3	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
13.9	45.3	77.1	178.8	350.2	688.1	1068.8	1516.3	2125.4	3043.6	M	ALL CANCER	140-208/C00-C97
27.9	60.1	94.4	194.6	323.0	457.2	698.1	939.4	1402.9	1742.5	F		
-	1.0	3.2	5.7	11.1	14.6	22.4	28.2	37.6	50.9	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.0	1.1	3.5	4.0	7.2	6.5	8.4	16.6	F		
0.9	1.9	7.5	15.9	29.7	39.5	63.7	75.9	109.7	127.3	M	Oesophagus cancer	150/C15
-	-	3.0	4.3	13.8	11.9	25.8	22.9	35.5	66.4	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	1.0	2.1	3.4	6.2	8.8	12.0	15.2	21.9	29.1	M	Larynx cancer	161/C32
-	-	-	-	1.2	1.3	2.9	1.6	2.1	6.6	F		
1.8	9.6	19.3	45.6	92.8	279.6	351.1	544.5	739.8	734.5	M	Lung cancer	162/C33, C34
-	10.8	16.1	45.7	71.5	121.2	200.3	302.8	421.7	320.6	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
11.1	31.8	45.0	108.2	210.4	345.5	619.6	852.5	1216.3	2101.8	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
27.9	49.3	74.3	143.5	233.0	318.8	462.1	605.6	935.3	1332.2	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Leukaemia	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Diabetes	
...	...	...	...	...	...	...	...	...	...	F		
34.2	58.8	133.8	216.4	370.0	661.8	1203.1	1954.4	3266.5	6374.5	M	ALL VASCULAR DISEASE	390-459/I00-199
11.0	30.5	55.2	79.3	134.9	361.0	585.1	1137.5	2091.9	5772.4	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
...	...	...	...	...	...	...	...	...	...	F		
0.9	2.9	3.2	8.0	35.9	84.9	156.6	310.2	476.5	818.2	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.8	2.7	6.0	15.2	19.6	56.7	125.9	271.7	384.1	511.6	F		
3.7	4.8	16.1	21.6	30.9	71.7	91.2	219.1	526.6	1527.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.7	4.5	3.0	12.0	25.4	36.9	62.9	122.7	325.7	1350.5	F		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
16.6	38.6	52.5	63.8	74.3	82.0	55.1	69.4	50.2	25.5	M	Liver cirrhosis	571/K70, K74
8.5	11.7	28.1	41.3	34.6	32.9	31.5	27.8	16.7	15.0	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	F		
48.1	66.5	76.0	115.0	142.3	199.1	316.7	470.7	940.4	2283.6	M	Other medical causes	Rest of 001-799/ rest of A00-R99
34.7	27.8	47.2	60.9	77.3	151.5	251.8	419.0	787.1	2629.6	F		
60.1	50.1	58.9	44.4	44.6	60.0	65.4	69.4	90.9	287.3	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
17.8	16.1	23.1	18.5	25.4	23.7	25.8	44.2	93.9	295.7	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
108.2	103.7	93.4	87.8	80.8	68.3	58.1	46.1	31.9	27.5	M	POPULATION	
118.3	111.5	99.6	92.0	86.7	75.9	69.9	61.1	47.9	60.2	F	(1000s; 5 times year 2002)	

Lanarkshire: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	557	33	3	1	29	3	6	23	21	260	211
35-69	Sm.	1612	747	498	109	140	148	46	485	-	186	-
	Total	5255 (31%)	1665 (45%)	540 (92%)	177 (62%)	948 (15%)	192 (77%)	170 (27%)	1863 (26%)	311	728 (26%)	326
70+	Sm.	2307	995	644	113	238	414	107	608	-	183	-
	Total	8459 (27%)	2214 (45%)	689 (93%)	166 (68%)	1359 (18%)	520 (80%)	689 (16%)	3696 (16%)	55	1145 (16%)	140
Any age	Sm.	3919	1742	1142	222	378	562	153	1093	-	369	-
	Total	14271 (27%)	3912 (45%)	1232 (93%)	344 (65%)	2336 (16%)	715 (79%)	865 (18%)	5582 (20%)	387	2133 (17%)	677

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; 5 times year 2002)													
2000-0	1326.5	620.7	600.3	108.2	103.7	93.4	87.8	80.8	68.3	58.1	46.1	31.9	27.5
NUMBER OF DEATHS													
All causes													
2000-0	14271	557	5255	192	277	390	569	847	1262	1718	2125	2385	3949
Lung cancer													
2000-0	1232	3	540	2	10	18	40	75	191	204	251	236	202
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	1000.4*	91.2*	1051.9*	177.4	267.1	417.6	648.1	1048.3	1847.7	2957.0	4609.5	7476.5	14360.0
All cancer													
2000-0	271.7*	5.2*	346.0*	13.9	45.3	77.1	178.8	350.2	688.1	1068.8	1516.3	2125.4	3043.6
Lung cancer													
2000-0	85.0*	0.4*	114.3*	1.8	9.6	19.3	45.6	92.8	279.6	351.1	544.5	739.8	734.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	24.1*	0.1*	35.8*	0.9	3.9	12.8	25.1	47.0	63.0	98.1	119.3	169.3	207.3
Other cancer													
2000-0	162.7*	4.6*	195.9*	11.1	31.8	45.0	108.2	210.4	345.5	619.6	852.5	1216.3	2101.8
Chronic obstructive pulmonary disease (COPD)													
2000-0	49.2*	0.5*	41.8*	0.9	2.9	3.2	8.0	35.9	84.9	156.6	310.2	476.5	818.2
Other respiratory disease													
2000-0	60.5*	1.0*	34.3*	3.7	4.8	16.1	21.6	30.9	71.7	91.2	219.1	526.6	1527.3
Vascular disease													
2000-0	387.7*	3.7*	382.6*	34.2	58.8	133.8	216.4	370.0	661.8	1203.1	1954.4	3266.5	6374.5
Liver cirrhosis													
2000-0	27.9*	3.1*	54.7*	16.6	38.6	52.5	63.8	74.3	82.0	55.1	69.4	50.2	25.5
Other medical causes													
2000-0	153.9*	43.7*	137.7*	48.1	66.5	76.0	115.0	142.3	199.1	316.7	470.7	940.4	2283.6
All non-medical causes													
2000-0	49.6*	34.0*	54.8*	60.1	50.1	58.9	44.4	44.6	60.0	65.4	69.4	90.9	287.3

2000-04: Lanarkshire

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	281	46	1	0	45	5	6	14	5	133	72
35-69	Sm.	1027	401	312	38	51	135	35	298	-	158	-
	Total	3586 (29%)	1488 (27%)	364 (86%)	63 (60%)	1061 (5%)	172 (78%)	115 (30%)	975 (31%)	166	533 (30%)	137
70+	Sm.	2949	742	531	70	141	568	197	1013	-	429	-
	Total	11669 (25%)	2295 (32%)	580 (92%)	95 (74%)	1620 (9%)	658 (86%)	1044 (19%)	5172 (20%)	34	2216 (19%)	250
Any age	Sm.	3976	1143	843	108	192	703	232	1311	-	587	-
	Total	15536 (26%)	3829 (30%)	945 (89%)	158 (68%)	2726 (7%)	835 (84%)	1165 (20%)	6161 (21%)	205	2882 (20%)	459

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; 5 times year 2002)													
2000-0	1438.1	615.0	653.9	118.3	111.5	99.6	92.0	86.7	75.9	69.9	61.1	47.9	60.2
NUMBER OF DEATHS													
All causes													
2000-0	15536	281	3586	121	171	256	388	555	850	1245	1810	2444	7415
Lung cancer													
2000-0	945	1	364	-	12	16	42	62	92	140	185	202	193
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	691.7*	45.6*	639.4*	102.3	153.4	257.0	421.7	640.1	1119.9	1781.1	2962.4	5102.3	12317.3
All cancer													
2000-0	191.2*	7.1*	265.0*	27.9	60.1	94.4	194.6	323.0	457.2	698.1	939.4	1402.9	1742.5
Lung cancer													
2000-0	47.5*	0.2*	66.5*	-	10.8	16.1	45.7	71.5	121.2	200.3	302.8	421.7	320.6
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	7.7*	-	11.5*	-	-	4.0	5.4	18.5	17.1	35.8	31.1	45.9	89.7
Other cancer													
2000-0	136.1*	6.9*	187.0*	27.9	49.3	74.3	143.5	233.0	318.8	462.1	605.6	935.3	1332.2
Chronic obstructive pulmonary disease (COPD)													
2000-0	37.2*	0.8*	32.4*	0.8	2.7	6.0	15.2	19.6	56.7	125.9	271.7	384.1	511.6
Other respiratory disease													
2000-0	45.0*	0.8*	20.9*	1.7	4.5	3.0	12.0	25.4	36.9	62.9	122.7	325.7	1350.5
Vascular disease													
2000-0	254.3*	2.1*	179.6*	11.0	30.5	55.2	79.3	134.9	361.0	585.1	1137.5	2091.9	5772.4
Liver cirrhosis													
2000-0	13.1*	0.7*	26.9*	8.5	11.7	28.1	41.3	34.6	32.9	31.5	27.8	16.7	15.0
Other medical causes													
2000-0	127.1*	22.7*	93.0*	34.7	27.8	47.2	60.9	77.3	151.5	251.8	419.0	787.1	2629.6
All non-medical causes													
2000-0	23.8*	11.4*	21.5*	17.8	16.1	23.1	18.5	25.4	23.7	25.8	44.2	93.9	295.7

Lanarkshire: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.6	– / 0.3	–
35–69	1.6 / 5.3	1.0 / 3.6	21 years
70+	2.3 / 8.5	2.9 / 12	8 years
All ages	3.9 / 14	4.0 / 16	12 years

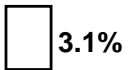
Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/ 3	498/540	644/689	1142/1232	–/ 1	312/364	531/580	843/945
All Cancer	–/33	747/1665 (45%)	995/2214 (45%)	1742/3912	–/46	401/1488 (27%)	742/2295 (32%)	1143/3829
Vascular	–/23	485/1863	608/3696	1093/5582	–/14	298/975	1013/5172	1311/6161
Respiratory	–/ 9	194/362	521/1209	715/1580	–/11	170/287	765/1702	935/2000
All Other	–/492	186/1365	183/1340	369/3197	–/210	158/836	429/2500	587/3546
All Causes	–/557	1612/5255 (31%)	2307/8459 (27%)	3919/14271	–/281	1027/3586 (29%)	2949/11669 (25%)	3976/15536

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	1.7 / 3.9 (45%)	1.1 / 3.8 (30%)	2.9 / 7.7 (37%)
All Causes	3.9 / 14 (27%)	4.0 / 16 (26%)	7.9 / 30 (26%)

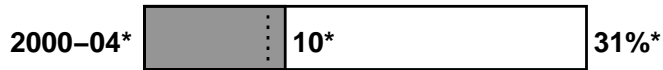
Population risk of dying at ages 0–34



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

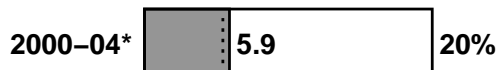
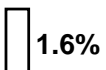
*eg, at years 2000–04 male death rates, out of 100 men aged 35, 31 would die before age 70 (with 10 of these deaths attributed to smoking)

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



Grampian: 2000-04

		No. of deaths			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	12478	524	3898	835.5	88.0	799.1	130.4	8.8	15.3	85.4	115.2	119.3	141.7
	F	13550	236	2381	572.3	42.6	474.2	91.7	8.1	14.7	34.0	37.3	46.2	66.2
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	3622	36	1397	244.3	5.9	296.5	5.6	1.3	2.4	9.6	4.4	3.7	14.3
	F	3426	33	1147	171.5	5.5	229.4	3.1	2.7	4.9	-	6.2	5.1	16.3
Mouth and pharynx cancer	M	75	-	37	5.2	-	7.6	-	-	-	-	-	-	-
	F	36	-	11	1.8	-	2.3	-	-	-	-	-	-	-
Oesophagus cancer	M	211	3	103	14.6	0.5	21.1	-	-	-	-	-	2.5	1.0
	F	126	-	37	6.1	-	7.6	-	-	-	-	-	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	41	-	20	2.8	-	4.1	-	-	-	-	-	-	-
	F	10	-	2	0.5	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	909	-	370	61.6	-	81.5	-	-	-	-	-	-	-
	F	693	-	261	36.5	-	53.8	-	-	-	-	-	-	-
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	2386	33	867	160.2	5.4	182.2	5.6	1.3	2.4	9.6	4.4	1.2	13.3
	F	2561	33	836	126.7	5.5	165.4	3.1	2.7	4.9	-	6.2	5.1	16.3
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	4719	20	1231	309.0	3.2	260.9	4.2	-	1.2	1.2	4.4	1.2	10.2
	F	5459	14	534	205.5	2.4	111.3	3.1	-	-	1.3	3.7	3.9	5.1
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	615	1	117	39.7	0.2	26.7	-	-	1.2	-	-	-	-
	F	558	5	91	24.3	0.9	19.8	-	-	-	2.5	1.2	1.3	1.0
Other respiratory disease	M	645	5	96	41.3	0.8	20.3	1.4	-	-	-	2.2	1.2	1.0
	F	905	3	59	31.6	0.6	11.9	1.5	-	1.2	-	-	1.3	-
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	194	3	161	14.0	0.5	29.7	-	-	-	-	-	1.2	2.0
	F	86	-	65	5.7	-	11.3	-	-	-	-	-	-	-
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	1955	225	575	134.5	39.4	111.1	110.8	2.5	4.7	18.1	46.5	50.4	42.8
	F	2692	116	377	111.8	22.2	71.6	78.0	5.4	4.9	13.8	9.9	21.8	21.4
ALL NON- MEDICAL CAUSES	M	728	234	321	52.7	38.0	53.9	8.4	5.0	5.9	56.6	57.6	61.5	71.4
	F	424	65	108	21.9	11.1	19.0	6.1	-	3.7	16.4	16.1	12.8	22.4
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		1294.3	588.5	595.0	71.3	79.7	84.7	83.1	90.3	81.3	98.1
			F=female		1322.2	557.6	593.3	65.4	74.4	81.7	79.5	80.5	77.9	98.2

2000-04: Grampian

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			
167.5	213.3	298.1	464.5	848.0	1394.0	2208.3	3805.3	6313.3	13086.4	M	ALL CAUSES	001-999/A00-Y89
73.3	118.6	224.0	285.2	479.2	802.8	1336.6	2297.3	4086.5	11421.4	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
19.9	47.9	74.3	153.8	330.4	572.8	876.1	1455.8	2024.1	2651.2	M	ALL CANCER	140-208/C00-C97
20.0	42.9	95.4	157.8	261.0	411.3	617.6	870.8	1270.0	1709.2	F		
0.9	1.0	2.1	4.3	12.6	14.2	18.0	31.0	39.2	34.0	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.1	1.1	2.5	4.6	6.5	10.6	14.8	17.8	F		
1.9	2.0	7.3	12.9	33.9	41.1	48.5	90.7	105.4	89.5	M	Oesophagus cancer	150/C15
-	2.0	3.2	2.3	7.6	16.8	21.2	35.4	50.6	66.8	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
0.9	-	1.0	2.2	7.5	7.9	9.0	17.7	21.1	18.5	M	Larynx cancer	161/C32
-	-	-	-	-	1.5	1.6	3.5	4.2	5.9	F		
-	4.9	13.6	34.4	77.9	172.5	267.5	422.6	527.1	534.0	M	Lung cancer	162/C33, C34
1.9	5.0	17.1	30.4	51.7	111.6	158.5	221.2	318.6	231.5	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
16.1	40.1	50.2	100.0	198.5	337.0	533.2	893.8	1331.3	1975.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
18.1	35.9	74.0	124.0	199.2	276.8	429.7	600.0	881.9	1387.2	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Leukaemia	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Diabetes	
...	...	...	...	...	...	...	...	...	...	F		
22.7	48.9	81.6	134.4	262.6	457.3	818.7	1458.0	2623.5	5981.5	M	ALL VASCULAR DISEASE	390-459/I00-199
6.7	16.9	31.1	36.1	108.4	195.7	384.0	812.4	1656.1	5440.7	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
...	...	...	...	...	...	...	...	...	...	F		
0.9	1.0	-	5.4	27.6	44.3	107.7	219.0	427.7	790.1	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
1.0	-	1.1	6.8	10.1	41.3	78.4	168.1	251.1	368.0	F		
3.8	1.0	4.2	9.7	25.1	41.1	57.5	152.7	319.3	1138.9	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.9	2.0	5.4	4.5	12.6	15.3	40.8	72.6	200.4	1049.0	F		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
11.4	14.7	22.0	29.0	41.5	44.3	44.9	26.5	42.2	12.3	M	Liver cirrhosis	571/K70, K74
5.7	7.0	13.9	14.7	13.9	12.2	11.4	14.2	12.7	10.4	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	F		
47.3	47.9	61.7	82.8	114.3	172.5	251.3	413.7	750.0	2219.1	M	Other medical causes	Rest of 001-799/ rest of A00-R99
26.6	33.9	55.7	44.0	60.5	105.5	174.8	322.1	586.5	2580.1	F		
61.5	51.9	54.4	49.5	46.5	61.7	52.1	79.6	126.5	293.2	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
10.5	16.0	21.4	21.4	12.6	21.4	29.4	37.2	109.7	264.1	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
105.7	102.2	95.6	93.0	79.6	63.2	55.7	45.2	33.2	32.4	M	POPULATION	
105.1	100.3	93.3	88.7	79.3	65.4	61.2	56.5	47.4	67.4	F	(1000s; 5 times year 2002)	

Grampian: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	524	36	0	3	33	1	5	20	3	225	234
35-69	Sm.	955	502	328	83	91	83	20	240	-	110	-
	Total	3898 (24%)	1397 (36%)	370 (89%)	160 (52%)	867 (10%)	117 (71%)	96 (21%)	1231 (19%)	161	575 (19%)	321
70+	Sm.	1766	784	490	99	195	366	63	416	-	137	-
	Total	8056 (22%)	2189 (36%)	539 (91%)	164 (60%)	1486 (13%)	497 (74%)	544 (12%)	3468 (12%)	30	1155 (12%)	173
Any age	Sm.	2721	1286	818	182	286	449	83	656	-	247	-
	Total	12478 (22%)	3622 (36%)	909 (90%)	327 (56%)	2386 (12%)	615 (73%)	645 (13%)	4719 (14%)	194	1955 (13%)	728

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; 5 times year 2002)													
2000-0	1294.3	588.5	595.0	105.7	102.2	95.6	93.0	79.6	63.2	55.7	45.2	33.2	32.4
NUMBER OF DEATHS													
All causes													
2000-0	12478	524	3898	177	218	285	432	675	881	1230	1720	2096	4240
Lung cancer													
2000-0	909	-	370	-	5	13	32	62	109	149	191	175	173
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	835.5*	88.0*	799.1*	167.5	213.3	298.1	464.5	848.0	1394.0	2208.3	3805.3	6313.3	13086.4
All cancer													
2000-0	244.3*	5.9*	296.5*	19.9	47.9	74.3	153.8	330.4	572.8	876.1	1455.8	2024.1	2651.2
Lung cancer													
2000-0	61.6*	-	81.5*	-	4.9	13.6	34.4	77.9	172.5	267.5	422.6	527.1	534.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	22.6*	0.5*	32.7*	3.8	2.9	10.5	19.4	54.0	63.3	75.4	139.4	165.7	142.0
Other cancer													
2000-0	160.2*	5.4*	182.2*	16.1	40.1	50.2	100.0	198.5	337.0	533.2	893.8	1331.3	1975.3
Chronic obstructive pulmonary disease (COPD)													
2000-0	39.7*	0.2*	26.7*	0.9	1.0	-	5.4	27.6	44.3	107.7	219.0	427.7	790.1
Other respiratory disease													
2000-0	41.3*	0.8*	20.3*	3.8	1.0	4.2	9.7	25.1	41.1	57.5	152.7	319.3	1138.9
Vascular disease													
2000-0	309.0*	3.2*	260.9*	22.7	48.9	81.6	134.4	262.6	457.3	818.7	1458.0	2623.5	5981.5
Liver cirrhosis													
2000-0	14.0*	0.5*	29.7*	11.4	14.7	22.0	29.0	41.5	44.3	44.9	26.5	42.2	12.3
Other medical causes													
2000-0	134.5*	39.4*	111.1*	47.3	47.9	61.7	82.8	114.3	172.5	251.3	413.7	750.0	2219.1
All non-medical causes													
2000-0	52.7*	38.0*	53.9*	61.5	51.9	54.4	49.5	46.5	61.7	52.1	79.6	126.5	293.2

2000-04: Grampian

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	236	33	0	0	33	5	3	14	0	116	65
35-69	Sm.	581	275	215	28	32	68	15	135	-	88	-
	Total	2381 (24%)	1147 (24%)	261 (82%)	50 (56%)	836 (4%)	91 (75%)	59 (25%)	534 (25%)	65	377 (23%)	108
70+	Sm.	2116	575	384	81	110	379	120	722	-	320	-
	Total	10933 (19%)	2246 (26%)	432 (89%)	122 (66%)	1692 (7%)	462 (82%)	843 (14%)	4911 (15%)	21	2199 (15%)	251
Any age	Sm.	2697	850	599	109	142	447	135	857	-	408	-
	Total	13550 (20%)	3426 (25%)	693 (86%)	172 (63%)	2561 (6%)	558 (80%)	905 (15%)	5459 (16%)	86	2692 (15%)	424

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; 5 times year 2002)													
2000-0	1322.2	557.6	593.3	105.1	100.3	93.3	88.7	79.3	65.4	61.2	56.5	47.4	67.4
NUMBER OF DEATHS													
All causes													
2000-0	13550	236	2381	77	119	209	253	380	525	818	1298	1937	7698
Lung cancer													
2000-0	693	-	261	2	5	16	27	41	73	97	125	151	156
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	572.3*	42.6*	474.2*	73.3	118.6	224.0	285.2	479.2	802.8	1336.6	2297.3	4086.5	11421.4
All cancer													
2000-0	171.5*	5.5*	229.4*	20.0	42.9	95.4	157.8	261.0	411.3	617.6	870.8	1270.0	1709.2
Lung cancer													
2000-0	36.5*	-	53.8*	1.9	5.0	17.1	30.4	51.7	111.6	158.5	221.2	318.6	231.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	8.3*	-	10.3*	-	2.0	4.3	3.4	10.1	22.9	29.4	49.6	69.6	90.5
Other cancer													
2000-0	126.7*	5.5*	165.4*	18.1	35.9	74.0	124.0	199.2	276.8	429.7	600.0	881.9	1387.2
Chronic obstructive pulmonary disease (COPD)													
2000-0	24.3*	0.9*	19.8*	1.0	-	1.1	6.8	10.1	41.3	78.4	168.1	251.1	368.0
Other respiratory disease													
2000-0	31.6*	0.6*	11.9*	2.9	2.0	5.4	4.5	12.6	15.3	40.8	72.6	200.4	1049.0
Vascular disease													
2000-0	205.5*	2.4*	111.3*	6.7	16.9	31.1	36.1	108.4	195.7	384.0	812.4	1656.1	5440.7
Liver cirrhosis													
2000-0	5.7*	-	11.3*	5.7	7.0	13.9	14.7	13.9	12.2	11.4	14.2	12.7	10.4
Other medical causes													
2000-0	111.8*	22.2*	71.6*	26.6	33.9	55.7	44.0	60.5	105.5	174.8	322.1	586.5	2580.1
All non-medical causes													
2000-0	21.9*	11.1*	19.0*	10.5	16.0	21.4	21.4	12.6	21.4	29.4	37.2	109.7	264.1

Grampian: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	- / 0.5	- / 0.2	-
35–69	1.0 / 3.9	0.6 / 2.4	22 years
70+	1.8 / 8.1	2.1 / 11	8 years
All ages	2.7 / 12	2.7 / 14	12 years

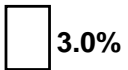
Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	- / 0	328/370	490/539	818/909	- / 0	215/261	384/432	599/693
All Cancer	- / 36	502/1397 (36%)	784/2189 (36%)	1286/3622	- / 33	275/1147 (24%)	575/2246 (26%)	850/3426
Vascular	- / 20	240/1231	416/3468	656/4719	- / 14	135/534	722/4911	857/5459
Respiratory	- / 6	103/213	429/1041	532/1260	- / 8	83/150	499/1305	582/1463
All Other	- / 462	110/1057	137/1358	247/2877	- / 181	88/550	320/2471	408/3202
All Causes	- / 524	955/3898 (24%)	1766/8056 (22%)	2721/12478	- / 236	581/2381 (24%)	2116/10933 (19%)	2697/13550

Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	1.3 / 3.6 (36%)	0.9 / 3.4 (25%)	2.1 / 7.0 (30%)
All Causes	2.7 / 12 (22%)	2.7 / 14 (20%)	5.4 / 26 (21%)

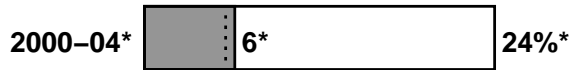
Population risk of dying at ages 0–34



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

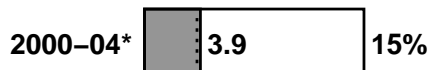
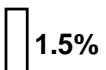
*eg, at years 2000–04 male death rates, out of 100 men aged 35, 24 would die before age 70 (with 6 of these deaths attributed to smoking)

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



Lothian: 2000-04

		No. of deaths			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	18470	641	5893	875.4	69.6	887.7	116.7	15.7	15.1	46.5	81.5	100.0	111.8
	F	20976	322	4025	604.5	36.4	553.4	98.6	6.5	15.9	30.0	23.8	32.8	47.1
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	5287	46	1967	253.6	4.9	308.2	3.8	3.5	3.4	4.2	2.8	5.2	11.6
	F	5203	51	1802	179.1	5.2	249.1	1.0	3.7	5.3	3.4	2.6	7.7	12.8
Mouth and pharynx cancer	M	115	-	57	5.7	-	8.6	-	-	-	-	-	-	-
	F	62	-	16	2.0	-	2.3	-	-	-	-	-	-	-
Oesophagus cancer	M	324	-	161	16.1	-	24.2	-	-	-	-	-	-	-
	F	227	-	60	7.2	-	8.6	-	-	-	-	-	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	67	-	33	3.3	-	4.9	-	-	-	-	-	-	-
	F	18	-	5	0.6	-	0.7	-	-	-	-	-	-	-
Lung cancer	M	1566	1	604	75.4	0.1	97.2	-	-	-	-	-	-	0.6
	F	1201	-	423	42.6	-	60.4	-	-	-	-	-	-	-
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	3215	45	1112	153.1	4.8	173.4	3.8	3.5	3.4	4.2	2.8	5.2	11.0
	F	3695	51	1298	126.7	5.2	177.0	1.0	3.7	5.3	3.4	2.6	7.7	12.8
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	6864	30	1921	319.9	3.0	295.7	0.9	-	0.8	2.5	2.8	1.5	12.3
	F	8070	12	906	206.8	1.3	130.9	2.9	-	-	-	0.7	3.5	1.8
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	1082	5	258	50.0	0.5	43.0	-	-	0.8	-	1.4	0.7	0.6
	F	1074	3	228	32.8	0.3	33.4	-	-	-	0.9	-	-	1.2
Other respiratory disease	M	1034	7	169	46.6	0.8	26.7	1.9	-	-	-	-	1.5	1.9
	F	1415	8	109	33.8	1.0	15.1	3.9	-	0.9	-	0.7	0.7	0.6
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	435	16	346	22.9	1.5	46.8	-	-	-	-	-	0.7	9.7
	F	251	5	197	11.7	0.4	23.8	-	-	-	-	-	0.7	2.4
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	2868	269	814	137.5	31.2	115.1	101.6	5.2	3.4	15.2	25.6	40.0	27.1
	F	4255	157	593	117.1	19.1	78.9	84.1	1.9	5.3	8.6	7.3	11.2	15.3
ALL NON- MEDICAL CAUSES	M	900	268	418	44.9	27.8	52.1	8.5	7.0	6.7	24.5	49.0	50.4	48.5
	F	708	86	190	23.3	9.1	22.2	6.8	0.9	4.4	17.2	12.5	9.1	12.8
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		1869.1	892.5	818.2	106.3	114.4	119.1	118.2	144.8	135.0	154.7
			F=female		2026.3	899.6	871.1	103.4	108.1	113.4	116.5	151.5	143.1	163.6

2000-04: Lothian

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			
160.5	226.4	304.6	578.0	927.1	1619.4	2397.7	4039.1	6687.6	13192.7	M	ALL CAUSES	001-999/A00-Y89
88.1	122.9	240.2	371.0	596.2	896.8	1558.8	2414.3	4303.5	11335.3	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
17.3	34.9	69.6	187.8	320.4	614.8	912.6	1431.3	2077.6	2927.2	M	ALL CANCER	140-208/C00-C97
20.5	52.2	95.0	173.6	294.6	449.5	658.4	910.6	1295.0	1645.2	F		
0.6	0.7	2.4	8.2	11.1	18.7	18.3	29.7	39.8	42.8	M	Mouth and pharynx cancer	140-149/C00-C14
-	0.7	0.8	0.8	1.7	5.3	6.8	12.1	15.6	24.4	F		
1.3	2.8	7.9	22.0	31.4	50.4	53.5	84.4	109.0	122.1	M	Oesophagus cancer	150/C15
-	1.3	2.3	3.9	7.0	21.1	24.9	45.9	55.3	88.0	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
0.6	0.7	1.6	4.1	6.5	10.5	10.4	17.2	23.1	25.7	M	Larynx cancer	161/C32
-	-	-	-	0.9	2.1	2.3	3.6	4.3	6.8	F		
-	4.9	15.8	54.7	95.1	183.8	325.9	487.5	660.4	715.2	M	Lung cancer	162/C33, C34
2.4	5.9	17.0	37.1	55.9	121.1	183.3	291.1	366.0	272.7	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
14.8	25.9	41.9	98.8	176.4	351.3	504.6	812.5	1245.3	2021.4	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
18.1	44.3	74.9	131.8	229.0	300.0	441.2	558.0	853.9	1253.2	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Leukaemia	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Diabetes	
...	...	...	...	...	...	...	...	...	...	F		
32.1	58.7	86.2	179.6	301.9	559.7	851.4	1576.6	2788.3	5511.8	M	ALL VASCULAR DISEASE	390-459/I00-199
10.9	10.6	35.5	56.8	116.3	215.8	470.6	810.4	1696.5	5166.2	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
...	...	...	...	...	...	...	...	...	...	F		
0.6	3.5	1.6	7.3	37.9	94.8	155.1	285.9	490.6	860.8	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
0.6	2.6	2.3	17.4	30.6	52.6	127.8	204.1	341.8	423.3	F		
3.9	1.4	9.5	9.8	25.9	46.8	90.0	153.1	327.0	1293.4	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.2	2.0	9.3	11.0	14.0	29.5	38.5	79.7	217.0	1054.7	F		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
11.6	18.2	35.6	61.2	71.1	59.7	70.4	53.1	50.3	32.1	M	Liver cirrhosis	571/K70, K74
10.9	12.5	30.1	22.9	41.1	27.4	21.5	25.4	15.6	16.6	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	F		
43.0	60.1	56.2	88.2	118.2	186.2	254.2	476.6	851.2	2299.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
21.7	26.4	48.6	63.1	77.8	103.2	211.5	345.4	665.2	2688.2	F		
52.0	49.6	45.9	44.1	51.7	57.4	63.9	62.5	102.7	267.7	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
22.3	16.5	19.3	26.0	21.9	18.9	30.5	38.6	72.3	341.2	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
155.8	143.1	126.4	122.5	108.3	85.4	76.7	64.0	47.7	46.7	M	POPULATION	
165.7	151.4	129.5	126.7	114.4	95.0	88.4	82.8	70.5	102.3	F	(1000s; 5 times year 2002)	

Lothian: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	641	46	1	0	45	5	7	30	16	269	268
35-69	Sm.	1707	838	549	145	144	191	38	448	-	192	-
	Total	5893 (29%)	1967 (43%)	604 (91%)	251 (58%)	1112 (13%)	258 (74%)	169 (22%)	1921 (23%)	346	814 (24%)	418
70+	Sm.	3109	1382	890	166	326	636	118	717	-	256	-
	Total	11936 (26%)	3274 (42%)	961 (93%)	255 (65%)	2058 (16%)	819 (78%)	858 (14%)	4913 (15%)	73	1785 (14%)	214
Any age	Sm.	4816	2220	1439	311	470	827	156	1165	-	448	-
	Total	18470 (26%)	5287 (42%)	1566 (92%)	506 (61%)	3215 (15%)	1082 (76%)	1034 (15%)	6864 (17%)	435	2868 (16%)	900

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; 5 times year 2002)													
2000-0	1869.1	892.5	818.2	155.8	143.1	126.4	122.5	108.3	85.4	76.7	64.0	47.7	46.7
NUMBER OF DEATHS													
All causes													
2000-0	18470	641	5893	250	324	385	708	1004	1383	1839	2585	3190	6161
Lung cancer													
2000-0	1566	1	604	-	7	20	67	103	157	250	312	315	334
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)									
All causes													
2000-0	875.4*	69.6*	887.7*	160.5	226.4	304.6	578.0	927.1	1619.4	2397.7	4039.1	6687.6	13192.7
All cancer													
2000-0	253.6*	4.9*	308.2*	17.3	34.9	69.6	187.8	320.4	614.8	912.6	1431.3	2077.6	2927.2
Lung cancer													
2000-0	75.4*	0.1*	97.2*	-	4.9	15.8	54.7	95.1	183.8	325.9	487.5	660.4	715.2
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	25.1*	-	37.7*	2.6	4.2	11.9	34.3	48.9	79.6	82.1	131.3	171.9	190.6
Other cancer													
2000-0	153.1*	4.8*	173.4*	14.8	25.9	41.9	98.8	176.4	351.3	504.6	812.5	1245.3	2021.4
Chronic obstructive pulmonary disease (COPD)													
2000-0	50.0*	0.5*	43.0*	0.6	3.5	1.6	7.3	37.9	94.8	155.1	285.9	490.6	860.8
Other respiratory disease													
2000-0	46.6*	0.8*	26.7*	3.9	1.4	9.5	9.8	25.9	46.8	90.0	153.1	327.0	1293.4
Vascular disease													
2000-0	319.9*	3.0*	295.7*	32.1	58.7	86.2	179.6	301.9	559.7	851.4	1576.6	2788.3	5511.8
Liver cirrhosis													
2000-0	22.9*	1.5*	46.8*	11.6	18.2	35.6	61.2	71.1	59.7	70.4	53.1	50.3	32.1
Other medical causes													
2000-0	137.5*	31.2*	115.1*	43.0	60.1	56.2	88.2	118.2	186.2	254.2	476.6	851.2	2299.8
All non-medical causes													
2000-0	44.9*	27.8*	52.1*	52.0	49.6	45.9	44.1	51.7	57.4	63.9	62.5	102.7	267.7

2000-04: Lothian

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	322	51	0	0	51	3	8	12	5	157	86
35-69	Sm.	1070	458	355	47	56	174	29	254	-	155	-
	Total	4025	1802	423	81	1298	228	109	906	197	593	190
		(27%)	(25%)	(84%)	(58%)	(4%)	(76%)	(27%)	(28%)		(26%)	
70+	Sm.	3785	1049	706	162	181	713	213	1219	-	591	-
	Total	16629	3350	778	226	2346	843	1298	7152	49	3505	432
		(23%)	(31%)	(91%)	(72%)	(8%)	(85%)	(16%)	(17%)		(17%)	
Any age	Sm.	4855	1507	1061	209	237	887	242	1473	-	746	-
	Total	20976	5203	1201	307	3695	1074	1415	8070	251	4255	708
		(23%)	(29%)	(88%)	(68%)	(6%)	(83%)	(17%)	(18%)		(18%)	

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; 5 times year 2002)													
2000-0	2026.3	899.6	871.1	165.7	151.4	129.5	126.7	114.4	95.0	88.4	82.8	70.5	102.3
NUMBER OF DEATHS													
All causes													
2000-0	20976	322	4025	146	186	311	470	682	852	1378	1999	3034	11596
Lung cancer													
2000-0	1201	-	423	4	9	22	47	64	115	162	241	258	279
ANNUAL DEATH RATE / 100,000													
All causes													
2000-0	604.5*	36.4*	553.4*	88.1	122.9	240.2	371.0	596.2	896.8	1558.8	2414.3	4303.5	11335.3
All cancer													
2000-0	179.1*	5.2*	249.1*	20.5	52.2	95.0	173.6	294.6	449.5	658.4	910.6	1295.0	1645.2
Lung cancer													
2000-0	42.6*	-	60.4*	2.4	5.9	17.0	37.1	55.9	121.1	183.3	291.1	366.0	272.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	9.8*	-	11.7*	-	2.0	3.1	4.7	9.6	28.4	33.9	61.6	75.2	119.3
Other cancer													
2000-0	126.7*	5.2*	177.0*	18.1	44.3	74.9	131.8	229.0	300.0	441.2	558.0	853.9	1253.2
Chronic obstructive pulmonary disease (COPD)													
2000-0	32.8*	0.3*	33.4*	0.6	2.6	2.3	17.4	30.6	52.6	127.8	204.1	341.8	423.3
Other respiratory disease													
2000-0	33.8*	1.0*	15.1*	1.2	2.0	9.3	11.0	14.0	29.5	38.5	79.7	217.0	1054.7
Vascular disease													
2000-0	206.8*	1.3*	130.9*	10.9	10.6	35.5	56.8	116.3	215.8	470.6	810.4	1696.5	5166.2
Liver cirrhosis													
2000-0	11.7*	0.4*	23.8*	10.9	12.5	30.1	22.9	41.1	27.4	21.5	25.4	15.6	16.6
Other medical causes													
2000-0	117.1*	19.1*	78.9*	21.7	26.4	48.6	63.1	77.8	103.2	211.5	345.4	665.2	2688.2
All non-medical causes													
2000-0	23.3*	9.1*	22.2*	22.3	16.5	19.3	26.0	21.9	18.9	30.5	38.6	72.3	341.2

(*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)

Lothian: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.6	– / 0.3	–
35–69	1.7 / 5.9	1.1 / 4.0	22 years
70+	3.1 / 12	3.8 / 17	8 years
All ages	4.8 / 18	4.9 / 21	12 years

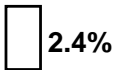
Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	–/ 1	549/604	890/961	1439/1566	–/ 0	355/423	706/778	1061/1201
All Cancer	–/46	838/1967 (43%)	1382/3274 (42%)	2220/5287	–/51	458/1802 (25%)	1049/3350 (31%)	1507/5203
Vascular	–/30	448/1921	717/4913	1165/6864	–/12	254/906	1219/7152	1473/8070
Respiratory	–/12	229/427	754/1677	983/2116	–/11	203/337	926/2141	1129/2489
All Other	–/553	192/1578	256/2072	448/4203	–/248	155/980	591/3986	746/5214
All Causes	–/641	1707/5893 (29%)	3109/11936 (26%)	4816/18470	–/322	1070/4025 (27%)	3785/16629 (23%)	4855/20976

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	2.2 / 5.3 (42%)	1.5 / 5.2 (29%)	3.7 / 10 (36%)
All Causes	4.8 / 18 (26%)	4.9 / 21 (23%)	9.7 / 39 (25%)

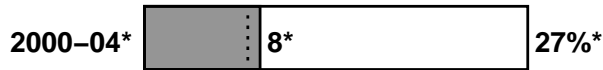
Population risk of dying at ages 0–34



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

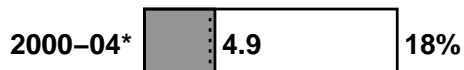
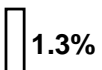
*eg, at years 2000–04 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 8 of these deaths attributed to smoking)

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



Tayside: 2000-04

		No. of deaths			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	10992	371	3346	869.2	94.2	879.8	135.2	14.2	24.4	67.5	109.7	146.8	161.6
	F	12578	180	2224	610.4	46.0	539.5	94.3	11.1	13.7	33.5	37.7	56.2	75.5
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	3063	31	1117	242.8	7.6	299.9	2.0	5.3	3.2	9.6	6.5	9.9	16.8
	F	3053	30	985	177.1	7.4	238.1	4.2	5.6	3.4	1.7	5.1	13.6	18.1
Mouth and pharynx cancer	M	74	1	38	6.2	0.2	9.8	-	-	-	-	-	-	1.7
	F	32	-	9	1.7	-	2.2	-	-	-	-	-	-	-
Oesophagus cancer	M	204	3	103	17.2	0.7	26.4	-	-	-	-	1.6	-	3.4
	F	112	-	27	5.7	-	6.8	-	-	-	-	-	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	41	-	21	3.4	-	5.4	-	-	-	-	-	-	-
	F	8	-	2	0.4	-	0.5	-	-	-	-	-	-	-
Lung cancer	M	804	-	319	64.0	-	86.9	-	-	-	-	-	-	-
	F	634	1	229	38.4	0.3	56.2	-	-	-	-	-	1.9	-
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	1940	27	636	151.9	6.7	171.3	2.0	5.3	3.2	9.6	4.8	9.9	11.8
	F	2267	29	718	130.8	7.1	172.3	4.2	5.6	3.4	1.7	5.1	11.6	18.1
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	4280	14	1099	323.5	3.6	296.5	4.0	-	-	-	4.8	6.0	10.1
	F	5085	10	553	218.9	2.4	137.6	-	-	-	1.7	6.8	3.9	4.5
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	651	5	150	48.8	1.2	41.6	-	-	-	-	1.6	2.0	5.1
	F	622	2	128	31.6	0.5	32.2	-	-	1.7	-	1.7	-	-
Other respiratory disease	M	605	4	76	43.7	1.0	20.3	2.0	-	-	1.6	1.6	-	1.7
	F	878	2	56	34.2	0.5	13.9	-	-	1.7	-	-	-	1.5
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	189	6	154	18.2	1.5	37.4	-	-	-	-	1.6	4.0	5.1
	F	99	4	71	8.2	0.9	16.3	-	-	-	-	-	1.9	4.5
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	1642	141	496	136.6	37.4	125.2	119.3	5.3	6.5	17.7	24.2	51.6	37.0
	F	2468	77	343	117.1	20.7	81.5	83.9	3.7	-	10.1	13.7	7.8	25.7
ALL NON- MEDICAL CAUSES	M	562	170	254	55.6	41.9	59.0	8.0	3.5	14.6	38.6	69.4	73.4	85.9
	F	373	55	88	23.4	13.7	19.9	6.3	1.9	6.9	20.1	10.3	29.1	21.1
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		930.1	402.3	428.2	50.3	56.4	61.6	62.2	62.0	50.4	59.4
			F=female		1007.0	395.8	455.7	47.7	54.0	58.2	59.7	58.4	51.6	66.2

2000-04: Tayside

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			
204.6	219.7	405.4	523.7	881.2	1559.5	2364.8	3867.8	6177.3	13098.0	M	ALL CAUSES	001-999/A00-Y89
78.8	159.2	249.2	358.2	545.2	897.8	1487.8	2462.6	4212.3	11622.3	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
17.2	31.8	99.4	166.4	324.2	608.2	851.9	1401.5	1849.5	2702.7	M	ALL CANCER	140-208/C00-C97
24.0	60.7	126.1	176.1	269.5	390.7	619.6	907.5	1219.2	1712.6	F		
-	1.4	3.2	9.2	17.7	17.5	19.3	32.4	30.1	43.9	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	1.5	1.5	1.6	3.6	7.5	7.9	11.4	23.0	F		
-	2.9	9.5	26.0	46.5	48.7	51.5	89.8	87.0	121.6	M	Oesophagus cancer	150/C15
-	-	3.0	3.0	4.7	12.5	24.5	29.5	41.1	85.4	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	-	1.6	6.1	9.6	9.7	10.7	17.5	16.7	27.0	M	Larynx cancer	161/C32
-	-	-	-	-	1.8	1.9	2.0	2.3	6.6	F		
-	4.3	26.8	44.3	83.5	179.3	270.4	448.9	481.6	543.9	M	Lung cancer	162/C33, C34
2.7	4.0	19.5	50.7	56.1	98.6	162.0	248.0	278.5	256.2	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
17.2	23.1	58.4	80.9	166.9	352.8	500.0	813.0	1234.1	1966.2	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
21.4	56.7	102.1	120.9	207.2	274.2	423.7	620.1	885.8	1341.5	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F	Leukaemia	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Diabetes	
...	...	...	...	...	...	...	...	...	...	M		
25.8	49.1	112.0	154.2	260.0	553.6	920.6	1486.3	2612.0	6047.3	M	ALL VASCULAR DISEASE	390-459/I00-199
16.0	32.4	24.0	67.2	113.7	225.8	484.0	921.3	1719.2	5420.4	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
2.9	1.4	4.7	15.3	36.9	83.8	145.9	271.8	484.9	817.6	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	2.7	9.0	11.9	28.0	66.3	107.3	190.9	303.7	430.2	F		
1.4	5.8	9.5	10.7	17.7	37.0	60.1	192.0	357.9	1152.0	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
2.7	2.7	6.0	1.5	14.0	25.1	45.2	86.6	184.9	1141.2	F		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
17.2	14.5	34.7	45.8	48.2	60.4	40.8	37.4	26.8	20.3	M	Liver cirrhosis	571/K70, K74
2.7	6.7	16.5	25.4	18.7	17.9	26.4	17.7	16.0	13.1	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	M		
73.0	52.0	69.4	90.1	142.9	163.7	285.4	431.4	742.5	2060.8	M	Other medical causes	Rest of 001-799/ rest of A00-R99
24.0	32.4	46.5	62.7	85.7	136.2	182.7	307.1	691.8	2609.2	F		
67.2	65.0	75.7	41.2	51.4	52.6	60.1	47.4	103.7	297.3	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
9.3	21.6	21.0	13.4	15.6	35.8	22.6	31.5	77.6	295.6	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
69.9	69.2	63.4	65.5	62.3	51.3	46.6	40.1	29.9	29.6	M	POPULATION	
74.9	74.1	66.6	67.0	64.2	55.8	53.1	50.8	43.8	60.9	F	(1000s; 5 times year 2002)	

Tayside: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	371	31	0	4	27	5	4	14	6	141	170
35-69	Sm.	913	449	287	88	74	107	15	235	-	107	-
	Total	3346 (27%)	1117 (40%)	319 (90%)	162 (54%)	636 (12%)	150 (71%)	76 (20%)	1099 (21%)	154	496 (22%)	254
70+	Sm.	1584	690	440	90	160	359	58	363	-	114	-
	Total	7275 (22%)	1915 (36%)	485 (91%)	153 (59%)	1277 (13%)	496 (72%)	525 (11%)	3167 (11%)	29	1005 (11%)	138
Any age	Sm.	2497	1139	727	178	234	466	73	598	-	221	-
	Total	10992 (23%)	3063 (37%)	804 (90%)	319 (56%)	1940 (12%)	651 (72%)	605 (12%)	4280 (14%)	189	1642 (13%)	562

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; 5 times year 2002)													
2000-0	930.1	402.3	428.2	69.9	69.2	63.4	65.5	62.3	51.3	46.6	40.1	29.9	29.6
NUMBER OF DEATHS													
All causes													
2000-0	10992	371	3346	143	152	257	343	549	800	1102	1551	1847	3877
Lung cancer													
2000-0	804	-	319	-	3	17	29	52	92	126	180	144	161
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	869.2*	94.2*	879.8*	204.6	219.7	405.4	523.7	881.2	1559.5	2364.8	3867.8	6177.3	13098.0
All cancer													
2000-0	242.8*	7.6*	299.9*	17.2	31.8	99.4	166.4	324.2	608.2	851.9	1401.5	1849.5	2702.7
Lung cancer													
2000-0	64.0*	-	86.9*	-	4.3	26.8	44.3	83.5	179.3	270.4	448.9	481.6	543.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	26.9*	1.0*	41.6*	-	4.3	14.2	41.2	73.8	76.0	81.5	139.7	133.8	192.6
Other cancer													
2000-0	151.9*	6.7*	171.3*	17.2	23.1	58.4	80.9	166.9	352.8	500.0	813.0	1234.1	1966.2
Chronic obstructive pulmonary disease (COPD)													
2000-0	48.8*	1.2*	41.6*	2.9	1.4	4.7	15.3	36.9	83.8	145.9	271.8	484.9	817.6
Other respiratory disease													
2000-0	43.7*	1.0*	20.3*	1.4	5.8	9.5	10.7	17.7	37.0	60.1	192.0	357.9	1152.0
Vascular disease													
2000-0	323.5*	3.6*	296.5*	25.8	49.1	112.0	154.2	260.0	553.6	920.6	1486.3	2612.0	6047.3
Liver cirrhosis													
2000-0	18.2*	1.5*	37.4*	17.2	14.5	34.7	45.8	48.2	60.4	40.8	37.4	26.8	20.3
Other medical causes													
2000-0	136.6*	37.4*	125.2*	73.0	52.0	69.4	90.1	142.9	163.7	285.4	431.4	742.5	2060.8
All non-medical causes													
2000-0	55.6*	41.9*	59.0*	67.2	65.0	75.7	41.2	51.4	52.6	60.1	47.4	103.7	297.3

2000-04: Tayside

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	180	30	1	0	29	2	2	10	4	77	55
35-69	Sm.	588	244	191	23	30	96	13	147	-	88	-
	Total	2224 (26%)	985 (25%)	229 (83%)	38 (61%)	718 (4%)	128 (75%)	56 (23%)	553 (27%)	71	343 (26%)	88
70+	Sm.	1906	523	356	76	91	397	106	611	-	269	-
	Total	10174 (19%)	2038 (26%)	404 (88%)	114 (67%)	1520 (6%)	492 (81%)	820 (13%)	4522 (14%)	24	2048 (13%)	230
Any age	Sm.	2494	767	547	99	121	493	119	758	-	357	-
	Total	12578 (20%)	3053 (25%)	634 (86%)	152 (65%)	2267 (5%)	622 (79%)	878 (14%)	5085 (15%)	99	2468 (14%)	373

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; 5 times year 2002)													
2000-0	1007.0	395.8	455.7	74.9	74.1	66.6	67.0	64.2	55.8	53.1	50.8	43.8	60.9
NUMBER OF DEATHS													
All causes													
2000-0	12578	180	2224	59	118	166	240	350	501	790	1251	1845	7078
Lung cancer													
2000-0	634	1	229	2	3	13	34	36	55	86	126	122	156
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	610.4*	46.0*	539.5*	78.8	159.2	249.2	358.2	545.2	897.8	1487.8	2462.6	4212.3	11622.3
All cancer													
2000-0	177.1*	7.4*	238.1*	24.0	60.7	126.1	176.1	269.5	390.7	619.6	907.5	1219.2	1712.6
Lung cancer													
2000-0	38.4*	0.3*	56.2*	2.7	4.0	19.5	50.7	56.1	98.6	162.0	248.0	278.5	256.2
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	7.8*	-	9.6*	-	-	4.5	4.5	6.2	17.9	33.9	39.4	54.8	114.9
Other cancer													
2000-0	130.8*	7.1*	172.3*	21.4	56.7	102.1	120.9	207.2	274.2	423.7	620.1	885.8	1341.5
Chronic obstructive pulmonary disease (COPD)													
2000-0	31.6*	0.5*	32.2*	-	2.7	9.0	11.9	28.0	66.3	107.3	190.9	303.7	430.2
Other respiratory disease													
2000-0	34.2*	0.5*	13.9*	2.7	2.7	6.0	1.5	14.0	25.1	45.2	86.6	184.9	1141.2
Vascular disease													
2000-0	218.9*	2.4*	137.6*	16.0	32.4	24.0	67.2	113.7	225.8	484.0	921.3	1719.2	5420.4
Liver cirrhosis													
2000-0	8.2*	0.9*	16.3*	2.7	6.7	16.5	25.4	18.7	17.9	26.4	17.7	16.0	13.1
Other medical causes													
2000-0	117.1*	20.7*	81.5*	24.0	32.4	46.5	62.7	85.7	136.2	182.7	307.1	691.8	2609.2
All non-medical causes													
2000-0	23.4*	13.7*	19.9*	9.3	21.6	21.0	13.4	15.6	35.8	22.6	31.5	77.6	295.6

Tayside: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.4	– / 0.2	–
35–69	0.9 / 3.3	0.6 / 2.2	22 years
70+	1.6 / 7.3	1.9 / 10	8 years
All ages	2.5 / 11	2.5 / 13	12 years

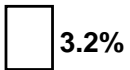
Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	287/319	440/485	727/804	– / 1	191/229	356/404	547/634
All Cancer	– / 31	449/1117 (40%)	690/1915 (36%)	1139/3063	– / 30	244/985 (25%)	523/2038 (26%)	767/3053
Vascular	– / 14	235/1099	363/3167	598/4280	– / 10	147/553	611/4522	758/5085
Respiratory	– / 9	122/226	417/1021	539/1256	– / 4	109/184	503/1312	612/1500
All Other	– / 317	107/904	114/1172	221/2393	– / 136	88/502	269/2302	357/2940
All Causes	– / 371	913/3346 (27%)	1584/7275 (22%)	2497/10992	– / 180	588/2224 (26%)	1906/10174 (19%)	2494/12578

Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	1.1 / 3.1 (37%)	0.8 / 3.1 (25%)	1.9 / 6.1 (31%)
All Causes	2.5 / 11 (23%)	2.5 / 13 (20%)	5.0 / 24 (21%)

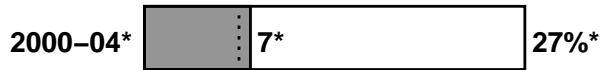
Population risk of dying at ages 0–34



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

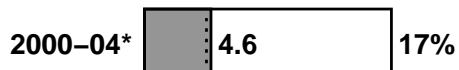
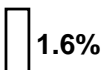
*eg, at years 2000–04 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 7 of these deaths attributed to smoking)

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



Forth valley: 2000-04

		No. of deaths			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	7165	228	2401	908.8	77.2	908.0	122.1	6.8	21.6	46.2	111.6	120.3	111.6
	F	8036	109	1589	636.0	36.6	560.5	96.5	16.7	13.2	20.7	23.4	37.1	48.8
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	2036	21	810	258.2	6.8	316.4	7.6	-	8.7	2.2	7.1	5.3	16.5
	F	2047	10	741	188.9	3.1	262.2	-	2.4	2.2	-	-	7.4	9.4
Mouth and pharynx cancer	M	40	-	20	5.2	-	7.5	-	-	-	-	-	-	-
	F	22	-	6	1.9	-	2.2	-	-	-	-	-	-	-
Oesophagus cancer	M	110	1	53	14.2	0.3	19.5	-	-	-	-	-	-	2.1
	F	85	-	23	7.4	-	8.3	-	-	-	-	-	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	21	-	11	2.7	-	4.2	-	-	-	-	-	-	-
	F	6	-	2	0.5	-	0.7	-	-	-	-	-	-	-
Lung cancer	M	598	1	249	75.8	0.3	98.8	-	-	-	2.2	-	-	-
	F	470	1	188	45.1	0.3	68.7	-	-	-	-	-	-	1.9
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	1267	19	477	160.3	6.2	186.4	7.6	-	8.7	-	7.1	5.3	14.5
	F	1464	9	522	134.0	2.8	182.3	-	2.4	2.2	-	-	7.4	7.5
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	2763	10	784	343.3	3.2	304.7	-	-	-	-	-	8.0	14.5
	F	3182	4	381	227.9	1.2	140.2	2.7	-	2.2	-	-	-	3.8
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	422	3	96	52.0	1.0	39.0	-	-	-	-	-	2.7	4.1
	F	387	-	75	31.3	-	27.5	-	-	-	-	-	-	-
Other respiratory disease	M	435	7	87	53.6	2.4	33.8	2.5	-	-	4.4	2.4	5.3	2.1
	F	571	-	45	38.0	-	15.0	-	-	-	-	-	-	-
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	172	3	145	23.8	1.0	48.9	-	-	-	-	-	2.7	4.1
	F	97	2	77	11.9	0.5	24.0	-	-	-	-	-	-	3.8
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	957	85	289	124.7	29.8	105.6	112.0	2.3	8.7	15.4	23.8	32.1	14.5
	F	1512	70	213	116.9	24.5	73.0	91.2	11.9	8.8	6.9	16.4	17.3	18.8
ALL NON- MEDICAL CAUSES	M	380	99	190	53.3	33.1	59.7	-	4.5	4.3	24.2	78.4	64.2	55.8
	F	240	23	57	21.1	7.3	18.5	2.7	2.4	-	13.8	7.0	12.4	13.1
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)														
			M=male		671.6	302.9	310.3	39.3	44.0	46.2	45.5	42.1	37.4	48.4
			F=female		725.5	304.7	328.0	37.3	42.0	45.5	43.4	42.8	40.4	53.3

2000-04: Forth valley

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			
188.5	239.5	363.2	560.9	907.7	1607.3	2488.7	4329.2	6572.3	13970.2	M	ALL CAUSES	001-999/A00-Y89
82.1	158.6	219.2	337.4	563.2	953.7	1609.2	2819.4	4609.2	11935.6	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
16.6	32.6	100.7	163.9	331.1	621.5	948.2	1539.1	1976.9	2910.7	M	ALL CANCER	140-208/C00-C97
32.5	57.8	87.7	170.7	279.4	457.6	750.0	1064.5	1360.2	1711.5	F		
-	-	4.4	6.3	11.3	14.1	16.2	32.9	34.7	35.7	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	-	-	4.4	2.6	8.6	12.9	15.3	22.4	F		
1.8	3.8	10.9	14.7	29.3	33.9	42.1	86.4	92.5	113.1	M	Oesophagus cancer	150/C15
-	-	-	4.1	15.5	12.9	25.9	51.6	65.1	81.2	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	-	2.2	2.1	6.8	8.5	9.7	16.5	17.3	17.9	M	Larynx cancer	161/C32
-	-	-	-	2.2	-	2.9	3.2	3.8	5.6	F		
-	5.7	24.1	48.3	92.3	220.3	301.0	502.1	641.6	684.5	M	Lung cancer	162/C33, C34
3.4	3.7	10.4	44.7	71.0	100.3	247.1	319.4	310.3	282.9	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
14.8	23.0	59.1	92.4	191.4	344.6	579.3	901.2	1190.8	2059.5	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
29.1	54.1	77.2	122.0	186.3	341.9	465.5	677.4	965.5	1319.3	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F	Leukaemia	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Diabetes	
...	...	...	...	...	...	...	...	...	...	F		
22.2	67.0	91.9	172.3	283.8	553.7	941.7	1749.0	2884.4	6220.2	M	ALL VASCULAR DISEASE	390-459/I00-199
3.4	28.0	48.0	46.7	99.8	249.4	505.7	1029.0	1865.9	5577.0	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
-	1.9	8.8	12.6	33.8	70.6	145.6	292.2	479.8	1006.0	F	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	3.7	4.2	14.2	28.8	41.1	100.6	229.0	291.2	462.2	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
1.8	5.7	2.2	23.1	40.5	59.3	103.6	139.9	381.5	1434.5	F		
1.7	11.2	12.5	18.3	8.9	18.0	34.5	109.7	241.4	1201.7	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
16.6	28.7	50.3	65.1	54.1	79.1	48.5	53.5	23.1	41.7	M	Liver cirrhosis	571/K70, K74
15.4	14.9	27.1	20.3	42.1	28.3	20.1	25.8	26.8	8.4	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	F		
42.5	40.2	41.6	71.4	126.1	158.2	258.9	469.1	716.8	2053.6	M	Other medical causes	Rest of 001-799/ rest of A00-R99
18.8	29.9	25.1	56.9	79.8	133.7	166.7	322.6	708.8	2644.3	F		
88.7	63.2	67.8	52.5	38.3	65.0	42.1	86.4	109.8	303.6	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
10.3	13.1	14.6	10.2	24.4	25.7	31.6	38.7	114.9	330.5	F	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
54.1	52.2	45.7	47.6	44.4	35.4	30.9	24.3	17.3	16.8	M	POPULATION	
58.5	53.6	47.9	49.2	45.1	38.9	34.8	31.0	26.1	35.7	F	(1000s; 5 times year 2002)	

Forth valley: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	228	21	1	1	19	3	7	10	3	85	99
35-69	Sm.	687	339	227	49	63	72	21	185	-	70	-
	Total	2401 (29%)	810 (42%)	249 (91%)	84 (58%)	477 (13%)	96 (75%)	87 (24%)	784 (24%)	145	289 (24%)	190
70+	Sm.	1164	499	323	55	121	250	45	286	-	84	-
	Total	4536 (26%)	1205 (41%)	348 (93%)	86 (64%)	771 (16%)	323 (77%)	341 (13%)	1969 (15%)	24	583 (14%)	91
Any age	Sm.	1851	838	550	104	184	322	66	471	-	154	-
	Total	7165 (26%)	2036 (41%)	598 (92%)	171 (61%)	1267 (15%)	422 (76%)	435 (15%)	2763 (17%)	172	957 (16%)	380

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; 5 times year 2002)													
2000-0	671.6	302.9	310.3	54.1	52.2	45.7	47.6	44.4	35.4	30.9	24.3	17.3	16.8
NUMBER OF DEATHS													
All causes													
2000-0	7165	228	2401	102	125	166	267	403	569	769	1052	1137	2347
Lung cancer													
2000-0	598	1	249	-	3	11	23	41	78	93	122	111	115
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)									
All causes	908.8*	77.2*	908.0*	188.5	239.5	363.2	560.9	907.7	1607.3	2488.7	4329.2	6572.3	13970.2
All cancer	258.2*	6.8*	316.4*	16.6	32.6	100.7	163.9	331.1	621.5	948.2	1539.1	1976.9	2910.7
Lung cancer	75.8*	0.3*	98.8*	-	5.7	24.1	48.3	92.3	220.3	301.0	502.1	641.6	684.5
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	22.1*	0.3*	31.2*	1.8	3.8	17.5	23.1	47.3	56.5	68.0	135.8	144.5	166.7
Other cancer													
2000-0	160.3*	6.2*	186.4*	14.8	23.0	59.1	92.4	191.4	344.6	579.3	901.2	1190.8	2059.5
Chronic obstructive pulmonary disease (COPD)													
2000-0	52.0*	1.0*	39.0*	-	1.9	8.8	12.6	33.8	70.6	145.6	292.2	479.8	1006.0
Other respiratory disease													
2000-0	53.6*	2.4*	33.8*	1.8	5.7	2.2	23.1	40.5	59.3	103.6	139.9	381.5	1434.5
Vascular disease													
2000-0	343.3*	3.2*	304.7*	22.2	67.0	91.9	172.3	283.8	553.7	941.7	1749.0	2884.4	6220.2
Liver cirrhosis													
2000-0	23.8*	1.0*	48.9*	16.6	28.7	50.3	65.1	54.1	79.1	48.5	53.5	23.1	41.7
Other medical causes													
2000-0	124.7*	29.8*	105.6*	42.5	40.2	41.6	71.4	126.1	158.2	258.9	469.1	716.8	2053.6
All non-medical causes													
2000-0	53.3*	33.1*	59.7*	88.7	63.2	67.8	52.5	38.3	65.0	42.1	86.4	109.8	303.6

2000-04: Forth valley

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	109	10	1	0	9	0	0	4	2	70	23
35-69	Sm.	459	207	162	19	26	57	11	121	-	63	-
	Total	1589 (29%)	741 (28%)	188 (86%)	31 (61%)	522 (5%)	75 (76%)	45 (24%)	381 (32%)	77	213 (30%)	57
70+	Sm.	1325	373	253	56	64	258	76	434	-	184	-
	Total	6338 (21%)	1296 (29%)	281 (90%)	82 (68%)	933 (7%)	312 (83%)	526 (14%)	2797 (16%)	18	1229 (15%)	160
Any age	Sm.	1784	580	415	75	90	315	87	555	-	247	-
	Total	8036 (22%)	2047 (28%)	470 (88%)	113 (66%)	1464 (6%)	387 (81%)	571 (15%)	3182 (17%)	97	1512 (16%)	240

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; 5 times year 2002)													
2000-0	725.5	304.7	328.0	58.5	53.6	47.9	49.2	45.1	38.9	34.8	31.0	26.1	35.7
NUMBER OF DEATHS													
All causes													
2000-0	8036	109	1589	48	85	105	166	254	371	560	874	1203	4261
Lung cancer													
2000-0	470	1	188	2	2	5	22	32	39	86	99	81	101
ANNUAL DEATH RATE / 100,000													
All causes													
2000-0	636.0*	36.6*	560.5*	82.1	158.6	219.2	337.4	563.2	953.7	1609.2	2819.4	4609.2	11935.6
All cancer													
2000-0	188.9*	3.1*	262.2*	32.5	57.8	87.7	170.7	279.4	457.6	750.0	1064.5	1360.2	1711.5
Lung cancer													
2000-0	45.1*	0.3*	68.7*	3.4	3.7	10.4	44.7	71.0	100.3	247.1	319.4	310.3	282.9
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	9.8*	-	11.3*	-	-	-	4.1	22.2	15.4	37.4	67.7	84.3	109.2
Other cancer													
2000-0	134.0*	2.8*	182.3*	29.1	54.1	77.2	122.0	186.3	341.9	465.5	677.4	965.5	1319.3
Chronic obstructive pulmonary disease (COPD)													
2000-0	31.3*	-	27.5*	-	3.7	4.2	14.2	28.8	41.1	100.6	229.0	291.2	462.2
Other respiratory disease													
2000-0	38.0*	-	15.0*	1.7	11.2	12.5	18.3	8.9	18.0	34.5	109.7	241.4	1201.7
Vascular disease													
2000-0	227.9*	1.2*	140.2*	3.4	28.0	48.0	46.7	99.8	249.4	505.7	1029.0	1865.9	5577.0
Liver cirrhosis													
2000-0	11.9*	0.5*	24.0*	15.4	14.9	27.1	20.3	42.1	28.3	20.1	25.8	26.8	8.4
Other medical causes													
2000-0	116.9*	24.5*	73.0*	18.8	29.9	25.1	56.9	79.8	133.7	166.7	322.6	708.8	2644.3
All non-medical causes													
2000-0	21.1*	7.3*	18.5*	10.3	13.1	14.6	10.2	24.4	25.7	31.6	38.7	114.9	330.5

(*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)

Forth valley: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	- / 0.2	- / 0.1	-
35–69	0.7 / 2.4	0.5 / 1.6	21 years
70+	1.2 / 4.5	1.3 / 6.3	8 years
All ages	1.9 / 7.2	1.8 / 8.0	12 years

Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

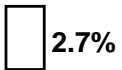
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	- / 1	227/249	323/348	550/598	- / 1	162/188	253/281	415/470
All Cancer	- / 21	339/810 (42%)	499/1205 (41%)	838/2036	- / 10	207/741 (28%)	373/1296 (29%)	580/2047
Vascular	- / 10	185/784	286/1969	471/2763	- / 4	121/381	434/2797	555/3182
Respiratory	- / 10	93/183	295/664	388/857	- / 0	68/120	334/838	402/958
All Other	- / 187	70/624	84/698	154/1509	- / 95	63/347	184/1407	247/1849
All Causes	- / 228	687/2401 (29%)	1164/4536 (26%)	1851/7165	- / 109	459/1589 (29%)	1325/6338 (21%)	1784/8036

Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	0.8 / 2.0 (41%)	0.6 / 2.0 (28%)	1.4 / 4.1 (35%)
All Causes	1.9 / 7.2 (26%)	1.8 / 8.0 (22%)	3.6 / 15 (24%)

2000-04: Forth valley

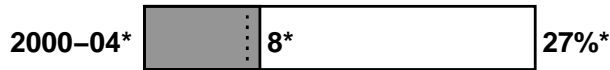
Population risk of dying at ages 0–34



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

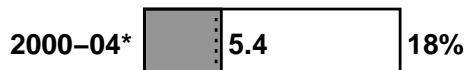
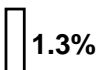
*eg, at years 2000–04 male death rates, out of 100 men aged 35, 27 would die before age 70 (with 8 of these deaths attributed to smoking)

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



Dumfries and Galloway: 2000-04

		No. of deaths			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	4259	117	1196	803.1	89.8	745.3	110.5	-	16.4	76.9	146.5	139.2	139.0
	F	4690	53	886	587.6	41.7	519.6	110.5	14.0	8.8	14.9	83.9	17.8	42.2
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	1292	8	449	240.6	5.5	283.0	16.6	-	8.2	-	-	-	13.5
	F	1162	4	406	169.5	2.7	237.8	-	-	-	-	6.5	-	12.7
Mouth and pharynx cancer	M	26	-	12	5.0	-	7.5	-	-	-	-	-	-	-
	F	14	-	4	1.9	-	2.4	-	-	-	-	-	-	-
Oesophagus cancer	M	67	-	31	12.8	-	19.4	-	-	-	-	-	-	-
	F	54	-	15	7.3	-	8.9	-	-	-	-	-	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	13	-	6	2.4	-	3.8	-	-	-	-	-	-	-
	F	4	-	-	0.4	-	-	-	-	-	-	-	-	-
Lung cancer	M	371	-	136	68.3	-	87.4	-	-	-	-	-	-	-
	F	234	-	84	34.5	-	49.8	-	-	-	-	-	-	-
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	815	8	264	152.0	5.5	165.0	16.6	-	8.2	-	-	-	13.5
	F	856	4	303	125.3	2.7	176.7	-	-	-	-	6.5	-	12.7
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	1661	5	394	299.0	4.3	248.3	-	-	-	-	12.7	12.7	4.5
	F	1870	1	197	206.4	0.9	116.5	-	-	-	-	6.5	-	-
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	251	-	39	43.7	-	25.0	-	-	-	-	-	-	-
	F	266	-	49	33.8	-	29.7	-	-	-	-	-	-	-
Other respiratory disease	M	210	2	29	37.0	1.6	18.0	-	-	4.5	-	-	6.3	-
	F	278	2	19	28.9	1.7	11.4	11.6	-	-	-	-	-	-
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	57	-	48	13.0	-	28.6	-	-	-	-	-	-	-
	F	41	-	34	8.6	-	19.3	-	-	-	-	-	-	-
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	594	46	151	118.8	35.5	92.9	88.4	-	4.1	22.6	38.2	50.6	44.8
	F	926	33	141	116.8	25.7	82.9	81.4	14.0	8.8	10.0	38.7	5.9	21.1
ALL NON- MEDICAL CAUSES	M	194	56	86	51.1	43.0	49.4	5.5	-	4.1	49.8	95.5	69.6	76.2
	F	147	13	40	23.7	10.7	22.0	17.4	-	-	5.0	32.3	11.8	8.4
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		355.9	140.4	173.6	18.1	22.0	24.4	22.1	15.7	15.8	22.3
			F=female		380.5	137.7	182.6	17.2	21.5	22.8	20.1	15.5	16.9	23.7

2000-04: Dumfries and Galloway

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			
130.1	159.7	288.6	452.2	743.2	1477.7	1965.9	3800.0	5713.2	13025.0	M	ALL CAUSES	001-999/A00-Y89
66.7	151.9	214.8	320.9	498.2	950.0	1435.0	2487.7	3947.1	11244.5	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
37.2	15.2	52.8	161.8	307.4	558.0	848.8	1417.6	1837.2	2975.0	M	ALL CANCER	140-208/C00-C97
21.1	74.2	105.5	138.1	232.5	479.2	614.3	871.9	1076.5	1711.8	F		
-	-	4.1	3.7	11.7	13.4	19.5	17.6	38.8	50.0	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	-	-	3.7	8.3	4.5	9.9	17.6	21.8	F		
-	-	8.1	7.4	31.1	40.2	48.8	41.2	93.0	141.7	M	Oesophagus cancer	150/C15
-	-	-	3.7	11.1	25.0	22.4	44.3	52.9	91.7	F		
...	...	...	...	...	...	...	...	...	...	M	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
-	-	-	-	7.8	8.9	9.8	5.9	23.3	25.0	M	Larynx cancer	161/C32
-	-	-	-	-	-	-	4.9	5.9	8.7	F		
7.4	-	12.2	29.4	85.6	169.6	307.3	452.9	620.2	650.0	M	Lung cancer	162/C33, C34
-	3.5	19.5	29.9	48.0	100.0	148.0	197.0	282.4	270.7	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
29.7	15.2	28.5	121.3	171.2	325.9	463.4	900.0	1062.0	2108.3	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
21.1	70.7	85.9	104.5	169.7	345.8	439.5	615.8	717.6	1318.8	F		
...	...	...	...	...	...	...	...	...	...	M	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Leukaemia	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Diabetes	
...	...	...	...	...	...	...	...	...	...	F		
14.9	34.2	97.6	147.1	206.2	535.7	702.4	1511.8	2527.1	5658.3	M	ALL VASCULAR DISEASE	390-459/I00-199
17.5	21.2	27.3	59.7	121.8	200.0	367.7	862.1	1647.1	5314.4	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other vascular disease, incl. venous	
...	...	...	...	...	...	...	...	...	...	F		
-	-	4.1	7.4	23.3	62.5	78.0	294.1	410.9	908.3	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	3.5	3.9	7.5	14.8	70.8	107.6	280.8	323.5	458.5	F		
-	3.8	-	14.7	23.3	40.2	43.9	158.8	217.1	1033.3	M	Other respiratory disease	Rest of 460-519/ rest of J00-J98
3.5	-	-	3.7	11.1	16.7	44.8	59.1	194.1	925.8	F		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
-	19.0	32.5	22.1	42.8	40.2	43.9	23.5	15.5	25.0	M	Liver cirrhosis	571/K70, K74
-	14.1	15.6	22.4	18.5	37.5	26.9	9.9	23.5	4.4	F		
...	...	...	...	...	...	...	...	...	...	M	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	F		
22.3	41.8	52.8	47.8	93.4	187.5	204.9	341.2	658.9	2116.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
10.5	10.6	50.8	67.2	77.5	112.5	251.1	384.2	570.6	2519.7	F		
55.8	45.6	48.8	51.5	46.7	53.6	43.9	52.9	46.5	308.3	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
14.0	28.3	11.7	22.4	22.1	33.3	22.4	19.7	111.8	310.0	F		
...	...	...	...	...	...	...	...	...	...	M	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
26.9	26.3	24.6	27.2	25.7	22.4	20.5	17.0	12.9	12.0	M	POPULATION	
28.5	28.3	25.6	26.8	27.1	24.0	22.3	20.3	17.0	22.9	F	(1000s; 5 times year 2002)	

Dumfries and Galloway: 2000-04

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
2000-0											
0-34											
Sm.	-	-	-	-	-	-	-	-	-	-	-
Total	117	8	0	0	8	0	2	5	0	46	56
35-69											
Sm.	329	180	124	26	30	28	6	83	-	32	-
Total	1196 (28%)	449 (40%)	136 (91%)	49 (53%)	264 (11%)	39 (72%)	29 (21%)	394 (21%)	48	151 (21%)	86
70+											
Sm.	747	336	217	37	82	163	23	173	-	52	-
Total	2946 (25%)	835 (40%)	235 (92%)	57 (65%)	543 (15%)	212 (77%)	179 (13%)	1262 (14%)	9	397 (13%)	52
Any age											
Sm.	1076	516	341	63	112	191	29	256	-	84	-
Total	4259 (25%)	1292 (40%)	371 (92%)	106 (59%)	815 (14%)	251 (76%)	210 (14%)	1661 (15%)	57	594 (14%)	194

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; 5 times year 2002)													
2000-0	355.9	140.4	173.6	26.9	26.3	24.6	27.2	25.7	22.4	20.5	17.0	12.9	12.0
NUMBER OF DEATHS													
All causes													
2000-0	4259	117	1196	35	42	71	123	191	331	403	646	737	1563
Lung cancer													
2000-0	371	-	136	2	-	3	8	22	38	63	77	80	78
ANNUAL DEATH RATE / 100,000													
All causes				(*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)									
2000-0	803.1*	89.8*	745.3*	130.1	159.7	288.6	452.2	743.2	1477.7	1965.9	3800.0	5713.2	13025.0
All cancer													
2000-0	240.6*	5.5*	283.0*	37.2	15.2	52.8	161.8	307.4	558.0	848.8	1417.6	1837.2	2975.0
Lung cancer													
2000-0	68.3*	-	87.4*	7.4	-	12.2	29.4	85.6	169.6	307.3	452.9	620.2	650.0
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	20.3*	-	30.6*	-	-	12.2	11.0	50.6	62.5	78.0	64.7	155.0	216.7
Other cancer													
2000-0	152.0*	5.5*	165.0*	29.7	15.2	28.5	121.3	171.2	325.9	463.4	900.0	1062.0	2108.3
Chronic obstructive pulmonary disease (COPD)													
2000-0	43.7*	-	25.0*	-	-	4.1	7.4	23.3	62.5	78.0	294.1	410.9	908.3
Other respiratory disease													
2000-0	37.0*	1.6*	18.0*	-	3.8	-	14.7	23.3	40.2	43.9	158.8	217.1	1033.3
Vascular disease													
2000-0	299.0*	4.3*	248.3*	14.9	34.2	97.6	147.1	206.2	535.7	702.4	1511.8	2527.1	5658.3
Liver cirrhosis													
2000-0	13.0*	-	28.6*	-	19.0	32.5	22.1	42.8	40.2	43.9	23.5	15.5	25.0
Other medical causes													
2000-0	118.8*	35.5*	92.9*	22.3	41.8	52.8	47.8	93.4	187.5	204.9	341.2	658.9	2116.7
All non-medical causes													
2000-0	51.1*	43.0*	49.4*	55.8	45.6	48.8	51.5	46.7	53.6	43.9	52.9	46.5	308.3

2000-04: Dumfries and Galloway

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	53	4	0	0	4	0	2	1	0	33	13
35-69	Sm.	213	91	69	10	12	37	5	47	-	33	-
	Total	886 (24%)	406 (22%)	84 (82%)	19 (53%)	303 (4%)	49 (76%)	19 (26%)	197 (24%)	34	141 (23%)	40
70+	Sm.	720	195	131	33	31	174	33	219	-	99	-
	Total	3751 (19%)	752 (26%)	150 (87%)	53 (62%)	549 (6%)	217 (80%)	257 (13%)	1672 (13%)	7	752 (13%)	94
Any age	Sm.	933	286	200	43	43	211	38	266	-	132	-
	Total	4690 (20%)	1162 (25%)	234 (85%)	72 (60%)	856 (5%)	266 (79%)	278 (14%)	1870 (14%)	41	926 (14%)	147

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; 5 times year 2002)													
2000-0	380.5	137.7	182.6	28.5	28.3	25.6	26.8	27.1	24.0	22.3	20.3	17.0	22.9
NUMBER OF DEATHS													
All causes													
2000-0	4690	53	886	19	43	55	86	135	228	320	505	671	2575
Lung cancer													
2000-0	234	-	84	-	1	5	8	13	24	33	40	48	62
ANNUAL DEATH RATE / 100,000													
All causes													
2000-0	587.6*	41.7*	519.6*	66.7	151.9	214.8	320.9	498.2	950.0	1435.0	2487.7	3947.1	11244.5
All cancer													
2000-0	169.5*	2.7*	237.8*	21.1	74.2	105.5	138.1	232.5	479.2	614.3	871.9	1076.5	1711.8
Lung cancer													
2000-0	34.5*	-	49.8*	-	3.5	19.5	29.9	48.0	100.0	148.0	197.0	282.4	270.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	9.6*	-	11.2*	-	-	-	3.7	14.8	33.3	26.9	59.1	76.5	122.3
Other cancer													
2000-0	125.3*	2.7*	176.7*	21.1	70.7	85.9	104.5	169.7	345.8	439.5	615.8	717.6	1318.8
Chronic obstructive pulmonary disease (COPD)													
2000-0	33.8*	-	29.7*	-	3.5	3.9	7.5	14.8	70.8	107.6	280.8	323.5	458.5
Other respiratory disease													
2000-0	28.9*	1.7*	11.4*	3.5	-	-	3.7	11.1	16.7	44.8	59.1	194.1	925.8
Vascular disease													
2000-0	206.4*	0.9*	116.5*	17.5	21.2	27.3	59.7	121.8	200.0	367.7	862.1	1647.1	5314.4
Liver cirrhosis													
2000-0	8.6*	-	19.3*	-	14.1	15.6	22.4	18.5	37.5	26.9	9.9	23.5	4.4
Other medical causes													
2000-0	116.8*	25.7*	82.9*	10.5	10.6	50.8	67.2	77.5	112.5	251.1	384.2	570.6	2519.7
All non-medical causes													
2000-0	23.7*	10.7*	22.0*	14.0	28.3	11.7	22.4	22.1	33.3	22.4	19.7	111.8	310.0

(*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)

Dumfries and Galloway: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	– / 0.1	– / 0.1	–
35–69	0.3 / 1.2	0.2 / 0.9	21 years
70+	0.7 / 2.9	0.7 / 3.8	8 years
All ages	1.1 / 4.3	0.9 / 4.7	11 years

Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

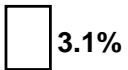
Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	– / 0	124/136	217/235	341/371	– / 0	69/84	131/150	200/234
All Cancer	– / 8	180/449 (40%)	336/835 (40%)	516/1292	– / 4	91/406 (22%)	195/752 (26%)	286/1162
Vascular	– / 5	83/394	173/1262	256/1661	– / 1	47/197	219/1672	266/1870
Respiratory	– / 2	34/68	186/391	220/461	– / 2	42/68	207/474	249/544
All Other	– / 102	32/285	52/458	84/845	– / 46	33/215	99/853	132/1114
All Causes	– / 117	329/1196 (28%)	747/2946 (25%)	1076/4259	– / 53	213/886 (24%)	720/3751 (19%)	933/4690

Cancer deaths, and all deaths, attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	0.5 / 1.3 (40%)	0.3 / 1.2 (25%)	0.8 / 2.5 (33%)
All Causes	1.1 / 4.3 (25%)	0.9 / 4.7 (20%)	2.0 / 8.9 (22%)

2000-04: Dumfries and Galloway

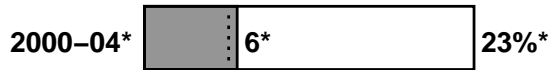
Population risk of dying at ages 0-34



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

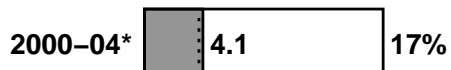
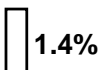
*eg, at years 2000-04 male death rates, out of 100 men aged 35, 23 would die before age 70 (with 6 of these deaths attributed to smoking)

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



Islands: 2000-04

		No. of deaths			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	1980	64	655	922.3	98.0	921.4	69.0	9.5	8.2	104.8	202.5	147.7	144.1
	F	2011	30	305	549.8	50.5	433.1	131.0	-	8.4	21.7	104.5	34.5	53.6
Tuberculosis	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
HIV	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other infective and parasitic	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL CANCER	M	521	4	205	240.7	5.6	292.1	-	-	-	19.0	-	11.4	9.0
	F	459	9	135	154.7	15.2	190.1	11.9	-	-	-	44.8	23.0	26.8
Mouth and pharynx cancer	M	12	-	7	5.7	-	10.1	-	-	-	-	-	-	-
	F	2	-	-	0.4	-	-	-	-	-	-	-	-	-
Oesophagus cancer	M	43	-	24	20.4	-	32.6	-	-	-	-	-	-	-
	F	17	-	4	5.0	-	5.7	-	-	-	-	-	-	-
Stomach cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Colorectal cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pancreas cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Larynx cancer	M	6	-	5	2.9	-	7.2	-	-	-	-	-	-	-
	F	-	-	-	-	-	-	-	-	-	-	-	-	-
Lung cancer	M	139	-	56	63.8	-	82.5	-	-	-	-	-	-	-
	F	64	-	26	23.7	-	37.0	-	-	-	-	-	-	-
Malignant melanoma	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Female breast cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cervix cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other uterine cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ovarian cancer	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Prostate cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Bladder cancer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other and ill-defined cancer sites	M	321	4	113	147.8	5.6	159.7	-	-	-	19.0	-	11.4	9.0
	F	376	9	105	125.7	15.2	147.3	11.9	-	-	-	44.8	23.0	26.8
Hodgkin's disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Myeloma and all lymphomas	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Leukaemia	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Diabetes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
ALL VASCULAR DISEASE	M	788	4	223	355.0	5.2	323.4	-	-	-	9.5	-	-	27.0
	F	837	2	80	205.2	3.4	116.3	23.8	-	-	-	-	-	-
Rheumatic heart disease and fever	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Hypertensive disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Ischaemic heart disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pulmonary embolism and other venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Cerebrovascular disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other vascular disease, incl. venous	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Chronic obstructive pulmonary disease	M	95	-	15	41.7	-	23.5	-	-	-	-	-	-	-
	F	46	-	9	13.7	-	14.5	-	-	-	-	-	-	-
Other respiratory disease	M	111	1	15	49.0	1.6	22.1	11.5	-	-	-	-	-	-
	F	138	-	7	31.0	-	10.3	-	-	-	-	-	-	-
Peptic ulcer	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Liver cirrhosis	M	31	1	23	15.7	1.3	30.1	-	-	-	-	-	-	9.0
	F	12	1	8	5.7	1.3	10.6	-	-	-	-	-	-	8.9
Renal disease	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Pregnancy, birth Congenital and perinatal causes	F	...	...	...	...	...	...	...	...	...	...	...	...	...
	M	...	...	...	...	...	...	...	...	...	...	...	...	...
Ill-defined causes	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Other medical causes	M	310	20	109	149.5	31.7	148.6	57.5	9.5	8.2	38.1	63.3	45.5	-
	F	460	11	57	118.9	18.6	80.1	83.3	-	8.4	-	29.9	-	8.9
ALL NON- MEDICAL CAUSES	M	124	34	65	70.7	52.5	81.7	-	-	-	38.1	139.2	90.9	99.1
	F	59	7	9	20.5	12.0	11.2	11.9	-	-	21.7	29.9	11.5	8.9
Road traffic accidents	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Fire	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Suicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
Homicide	M	...	...	...	...	...	...	...	...	...	...	...	...	...
	F	...	...	...	...	...	...	...	...	...	...	...	...	...
POPULATION: (1000s; 5 times year 2002)			M=male		167.2	69.7	81.3	8.7	10.5	12.2	10.5	7.9	8.8	11.1
			F=female		169.6	66.4	77.8	8.4	10.3	11.9	9.2	6.7	8.7	11.2

2000-04: Islands

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			
146.2	228.3	440.0	603.1	899.2	1683.2	2450.0	3803.0	6612.2	14595.7	M	ALL CAUSES	001-999/A00-Y89
104.8	83.3	159.7	307.7	500.0	690.0	1186.0	1973.7	4000.0	11333.3	F		
...	...	...	...	...	...	...	...	...	...	M	Tuberculosis	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	HIV	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Other infective and parasitic	
...	...	...	...	...	...	...	...	...	...	F		
7.7	47.2	112.0	122.1	327.7	703.0	725.0	1333.3	1653.1	3042.6	M	ALL CANCER	140-208/C00-C97
40.3	33.3	75.6	153.8	232.1	330.0	465.1	710.5	1074.6	1702.7	F		
-	-	-	7.6	8.4	29.7	25.0	45.5	20.4	21.3	M	Mouth and pharynx cancer	140-149/C00-C14
-	-	24.0	22.9	42.0	89.1	50.0	106.1	122.4	127.7	F	Oesophagus cancer	150/C15
-	-	-	8.5	-	20.0	11.6	26.3	14.9	90.1	M		
...	...	...	...	...	...	...	...	...	...	F	Stomach cancer	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Colorectal cancer	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Liver cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Pancreas cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
-	-	-	-	8.4	29.7	12.5	15.2	-	-	F	Larynx cancer	161/C32
-	7.9	24.0	7.6	75.6	237.6	225.0	363.6	489.8	744.7	M	Lung cancer	162/C33, C34
8.1	-	16.8	8.5	35.7	120.0	69.8	144.7	149.3	153.2	F		
...	...	...	...	...	...	...	...	...	...	M	Malignant melanoma	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	F	Female breast cancer	
...	...	...	...	...	...	...	...	...	...	F	Cervix cancer	
...	...	...	...	...	...	...	...	...	...	F	Other uterine cancer	
...	...	...	...	...	...	...	...	...	...	F	Ovarian cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Prostate cancer	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Bladder cancer	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
7.7	39.4	64.0	84.0	193.3	316.8	412.5	803.0	1020.4	2148.9	M	Other and ill-defined cancer sites	Rest of 140-199/ rest of C00-C80, C97
32.3	33.3	58.8	136.8	196.4	190.0	383.7	539.5	910.4	1441.4	F	Hodgkin's disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Myeloma and all lymphomas	
...	...	...	...	...	...	...	...	...	...	M	Leukaemia	
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Diabetes	
...	...	...	...	...	...	...	...	...	...	F		
23.1	47.2	104.0	236.6	302.5	475.2	1075.0	1484.8	3265.3	6446.8	M	ALL VASCULAR DISEASE	390-459/I00-199
8.1	-	16.8	76.9	151.8	200.0	360.5	763.2	1791.0	5198.2	F		
...	...	...	...	...	...	...	...	...	...	M	Rheumatic heart disease and fever	
...	...	...	...	...	...	...	...	...	...	F	Hypertensive disease	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Ischaemic heart disease	
...	...	...	...	...	...	...	...	...	...	M	Pulmonary embolism and other venous	Not given separately
...	...	...	...	...	...	...	...	...	...	F	Cerebrovascular disease	
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Other vascular disease, incl. venous	
-	-	8.0	-	16.8	39.6	100.0	197.0	367.3	1042.6	M	Chronic obstructive pulmonary disease	490-496/ J40-J47, J67
-	-	-	-	-	20.0	81.4	105.3	134.3	180.2	F	Other respiratory disease	Rest of 460-519/ rest of J00-J98
-	-	16.0	7.6	33.6	9.9	87.5	151.5	346.9	1446.8	M		
-	-	8.4	8.5	8.9	-	46.5	131.6	209.0	964.0	F		
...	...	...	...	...	...	...	...	...	...	M	Peptic ulcer	
...	...	...	...	...	...	...	...	...	...	F		
-	-	56.0	22.9	42.0	39.6	50.0	45.5	81.6	-	M	Liver cirrhosis	571/K70, K74
16.1	8.3	-	-	17.9	20.0	11.6	13.2	14.9	9.0	F	Renal disease	Not given separately
...	...	...	...	...	...	...	...	...	...	M		
...	...	...	...	...	...	...	...	...	...	F	Pregnancy, birth	
...	...	...	...	...	...	...	...	...	...	M	Congenital and perinatal causes	
...	...	...	...	...	...	...	...	...	...	F	Ill-defined causes	
...	...	...	...	...	...	...	...	...	...	M		
46.2	63.0	72.0	114.5	117.6	326.7	300.0	484.8	775.5	2361.7	M	Other medical causes	Rest of 001-799/ rest of A00-R99
24.2	25.0	33.6	68.4	80.4	120.0	209.3	197.4	671.6	2991.0	F		
69.2	70.9	72.0	99.2	58.8	89.1	112.5	106.1	122.4	255.3	M	ALL NON-MEDICAL CAUSES	E800-E999/V01-Y89
16.1	16.7	25.2	-	8.9	-	11.6	52.6	104.5	288.3	F	Road traffic accidents	Not given separately
...	...	...	...	...	...	...	...	...	...	M	Fire	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Suicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
...	...	...	...	...	...	...	...	...	...	M	Homicide	Not given separately
...	...	...	...	...	...	...	...	...	...	F		
13.0	12.7	12.5	13.1	11.9	10.1	8.0	6.6	4.9	4.7	M	POPULATION	
12.4	12.0	11.9	11.7	11.2	10.0	8.6	7.6	6.7	11.1	F	(1000s; 5 times year 2002)	

Islands: 2000-04

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	64	4	0	0	4	0	1	4	1	20	34
35-69	Sm.	156	81	49	20	12	11	2	42	-	20	-
	Total	655 (24%)	205 (40%)	56 (88%)	36 (56%)	113 (11%)	15 (73%)	15 (13%)	223 (19%)	23	109 (18%)	65
70+	Sm.	262	114	76	14	24	57	10	61	-	20	-
	Total	1261 (21%)	312 (37%)	83 (92%)	25 (56%)	204 (12%)	80 (71%)	95 (11%)	561 (11%)	7	181 (11%)	25
Any age	Sm.	418	195	125	34	36	68	12	103	-	40	-
	Total	1980 (21%)	521 (37%)	139 (90%)	61 (56%)	321 (11%)	95 (72%)	111 (11%)	788 (13%)	31	310 (13%)	124

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; 5 times year 2002)													
2000-0	167.2	69.7	81.3	13.0	12.7	12.5	13.1	11.9	10.1	8.0	6.6	4.9	4.7
NUMBER OF DEATHS													
All causes													
2000-0	1980	64	655	19	29	55	79	107	170	196	251	324	686
Lung cancer													
2000-0	139	-	56	-	1	3	1	9	24	18	24	24	35
ANNUAL DEATH RATE / 100,000													
All causes													
2000-0	922.3*	98.0*	921.4*	146.2	228.3	440.0	603.1	899.2	1683.2	2450.0	3803.0	6612.2	14595.7
All cancer													
2000-0	240.7*	5.6*	292.1*	7.7	47.2	112.0	122.1	327.7	703.0	725.0	1333.3	1653.1	3042.6
Lung cancer													
2000-0	63.8*	-	82.5*	-	7.9	24.0	7.6	75.6	237.6	225.0	363.6	489.8	744.7
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	29.1*	-	49.9*	-	-	24.0	30.5	58.8	148.5	87.5	166.7	142.9	148.9
Other cancer													
2000-0	147.8*	5.6*	159.7*	7.7	39.4	64.0	84.0	193.3	316.8	412.5	803.0	1020.4	2148.9
Chronic obstructive pulmonary disease (COPD)													
2000-0	41.7*	-	23.5*	-	-	8.0	-	16.8	39.6	100.0	197.0	367.3	1042.6
Other respiratory disease													
2000-0	49.0*	1.6*	22.1*	-	-	16.0	7.6	33.6	9.9	87.5	151.5	346.9	1446.8
Vascular disease													
2000-0	355.0*	5.2*	323.4*	23.1	47.2	104.0	236.6	302.5	475.2	1075.0	1484.8	3265.3	6446.8
Liver cirrhosis													
2000-0	15.7*	1.3*	30.1*	-	-	56.0	22.9	42.0	39.6	50.0	45.5	81.6	-
Other medical causes													
2000-0	149.5*	31.7*	148.6*	46.2	63.0	72.0	114.5	117.6	326.7	300.0	484.8	775.5	2361.7
All non-medical causes													
2000-0	70.7*	52.5*	81.7*	69.2	70.9	72.0	99.2	58.8	89.1	112.5	106.1	122.4	255.3

2000-04: Islands

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
2000-0												
0-34	Sm.	-	-	-	-	-	-	-	-	-	-	-
	Total	30	9	0	0	9	0	0	2	1	11	7
35-69	Sm.	51	23	20	1	2	6	0	14	-	8	-
	Total	305 (17%)	135 (17%)	26 (77%)	4 (25%)	105 (2%)	9 (67%)	7 (0%)	80 (18%)	8	57 (14%)	9
70+	Sm.	154	44	30	6	8	26	9	50	-	25	-
	Total	1676 (9%)	315 (14%)	38 (79%)	15 (40%)	262 (3%)	37 (70%)	131 (7%)	755 (7%)	3	392 (6%)	43
Any age	Sm.	205	67	50	7	10	32	9	64	-	33	-
	Total	2011 (10%)	459 (15%)	64 (78%)	19 (37%)	376 (3%)	46 (70%)	138 (7%)	837 (8%)	12	460 (7%)	59

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; 5 times year 2002)													
2000-0	169.6	66.4	77.8	12.4	12.0	11.9	11.7	11.2	10.0	8.6	7.6	6.7	11.1
NUMBER OF DEATHS													
All causes													
2000-0	2011	30	305	13	10	19	36	56	69	102	150	268	1258
Lung cancer													
2000-0	64	-	26	1	-	2	1	4	12	6	11	10	17
ANNUAL DEATH RATE / 100,000													
All causes													
2000-0	549.8*	50.5*	433.1*	104.8	83.3	159.7	307.7	500.0	690.0	1186.0	1973.7	4000.0	11333.3
All cancer													
2000-0	154.7*	15.2*	190.1*	40.3	33.3	75.6	153.8	232.1	330.0	465.1	710.5	1074.6	1702.7
Lung cancer													
2000-0	23.7*	-	37.0*	8.1	-	16.8	8.5	35.7	120.0	69.8	144.7	149.3	153.2
Upper aerodigestive cancer (mouth, oesophagus, pharynx and larynx)													
2000-0	5.3*	-	5.7*	-	-	-	8.5	-	20.0	11.6	26.3	14.9	108.1
Other cancer													
2000-0	125.7*	15.2*	147.3*	32.3	33.3	58.8	136.8	196.4	190.0	383.7	539.5	910.4	1441.4
Chronic obstructive pulmonary disease (COPD)													
2000-0	13.7*	-	14.5*	-	-	-	-	-	20.0	81.4	105.3	134.3	180.2
Other respiratory disease													
2000-0	31.0*	-	10.3*	-	-	8.4	8.5	8.9	-	46.5	131.6	209.0	964.0
Vascular disease													
2000-0	205.2*	3.4*	116.3*	8.1	-	16.8	76.9	151.8	200.0	360.5	763.2	1791.0	5198.2
Liver cirrhosis													
2000-0	5.7*	1.3*	10.6*	16.1	8.3	-	-	17.9	20.0	11.6	13.2	14.9	9.0
Other medical causes													
2000-0	118.9*	18.6*	80.1*	24.2	25.0	33.6	68.4	80.4	120.0	209.3	197.4	671.6	2991.0
All non-medical causes													
2000-0	20.5*	12.0*	11.2*	16.1	16.7	25.2	-	8.9	-	11.6	52.6	104.5	288.3

Islands: 2000-04

Relative importance of deaths in MIDDLE age (35–69) in the years 2000–04

Age range (years)	Deaths attributed to SMOKING /total deaths (thousands)		Mean years lost PER DEATH FROM SMOKING
	Male	Female	
0–34	- / 0.1	- / 0.0	-
35–69	0.2 / 0.7	0.1 / 0.3	20 years
70+	0.3 / 1.3	0.2 / 1.7	7 years
All ages	0.4 / 2.0	0.2 / 2.0	12 years

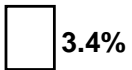
Deaths, by cause, attributed to SMOKING / total deaths in the years 2000–04

Cause	Male (by age)				Female (by age)			
	0–34	35–69	70+	All	0–34	35–69	70+	All
Lung Cancer	- / 0	49/56	76/83	125/139	- / 0	20/26	30/38	50/64
All Cancer	- / 4	81/205 (40%)	114/312 (37%)	195/521	- / 9	23/135 (17%)	44/315 (14%)	67/459
Vascular	- / 4	42/223	61/561	103/788	- / 2	14/80	50/755	64/837
Respiratory	- / 1	13/30	67/175	80/206	- / 0	6/16	35/168	41/184
All Other	- / 55	20/197	20/213	40/465	- / 19	8/74	25/438	33/531
All Causes	- / 64	156/655 (24%)	262/1261 (21%)	418/1980	- / 30	51/305 (17%)	154/1676 (9%)	205/2011

Cancer deaths, and all deaths,
attributed to SMOKING / total deaths (thousands) in the years 2000–04

Cause	Male	Female	Male + Female
All Cancer	0.2 / 0.5 (37%)	0.1 / 0.5 (15%)	0.3 / 1.0 (27%)
All Causes	0.4 / 2.0 (21%)	0.2 / 2.0 (10%)	0.6 / 4.0 (16%)

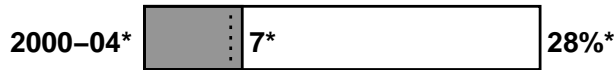
Population risk of dying at ages 0–34



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

*eg, at years 2000–04 male death rates, out of 100 men aged 35, 28 would die before age 70 (with 7 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

