

Table 3.6a Age-standardised rates† (per million) for 1969-93 for Scottish wards, subdivided into groups using quintiles of Carstairs index of socio-economic status

Diagnostic group	Group										p #	p ‡
	1		2		3		4		5			
	No	ASR	No	ASR	No	ASR	No	ASR	No	ASR		
1 Leukaemias	177	42.4	166	45.9	148	36.8	234	35.9	301	33.2	**	***
Lymphoid & unspecified leukaemia	150	36.0	137	38.0	122	30.4	193	29.7	238	26.4	**	***
2 Lymphomas & reticuloendothelial neoplasms	70	15.8	44	11.8	41	9.8	76	11.2	101	10.7	-	*
Hodgkin's disease	31	6.9	15	4.0	17	4.0	39	5.7	44	4.6	-	-
Non-Hodgkin lymphoma	35	8.0	22	5.9	21	5.1	31	4.7	51	5.4	-	-
3 CNS & misc. intracranial & intraspinal neoplasms	120	28.0	105	28.6	121	29.7	174	26.3	206	22.3	-	*
Astrocytoma	45	10.6	49	13.3	45	11.0	69	10.5	90	9.7	-	-
Primitive neuroectodermal tumours (PNET)	31	7.2	22	6.0	33	8.1	45	6.9	53	5.8	-	-
4 Sympathetic nervous system tumours	44	10.6	29	8.2	29	7.4	56	8.8	58	6.5	-	*
5 Retinoblastoma	16	4.0	12	3.4	19	4.9	27	4.3	32	3.7	-	-
Retinoblastoma – unilateral	8	2.0	4	1.1	9	2.3	18	2.8	21	2.4	-	-
Retinoblastoma – bilateral	7	1.7	8	2.3	9	2.3	9	1.4	10	1.1	-	-
6 Renal tumours	25	6.1	23	6.5	17	4.3	47	7.4	67	7.5	-	-
7 Hepatic tumours	3	0.7	4	1.2	5	1.3	3	0.5	8	0.9	-	-
8 Malignant bone tumours	21	4.7	10	2.6	23	5.4	36	5.3	44	4.6	-	-
Osteosarcoma	9	2.0	4	1.0	11	2.6	24	3.5	21	2.2	-	-
Ewing's sarcoma	11	2.4	4	1.0	10	2.4	11	1.6	20	2.1	-	-
9 Soft tissue sarcomas	33	7.7	23	6.2	29	7.1	46	7.0	61	6.6	-	-
10 Germ cell, trophoblastic & other gonadal neoplasms	13	3.0	12	3.2	18	4.3	14	2.1	35	3.8	-	-
11 Carcinoma & other malignant epithelial neoplasms	14	3.1	11	2.9	10	2.4	20	2.9	27	2.9	-	-
12 Other & unspecified malignant neoplasms	2	0.5	0	0.0	2	0.5	4	0.6	5	0.5	-	-
All cancer	538	126.4	439	120.5	462	114.0	737	112.2	945	103.1	**	***
All cancer minus leukaemia	361	84.0	273	74.5	314	77.2	503	76.3	644	69.9	-	*

† Age Standardised Rate. This is the rate for ages 0-14 years standardised according to a uniform age distribution, (i.e. the rate obtained by averaging the age-specific rates weighted as though there were equal numbers of children in each five year age group)

\* p<0.05  
 \*\* p<0.01  
 \*\*\* p<0.001  
 - non-significant

# Significance test for group differences in crude incidence rates

‡ Significance test for trend in crude incidence rates

Table 3.6b Age-standardised rates† (per million) for 1969-93 for Scottish wards, subdivided into groups using quintiles of degree of overcrowding

Diagnostic group	Group										p #	p ‡
	1		2		3		4		5			
	No	ASR	No	ASR	No	ASR	No	ASR	No	ASR		
	Least overcrowded								Most overcrowded			
1 Leukaemias	132	39.6	190	47.5	171	39.0	224	36.0	309	32.7	**	***
Lymphoid & unspecified leukaemia	109	32.8	163	40.8	136	31.1	184	29.6	248	26.4	***	***
2 Lymphomas & reticuloendothelial neoplasms	46	13.0	57	13.7	55	12.2	87	13.4	87	8.8	*	*
Hodgkin's disease	19	5.3	24	5.7	25	5.5	40	6.1	38	3.8	-	-
Non-Hodgkin lymphoma	25	7.1	25	6.1	26	5.8	41	6.4	43	4.4	-	-
3 CNS & misc. intracranial & intraspinal neoplasms	91	26.6	129	31.8	118	26.6	172	27.1	216	22.5	*	*
Astrocytoma	41	12.1	54	13.2	46	10.4	66	10.4	91	9.4	-	-
Primitive neuroectodermal tumours (PNET)	23	6.7	34	8.4	21	4.8	44	6.9	62	6.5	-	-
4 Sympathetic nervous system tumours	33	9.9	32	8.1	36	8.4	52	8.6	63	6.8	-	-
5 Retinoblastoma	16	5.0	12	3.1	17	4.0	32	5.3	29	3.2	-	-
Retinoblastoma – unilateral	6	1.8	6	1.5	10	2.4	18	3.0	20	2.2	-	-
Retinoblastoma – bilateral	10	3.1	4	1.0	7	1.6	13	2.2	9	1.0	-	-
6 Renal tumours	23	7.1	24	6.1	21	4.9	40	6.5	71	7.7	-	-
7 Hepatic tumours	2	0.6	5	1.3	3	0.7	7	1.1	6	0.7	-	-
8 Malignant bone tumours	11	3.1	26	6.2	18	4.0	27	4.1	52	5.2	-	-
Osteosarcoma	5	1.4	11	2.6	13	2.9	12	1.8	28	2.8	-	-
Ewing's sarcoma	6	1.7	12	2.9	4	0.9	13	2.0	21	2.1	-	-
9 Soft tissue sarcomas	25	7.2	33	8.1	32	7.3	42	6.6	60	6.3	-	-
10 Germ cell, trophoblastic & other gonadal neoplasms	11	3.1	17	4.2	12	2.7	17	2.7	35	3.6	-	-
11 Carcinoma & other malignant epithelial neoplasms	13	3.5	11	2.6	11	2.4	18	2.7	29	3.0	-	-
12 Other & unspecified malignant neoplasms	2	0.6	2	0.5	1	0.2	2	0.3	6	0.6	-	-
All cancer	405	119.3	538	133	495	112.4	720	114.2	963	101.0	***	***
All cancer minus leukaemia	273	79.7	348	85.5	324	73.4	496	78.3	654	68.3	**	**

† Age Standardised Rate. This is the rate for ages 0-14 years standardised according to a uniform age distribution, (i.e. the rate obtained by averaging the age-specific rates weighted as though there were equal numbers of children in each five year age group)

\* p<0.05  
 \*\* p<0.01  
 \*\*\* p<0.001  
 - non-significant

# Significance test for group differences in crude incidence rates

‡ Significance test for trend in crude incidence rates

Table 3.6c Age-standardised rates† (per million) for 1969-93 for Scottish wards, subdivided into groups using quintiles of population density

Diagnostic group	Group										p #	p ‡
	1		2		3		4		5			
	No	ASR	No	ASR	No	ASR	No	ASR	No	ASR		
	Highest density								Lowest density			
1 Leukaemias	348	35.5	281	35.3	192	36.9	148	46.9	57	45.0	*	**
Lymphoid & unspecified leukaemia	275	28.3	234	29.5	167	32.1	117	37.2	47	37.1	-	**
2 Lymphomas & reticuloendothelial neoplasms	106	10.4	114	13.6	48	8.9	43	13.1	21	15.6	*	-
Hodgkin's disease	42	4.1	55	6.5	22	4.0	17	5.1	10	7.1	-	-
Non-Hodgkin lymphoma	54	5.3	55	6.6	21	3.9	21	6.4	9	6.8	-	-
3 CNS & misc. intracranial & intraspinal neoplasms	239	24.0	208	25.5	148	27.9	91	28.6	40	30.7	-	*
Astrocytoma	103	10.3	86	10.5	53	10.0	36	11.2	20	15.2	-	-
Primitive neuroectodermal tumours (PNET)	62	6.3	50	6.2	40	7.6	25	7.9	7	5.3	-	-
4 Sympathetic nervous system tumours	76	7.9	58	7.4	48	9.4	23	7.4	11	8.7	-	-
5 Retinoblastoma	37	3.9	38	4.9	13	2.6	16	5.2	2	1.7	-	-
Retinoblastoma – unilateral	19	2.0	19	2.5	9	1.8	12	3.9	1	0.8	-	-
Retinoblastoma – bilateral	16	1.7	18	2.4	4	0.8	4	1.3	1	0.8	-	-
6 Renal tumours	68	7.1	61	7.8	24	4.7	20	6.4	6	5.0	-	-
7 Hepatic tumours	9	0.9	6	0.8	3	0.6	4	1.3	1	0.8	-	-
8 Malignant bone tumours	54	5.2	34	4.0	31	5.7	11	3.2	4	2.9	-	-
Osteosarcoma	26	2.5	20	2.4	16	2.9	5	1.5	2	1.5	-	-
Ewing's sarcoma	24	2.3	12	1.4	14	2.6	4	1.2	2	1.4	-	-
9 Soft tissue sarcomas	77	7.8	52	6.4	31	5.9	24	7.5	8	5.8	-	-
10 Germ cell, trophoblastic & other gonadal neoplasms	31	3.1	39	4.8	9	1.7	9	2.8	4	3.1	*	-
11 Carcinoma & other malignant epithelial neoplasms	30	2.9	24	2.9	13	2.4	12	3.6	3	2.1	-	-
12 Other & unspecified malignant neoplasms	4	0.4	4	0.5	4	0.8	1	0.3	0	0.0	-	-
All cancer	1079	109.2	919	113.9	564	107.3	402	126.4	157	121.4	-	-
All cancer minus leukaemia	731	73.7	638	78.6	372	70.4	254	79.4	100	76.3	-	-

† Age Standardised Rate. This is the rate for ages 0-14 years standardised according to a uniform age distribution, (i.e. the rate obtained by averaging the age-specific rates weighted as though there were equal numbers of children in each five year age group)

\* p<0.05  
 \*\* p<0.01  
 \*\*\* p<0.001  
 - non-significant

# Significance test for group differences in crude incidence rates

‡ Significance test for trend in crude incidence rates

Table 3.6d Age-standardised rates† (per million) for 1969-93 for Scottish wards, grouped according to urban/rural classification

Diagnostic group	Classification										p #	p ‡
	1		2		3		4		5			
	No	ASR	No	ASR	No	ASR	No	ASR	No	ASR		
	Most urbanised								Most rural			
1 Leukaemias	221	33.2	181	35.4	295	36.8	238	41.0	91	50.2	*	***
Lymphoid & unspecified leukaemia	183	27.6	143	28.1	236	29.6	204	35.1	74	41.0	*	***
2 Lymphomas & reticuloendothelial neoplasms	72	10.4	67	12.5	95	11.3	72	11.9	26	13.7	-	-
Hodgkin's disease	28	4.0	23	4.3	54	6.4	28	4.5	13	6.7	-	-
Non-Hodgkin lymphoma	39	5.6	37	6.9	37	4.5	37	6.2	10	5.3	-	-
3 CNS & misc. intracranial & intraspinal neoplasms	156	22.9	152	29.3	199	24.5	170	28.7	49	27.0	-	-
Astrocytoma	70	10.2	68	13.1	75	9.2	62	10.4	23	12.5	-	-
Primitive neuroectodermal tumours (PNET)	37	5.4	45	8.7	45	5.6	46	7.8	11	6.1	-	-
4 Sympathetic nervous system tumours	52	8.0	47	9.3	58	7.4	44	7.8	15	8.2	-	-
5 Retinoblastoma	22	3.4	15	3.0	43	5.5	21	3.8	5	2.9	-	-
Retinoblastoma – unilateral	11	1.7	8	1.6	22	2.8	15	2.7	4	2.3	-	-
Retinoblastoma – bilateral	10	1.6	6	1.2	20	2.6	6	1.1	1	0.6	-	-
6 Renal tumours	48	7.3	41	8.2	48	6.1	33	5.8	9	5.1	-	-
7 Hepatic tumours	5	0.8	3	0.6	8	1.0	6	1.0	1	0.6	-	-
8 Malignant bone tumours	29	4.1	27	5.0	44	5.2	30	4.8	4	2.0	-	-
Osteosarcoma	16	2.2	15	2.8	19	2.2	18	2.9	1	0.5	-	-
Ewing's sarcoma	11	1.6	10	1.9	23	2.8	10	1.6	2	1.0	-	-
9 Soft tissue sarcomas	48	7.1	44	8.5	48	5.9	39	6.6	13	6.8	-	-
10 Germ cell, trophoblastic & other gonadal neoplasms	26	3.8	14	2.6	33	4.1	14	2.4	5	2.7	-	-
11 Carcinoma & other malignant epithelial neoplasms	19	2.7	17	3.2	24	2.9	18	2.9	4	2.0	-	-
12 Other & unspecified malignant neoplasms	4	0.6	2	0.4	3	0.4	4	0.7	0	0.0	-	-
All cancer	702	104.4	610	117.9	898	111.2	689	117.4	222	121.1	-	*
All cancer minus leukaemia	481	71.1	429	82.6	603	74.3	451	76.4	131	70.9	-	-

† Age Standardised Rate. This is the rate for ages 0-14 years standardised according to a uniform age distribution, (i.e. the rate obtained by averaging the age-specific rates weighted as though there were equal numbers of children in each five year age group)

\* p<0.05  
 \*\* p<0.01  
 \*\*\* p<0.001  
 - non-significant

# Significance test for group differences in crude incidence rates

‡ Significance test for trend in crude incidence rates