

**Selected tables standardised  
to Segi population**

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**Table 4.2S: Selected causes of death, all-ages, 2000–2004 (Segi Standard)**

Cause of death	Māori		Non-Māori		Rate ratio (95% CI)
	Number	Rate	Number	Rate	
<b>Circulatory system diseases</b>	<b>4,316</b>	<b>260.6</b>	<b>51,805</b>	<b>131.9</b>	<b>1.98 (1.91 – 2.04)</b>
Ischaemic heart disease	2,449	149.7	28,688	75.9	1.97 (1.89 – 2.06)
Stroke	685	41.8	13,092	30.4	1.37 (1.27 – 1.49)
Chronic rheumatic heart disease	186	9.2	545	1.5	6.21 (5.20 – 7.41)
<b>Cancer</b>	<b>3,640</b>	<b>207.2</b>	<b>36,372</b>	<b>121.1</b>	<b>1.71 (1.65 – 1.77)</b>
Lung	1,127	66.5	6,206	21.3	3.13 (2.93 – 3.34)
Breast: female	344	31.8	2,806	19.2	1.66 (1.47 – 1.86)
Colorectal	254	14.8	5,481	17.8	0.83 (0.73 – 0.95)
Stomach	213	11.7	1,316	4.3	2.70 (2.32 – 3.15)
<b>Endocrine, nutritional, metabolic</b>	<b>1,082</b>	<b>63.1</b>	<b>4,069</b>	<b>12.4</b>	<b>5.07 (4.73 – 5.45)</b>
Diabetes (type 2)	825	50.8	2,738	7.6	6.64 (6.11 – 7.20)
Diabetes (type 1)	80	4.2	436	1.5	2.83 (2.21 – 3.63)
Obesity	105	4.5	206	0.9	5.02 (3.93 – 6.41)
<b>Respiratory diseases</b>	<b>1,037</b>	<b>64.0</b>	<b>10,658</b>	<b>28.4</b>	<b>2.25 (2.11 – 2.41)</b>
COPD	759	48.3	7,453	20.5	2.36 (2.18 – 2.55)
Pneumonia	98	6.5	1,940	4.3	1.50 (1.19 – 1.90)
Asthma	79	3.6	286	0.9	3.92 (2.98 – 5.15)
Bronchiectasis	64	3.6	193	0.6	6.39 (4.70 – 8.69)
<b>Accidents</b>	<b>1,030</b>	<b>39.0</b>	<b>4,521</b>	<b>20.6</b>	<b>1.89 (1.75 – 2.03)</b>
Transport	642	23.3	2,166	12.1	1.93 (1.76 – 2.11)
Drowning	83	2.8	215	1.3	2.11 (1.62 – 2.75)
Falls	82	4.7	1,453	3.8	1.24 (0.96 – 1.60)
Poisoning	56	1.8	142	0.8	2.30 (1.68 – 3.15)
Suffocation in bed	39	1.2	30	0.3	3.83 (2.36 – 6.21)
<b>Suicide</b>	<b>437</b>	<b>14.6</b>	<b>2,004</b>	<b>10.7</b>	<b>1.37 (1.23 – 1.52)</b>
<b>Digestive system diseases</b>	<b>235</b>	<b>14.9</b>	<b>3,568</b>	<b>9.6</b>	<b>1.56 (1.35 – 1.79)</b>
<b>Perinatal conditions</b>	<b>224</b>	<b>7.1</b>	<b>517</b>	<b>6.0</b>	<b>1.19 (1.01 – 1.39)</b>
Premature birth	103	3.3	151	1.8	1.87 (1.46 – 2.40)
<b>Unknown causes</b>	<b>221</b>	<b>7.6</b>	<b>328</b>	<b>1.7</b>	<b>4.51 (3.69 – 5.50)</b>
SIDS	166	5.3	77	0.9	5.94 (4.53 – 7.79)
<b>Nervous system diseases</b>	<b>183</b>	<b>8.9</b>	<b>4,290</b>	<b>12.4</b>	<b>0.72 (0.61 – 0.85)</b>
Epilepsy	42	1.6	250	1.3	1.23 (0.87 – 1.73)
Alzheimer's disease	38	2.8	1,875	3.8	0.74 (0.52 – 1.03)
<b>Genitourinary system diseases</b>	<b>174</b>	<b>11.4</b>	<b>1,685</b>	<b>4.2</b>	<b>2.75 (2.32 – 3.26)</b>
Renal failure	101	7.4	1,035	2.5	3.02 (2.42 – 3.77)
<b>Congenital anomalies</b>	<b>161</b>	<b>5.3</b>	<b>761</b>	<b>6.0</b>	<b>0.89 (0.75 – 1.06)</b>
<b>Certain infectious diseases</b>	<b>137</b>	<b>6.4</b>	<b>665</b>	<b>2.6</b>	<b>2.42 (1.98 – 2.95)</b>
Tuberculosis	29	1.8	80	0.2	7.31 (4.67 – 11.46)
Meningococcal infection	23	0.7	53	0.4	1.66 (1.01 – 2.73)
<b>Homicide</b>	<b>109</b>	<b>3.7</b>	<b>175</b>	<b>1.1</b>	<b>3.54 (2.76 – 4.54)</b>
<b>Mental disorders</b>	<b>103</b>	<b>6.8</b>	<b>3,434</b>	<b>7.4</b>	<b>0.93 (0.74 – 1.15)</b>
Vascular dementia	53	4.5	3,099	6.1	0.74 (0.55 – 0.98)
Psychoactive substance use	38	1.7	177	0.8	2.13 (1.46 – 3.09)

Note: Rates are calculated per 100,000 and were age-sex-standardised to the Segi population. Rates for female breast cancer are sex-specific.

**Table 5.3S: Public hospitalisations by major cause of admission (ICD-10 chapter), 2003–2005 (Segi Standard)**

ICD chapter	Māori		Non-Māori		Rate ratio (95% CI)
	Number	Rate	Number	Rate	
All public hospital discharges	443,800	26,869.0	2,068,301	19,003.0	1.41 (1.40 – 1.42)
Factors influencing health status	94,974	6,226.7	293,773	3,489.4	1.78 (1.76 – 1.81)
Pregnancy, childbirth and puerperium*	60,832	6,130.5	213,596	4,207.6	1.46 (1.44 – 1.48)
Injury and poisoning	43,091	2,370.6	206,887	1,871.2	1.27 (1.25 – 1.28)
Respiratory disease	42,182	2,562.3	138,034	1,423.3	1.80 (1.77 – 1.83)
Digestive system disease	29,428	1,774.0	173,892	1,450.6	1.22 (1.20 – 1.24)
Symptoms and signs	24,723	1,554.1	157,645	1,289.9	1.20 (1.19 – 1.22)
Circulatory system disease	22,326	1,757.8	183,516	1,038.7	1.69 (1.67 – 1.72)
Genitourinary system disease	17,940	1,047.9	97,348	807.9	1.30 (1.27 – 1.32)
Cancers	14,209	998.9	148,405	953.4	1.05 (1.03 – 1.07)
Skin diseases	12,445	713.2	47,132	420.8	1.69 (1.65 – 1.74)
Mental and behavioural disorders	12,376	685.0	49,373	393.4	1.74 (1.70 – 1.78)
Musculoskeletal diseases	11,874	770.0	88,137	649.0	1.19 (1.16 – 1.21)
Infectious and parasitic diseases	11,430	629.1	48,370	613.4	1.03 (1.00 – 1.05)
Perinatal conditions	10,432	544.9	44,278	862.9	0.63 (0.61 – 0.65)
Ear diseases	9,463	471.5	23,367	335.3	1.41 (1.36 – 1.45)
Nervous system diseases	7,158	435.7	44,408	355.4	1.23 (1.19 – 1.26)
Endocrine, nutritional and metabolic	7,007	516.6	31,030	228.7	2.26 (2.19 – 2.33)
Congenital anomalies	4,690	239.0	18,660	313.5	0.76 (0.73 – 0.79)
Diseases of the eye	3,867	290.9	34,896	219.7	1.32 (1.27 – 1.38)
Diseases of the blood	3,269	211.3	25,251	179.8	1.18 (1.13 – 1.23)

Note: Rates are calculated per 100,000 and were age-sex-standardised to the Segi population;\* rates are sex-specific.

**Table 5.4S: Public hospitalisations, selected causes of admission, by gender, 2003–2005 (Segi Standard)**

Cause of admission	Females					Males				
	Māori		Non-Māori		Rate ratio (95% CI)	Māori		Non-Māori		Rate ratio (95% CI)
	No.	Rate	No.	Rate		No.	Rate	No.	Rate	
<b>Respiratory disease</b>										
Asthma	4,408	478.1	9,120	225.1	2.12 (2.03–2.23)	4,052	417.8	7,933	233.9	1.79 (1.70–1.88)
Pneumonia	3,397	428.5	13,517	223.5	1.92 (1.83–2.01)	3,537	482.1	15,123	274.7	1.75 (1.67–1.84)
COPD	3,167	508.3	12,413	123.8	4.11 (3.92–4.30)	2,164	412.9	13,378	147.4	2.80 (2.66–2.95)
Bronchitis, bronchiolitis	2,867	312.5	3,416	118.1	2.65 (2.44–2.87)	4,040	415.2	4,979	180.4	2.30 (2.15–2.47)
Acute URTI	2,649	279.0	7,774	235.0	1.19 (1.12–1.25)	2,959	302.4	8,712	275.6	1.10 (1.04–1.16)
Tonsils and adenoids	1,003	96.3	5,242	149.1	0.65 (0.60–0.69)	835	77.2	4,070	121.1	0.64 (0.59–0.69)
Bronchiectasis	431	56.1	1,146	16.8	3.34 (2.90–3.85)	380	49.5	577	10.5	4.71 (3.93–5.65)
<b>Circulatory system</b>										
Ischaemic heart disease	3,048	477.9	27,143	255.1	1.87 (1.80–1.95)	3,822	647.2	45,194	569.2	1.14 (1.10–1.18)
Heart failure	1,523	246.6	8,635	60.4	4.08 (3.83–4.35)	2,154	389.0	8,919	94.5	4.12 (3.89–4.35)
Stroke	1,337	199.6	11,294	97.2	2.05 (1.93–2.19)	1,030	185.8	10,933	126.0	1.47 (1.37–1.58)
Chronic rheumatic heart disease	301	37.4	585	7.8	4.78 (3.98–5.72)	195	26.2	419	6.2	4.19 (3.36–5.21)
Hypertensive disease	272	34.3	1,299	14.3	2.40 (2.06–2.79)	182	25.3	801	11.5	2.20 (1.84–2.64)
Acute rheumatic fever	114	10.7	137	3.6	2.94 (2.09–4.14)	205	17.8	148	3.7	4.80 (3.36–6.86)
<b>Cancers</b>										
Breast: female*	959	128.9	6,203	79.3	1.63 (1.51–1.75)					
Lung	718	114.9	2,470	29.4	3.91 (3.56–4.31)	597	109.9	3,790	45.9	2.39 (2.18–2.63)
Prostate						297	62.3	4,513	50.6	1.23 (1.08–1.40)
Cervix	214	25.4	834	11.7	2.17 (1.83–2.57)					
Colorectal	216	33.2	5,233	52.6	0.63 (0.55–0.73)	300	55.5	5,243	61.8	0.90 (0.79–1.02)
Stomach	181	26.3	602	5.7	4.65 (3.78–5.72)	247	42.1	952	11.2	3.77 (3.21–4.44)
<b>Infectious diseases</b>										
Intestinal infection	1,645	178.3	7,613	218.0	0.82 (0.77–0.87)	1,778	186.5	7,616	226.6	0.82 (0.77–0.88)
Meningococcal	144	14.6	401	11.4	1.28 (1.02–1.60)	221	21.9	445	12.9	1.70 (1.39–2.09)
Viral hepatitis	127	13.5	648	10.7	1.25 (1.02–1.54)	266	31.5	1,267	20.9	1.51 (1.30–1.74)
<b>Skin infections</b>	4,204	469.3	12,930	225.9	2.08 (1.99–2.17)	5,197	597.1	16,888	327.8	1.82 (1.75–1.89)
<b>Middle ear, mastoid</b>	3,767	378.9	7,676	253.1	1.50 (1.43–1.57)	4,853	465.5	10,174	328.7	1.42 (1.35–1.48)
<b>Digestive system</b>										
Dental caries	2,775	281.3	5,591	170.2	1.65 (1.56–1.75)	2,839	275.0	6,214	180.8	1.52 (1.44–1.61)
Gastric ulcers	1,100	146.3	5,680	74.3	1.97 (1.83–2.12)	1,219	182.4	5,942	87.2	2.09 (1.95–2.24)
<b>Mental disorders</b>										
Mood disorders	1,796	201.3	9,671	147.0	1.37 (1.30–1.45)	1,171	135.8	5,452	89.6	1.52 (1.41–1.63)
Schizophrenia	1,650	171.3	2,597	41.8	4.10 (3.78–4.45)	3,192	351.3	5,011	91.5	3.85 (3.62–4.07)
<b>Diabetes mellitus</b>										
IDDM (type 1)	523	53.3	2,655	56.5	0.94 (0.85–1.05)	340	38.2	2,476	50.0	0.76 (0.67–0.87)
NIDDM (type 2)	1,743	275.3	6,145	62.8	4.39 (4.12–4.67)	2,110	361.7	7,245	88.5	4.09 (3.86–4.32)
<b>Epilepsy</b>	935	100.3	2,797	59.2	1.69 (1.55–1.85)	1,029	117.0	3,773	78.9	1.48 (1.37–1.60)
<b>Renal failure</b>	365	53.0	1,781	19.4	2.72 (2.39–3.11)	496	83.9	2,457	33.9	2.48 (2.22–2.77)

Note: Rates are calculated per 100,000 and were age-standardised to the Segi population. \*Rates are sex-specific.

**Table 5.6S: Selected publicly funded surgical procedures, 2003–2005 (Segi Standard)**

Procedure	Māori		Non-Māori		Ratio (95% CI)
	Number	Rate	Number	Rate	
Myringotomy (grommets)	6,788	328.7	15,772	268.7	1.22 (1.18–1.27)
Myringoplasty (repair of eardrum)	1,071	52.6	1,580	17.6	2.98 (2.69–3.31)
Mastoidectomy	204	11.1	530	5.3	2.12 (1.75–2.57)
Tonsillectomy and adenoidectomy	3,036	143.1	12,510	187.9	0.76 (0.73–0.80)
Angiography	5,029	386.9	44,084	295.0	1.31 (1.27–1.35)
Heart valve replacement	375	25.8	2,015	13.2	1.95 (1.72–2.21)
Angioplasty	826	62.9	11,577	76.1	0.83 (0.77–0.89)
Coronary artery bypass and graft	876	74.4	9,591	62.8	1.19 (1.10–1.28)
Endarterectomy	91	7.8	1,508	8.3	0.94 (0.75–1.18)
Stripping of varicose veins	492	31.3	1,666	12.2	2.57 (2.29–2.88)
Hemodialysis	42,514	3,356.3	27,907	198.6	16.90 (16.41–17.40)
Peritoneal dialysis	1,781	140.2	2,041	14.9	9.41 (8.57–10.34)
Kidney transplant	36	2.2	276	2.4	0.94 (0.65–1.37)
Amputation of lower limb	663	53.0	3,117	18.4	2.89 (2.62–3.19)
Cataract surgery	2,629	229.5	21,824	103.2	2.22 (2.13–2.33)
Cholecystectomy (gallbladder removal)	1,701	103.5	10,139	73.5	1.41 (1.33–1.49)
Hernia repair	1,759	105.9	9,065	88.3	1.20 (1.13–1.27)
Total hip replacement	931	77.2	8,895	51.0	1.51 (1.41–1.63)
Partial hip replacement	62	6.3	2,941	9.3	0.68 (0.51–0.90)
Mastectomy*	417	58.0	2,779	34.2	1.70 (1.52–1.90)
Total reconstruction of breast	76	8.3	740	11.0	0.75 (0.59–0.97)
Prostatectomy	317	64.5	5,809	67.0	0.96 (0.85–1.09)
Diagnostic procedures on cervix	444	46.9	2,374	42.5	1.11 (0.99–1.23)
Conisation of cervix	141	16.5	836	13.6	1.22 (1.00–1.48)
Other excision of lesion of cervix	979	102.8	4,260	78.3	1.31 (1.22–1.42)
Diagnostic procedures on uterus	1,928	219.1	9,553	143.9	1.52 (1.44–1.61)
Total abdominal hysterectomy	953	107.5	4,439	63.4	1.69 (1.57–1.83)
Vaginal hysterectomy	292	32.7	2,701	37.8	0.86 (0.76–0.98)
Tubal ligation (female sterilisation)	2593	241.8	6535	107.9	2.24 (2.12–2.36)
Insertion of intrauterine contraceptive device	2518	259.0	5556	102.5	2.53 (2.39–2.68)
Vasectomy (male sterilisation)	79	8.3	484	8.1	1.02 (0.79–1.31)
Caesarean section	5,218	9,883.8	33,826	18,897.5	0.52 (0.39–0.70)

Notes: Rates are calculated per 100,000 and were age-sex-standardised to the Segi population; \*rates for each procedure from mastectomy down to caesarean section are sex-specific; caesarean section rates were calculated per 100,000 deliveries in hospital.

**Table 6.3S: Cancer registrations and deaths, 2000–2004 (Segi Standard)**

Cancer site	Registrations					Deaths				
	Number		Rate		Rate ratio	Number		Rate		Rate ratio
	Māori	Non-Māori	Māori	Non-Māori		Māori	Non-Māori	Māori	Non-Māori	
<b>All sites</b>	6,697	83,926	354.2	319.4	1.11	3,587	35,596	203.9	118.9	1.71
Bladder	87	2,877	4.9	9.8	0.50	38	837	2.7	2.4	1.11
Bone	30	162	1.0	1.0	1.06	15	83	0.6	0.4	1.27
Brain	86	1,204	3.6	5.5	0.64	78	1,037	3.4	4.4	0.78
Breast: female*	1,069	10,587	95.3	83.7	1.14	344	2,806	31.8	19.2	1.66
Cervix*	174	731	13.4	6.5	2.04	65	258	5.7	1.9	3.04
Colorectal	469	12,710	26.6	44.3	0.60	254	5,481	14.8	17.8	0.83
<i>Colon</i>	281	8,412	15.6	28.3	0.55	135	3,683	7.7	11.7	0.66
<i>Rectum</i>	188	4,298	10.9	16.0	0.68	119	1,798	7.1	6.1	1.17
Gallbladder	32	458	1.9	1.5	1.27	23	355	1.4	1.1	1.24
Hodgkin's disease	37	367	1.3	1.9	0.69	2	69	0.1	0.3	0.21
Ill-defined sites	281	2,499	16.2	8.0	2.02	223	2,170	13.8	6.6	2.08
Kidney	138	1,642	7.1	6.6	1.08	65	707	3.5	2.5	1.44
Larynx	38	345	2.3	1.3	1.72	13	142	0.8	0.5	1.67
Leukaemias	244	3,114	12.5	12.7	0.98	94	1,214	5.1	4.3	1.19
<i>Lymphoid leukaemia</i>	131	1,912	6.9	8.1	0.85	30	400	1.6	1.5	1.11
<i>Myeloid leukaemia</i>	91	975	4.4	3.9	1.15	56	728	3.0	2.6	1.19
<i>Other leukaemias</i>	22	227	1.1	0.7	1.51	8	86	0.4	0.2	1.61
Liver	186	633	9.7	2.4	4.05	141	599	7.4	2.1	3.50
Lung	1,366	7,079	79.6	25.0	3.19	1,127	6,206	66.5	21.3	3.13
Melanoma of skin	84	8,967	3.9	37.0	0.11	22	1,244	1.3	4.6	0.29
Mesothelial and soft tissue	81	971	3.9	4.0	0.98	46	574	2.2	2.1	1.03
Multiple myeloma	106	1,312	6.5	4.5	1.44	55	718	3.3	2.2	1.46
Non-Hodgkin's lymphoma	201	2,887	10.3	11.0	0.94	105	1,364	5.8	4.6	1.27
Oesophagus	82	1,110	5.2	3.7	1.40	81	913	5.0	2.9	1.73
Oral cancers	119	1,298	5.6	5.2	1.07	58	543	3.2	2.0	1.62
Ovary*	135	1,366	12.1	10.6	1.14	63	817	6.7	5.4	1.24
Pancreas	149	1,521	8.4	5.0	1.68	128	1,433	7.3	4.6	1.57
Prostate*	606	13,565	84.0	105.6	0.80	153	2,761	24.6	17.4	1.41
Stomach	288	1,624	15.1	5.5	2.74	213	1,316	11.7	4.3	2.7
Testis*	136	580	9.0	6.4	1.39	15	31	1.0	0.3	3.08
Thyroid gland	122	711	5.2	3.3	1.57	14	86	0.8	0.3	2.77
Uterus*	169	1,400	16.2	10.7	1.50	47	368	5.1	2.3	2.23

Notes: Rates are calculated per 100,000 and were age-sex-standardised to the Segi population; \*rates are sex-specific; some site names have been abbreviated in this table, see Table A.2.2 in Appendix 2.

**Table 6.4S: Female cancer registrations and deaths, 2000–2004 (Segi Standard)**

Cancer site	Registrations					Deaths				
	Number		Rate		Rate ratio	Number		Rate		Rate ratio
	Māori	Non-Māori	Māori	Non-Māori		Māori	Non-Māori	Māori	Non-Māori	
<b>All sites</b>	3,626	39,039	345.1	284.3	1.21	1,823	16,545	186.4	99.9	1.87
Bladder	32	752	3.2	4.4	0.74	18	270	2.1	1.1	1.90
Bone	9	67	0.5	0.8	0.64	4	33	0.3	0.4	0.86
Brain	40	491	3.3	4.4	0.76	40	409	3.4	3.2	1.06
Breast: female	1,069	10,587	95.3	83.7	1.14	344	2,806	31.8	19.2	1.66
Cervix	174	731	13.4	6.5	2.04	65	258	5.7	1.9	3.04
Colorectal	214	6,334	21.6	40.0	0.54	112	2,725	11.4	15.4	0.74
<i>Colon</i>	139	4,557	14.2	27.8	0.51	65	1,984	6.6	11.0	0.60
<i>Rectum</i>	75	1,777	7.4	12.3	0.61	47	741	4.8	4.4	1.10
Gallbladder	22	273	2.6	1.6	1.59	15	204	1.8	1.8	1.53
Hodgkin's disease	17	166	1.1	1.8	0.61	1	28	0.1	0.1	0.23
Ill-defined sites	129	1,250	13.7	7.0	1.95	97	1,114	10.8	5.8	1.84
Kidney	52	608	4.9	4.7	1.03	22	263	2.3	1.6	1.37
Larynx	4	44	0.4	0.3	1.43	0	17	-	0.1	-
Leukaemias	107	1,325	9.7	10.1	0.96	42	533	4.0	3.2	1.25
<i>Lymphoid leukaemia</i>	40	772	3.6	6.1	0.59	9	167	0.7	1.0	0.69
<i>Myeloid leukaemia</i>	56	451	4.9	3.4	1.44	30	324	3.1	2.1	1.48
<i>Other leukaemias</i>	12	101	1.2	0.6	2.07	3	42	0.3	0.2	1.74
Liver	43	229	4.0	1.5	2.70	25	227	2.4	1.3	1.79
Lung	713	2,831	76.7	18.9	4.07	585	2,404	63.4	15.2	4.18
Melanoma of skin	57	4,440	5.1	35.9	0.14	7	473	0.7	3.1	0.23
Mesothelial and soft tissue	42	345	3.9	2.8	1.39	17	168	1.4	1.1	1.21
Multiple myeloma	49	551	5.5	3.4	1.60	27	315	3.0	1.7	1.80
Non-Hodgkin's lymphoma	95	1,365	9.6	9.6	1.00	53	634	5.8	3.7	1.58
Oesophagus	18	390	1.9	2.1	0.89	20	332	2.2	1.6	1.40
Oral cancers	35	465	3.0	3.3	0.90	13	167	1.3	0.9	1.42
Ovary	135	1,366	12.1	10.6	1.14	63	817	6.7	5.4	1.24
Pancreas	75	767	8.3	4.3	1.94	62	719	6.8	3.8	1.78
Stomach	129	610	12.7	3.6	3.55	88	479	8.4	2.6	3.25
Thyroid gland	92	518	7.5	4.8	1.56	7	56	0.7	0.3	2.30
Uterus	169	1,400	16.2	10.7	1.50	47	368	5.1	2.3	2.23

Notes: Rates are calculated per 100,000 and were age-standardised to the Segi population; some site names have been abbreviated in this table, see Table A2.2 in Appendix 2.



**Table 6.5S: Male cancer registrations and deaths, 2000–2004 (Segi Standard)**

Cancer site	Registrations					Deaths				
	Number		Rate		Rate ratio	Number		Rate		Rate ratio
	Māori	Non-Māori	Māori	Non-Māori		Māori	Non-Māori	Māori	Non-Māori	
<b>All sites</b>	3,071	44,887	363.3	354.4	1.02	1,764	19,051	221.4	138.0	1.60
Bladder	55	2,125	6.5	15.2	0.43	20	567	3.3	3.8	0.88
Bone	21	95	1.5	1.1	1.38	11	50	0.8	0.5	1.56
Brain	45	714	3.8	6.7	0.57	38	628	3.4	5.6	0.62
Colorectal	256	6,375	31.5	48.7	0.65	142	2,756	18.2	20.2	0.90
<i>Colon</i>	142	3,855	17.0	28.9	0.59	70	1,699	8.8	12.4	0.71
<i>Rectum</i>	113	2,521	14.5	19.8	0.73	72	1,057	9.5	7.8	1.21
Gallbladder	10	185	1.2	1.4	0.88	8	151	1.0	1.1	0.94
Hodgkin's disease	21	200	1.6	2.1	0.75	1	41	0.1	0.4	0.19
Ill-defined sites	152	1,249	18.7	9.0	2.07	126	1,056	16.8	7.4	2.27
Kidney	86	1,034	9.3	8.4	1.10	43	444	4.8	3.3	1.48
Larynx	33	302	4.2	2.4	1.76	13	125	1.6	0.9	1.85
Leukaemias	136	1,790	15.2	15.3	0.99	52	681	6.1	5.3	1.15
<i>Lymphoid leukaemia</i>	91	1,140	10.2	10.1	1.01	21	233	2.5	1.9	1.34
<i>Myeloid leukaemia</i>	35	524	4.0	4.3	0.93	26	404	3.0	3.1	0.99
<i>Other leukaemias</i>	10	126	1.0	0.9	1.15	5	44	0.5	0.3	1.55
Liver	143	404	15.3	3.3	4.66	116	372	12.5	2.9	4.28
Lung	653	4,248	82.5	31.0	2.66	542	3,802	69.5	27.3	2.54
Melanoma of skin	27	4,527	2.8	38.2	0.07	15	771	1.9	6.1	0.31
Mesothelial and soft tissue	39	626	3.9	5.2	0.75	29	406	3.0	3.1	0.96
Multiple myeloma	57	761	7.5	5.6	1.34	28	403	3.5	2.8	1.26
Non-Hodgkin's lymphoma	106	1,522	11.1	12.4	0.89	52	730	5.8	5.5	1.06
Oesophagus	65	719	8.6	5.4	1.59	61	581	7.8	4.2	1.85
Oral cancers	83	834	8.2	7.2	1.14	45	376	5.0	3.0	1.68
Pancreas	74	754	8.6	5.8	1.49	66	714	7.7	5.4	1.43
Prostate	606	13,565	84.0	105.6	0.80	153	2,761	24.6	17.4	1.41
Stomach	159	1,014	17.6	7.5	2.35	125	837	15.0	6.1	2.47
Testis	136	580	9.0	6.4	1.39	15	31	1.0	0.3	3.08
Thyroid gland	30	193	3.0	1.8	1.61	7	30	0.8	0.2	3.33

Notes: Rates were calculated per 100,000 and age-standardised to the Segi population; some cancer site names have been abbreviated in this table, see Table A2.2 in Appendix 2.

**Table 7S: Hospitalisations for mental disorders (2003–2005) (Segi Standard)**

Mental disorder diagnostic group	Māori		Non-Māori		Rate ratio (95% CI)
	Number	Rate	Number	Rate	
<b>Total</b>					
<b>All mental disorders</b>	<b>12,376</b>	<b>685.0</b>	<b>49,373</b>	<b>393.4</b>	<b>1.74 (1.70 – 1.78)</b>
Schizophrenia, schizotypal and delusional disorders	5,924	318.8	10,717	93.9	3.40 (3.26 – 3.54)
Manic episode and bipolar affective disorder	1,996	115.6	5,940	47.4	2.44 (2.30 – 2.59)
Substance use disorders	1,309	69.8	6,318	56.8	1.23 (1.15 – 1.31)
Anxiety and stress related disorders	1,126	59.3	6,289	52.5	1.13 (1.05 – 1.21)
Depressive episode, persistent mood disorders	933	50.8	9,020	69.4	0.73 (0.68 – 0.79)
Organic disorders	532	41.6	7,022	32.1	1.30 (1.17 – 1.44)
Personality disorders	262	13.8	2,343	21.6	0.64 (0.56 – 0.73)
Intellectual disability	61	3.3	262	2.5	1.35 (1.00 – 1.83)
Other mood (affective) disorders	38	2.1	163	1.5	1.45 (0.98 – 2.14)
Eating disorders	22	1.0	621	7.2	0.14 (0.09 – 0.21)
Other mental and behavioural disorders	127	13.0	486	12.5	1.04 (0.84 – 1.29)
<b>Males</b>					
<b>All mental disorders</b>	<b>6,746</b>	<b>763.9</b>	<b>22,311</b>	<b>376.5</b>	<b>2.03 (1.96 – 2.10)</b>
Schizophrenia, schizotypal and delusional disorders	3,746	411.7	6,609	121.6	3.39 (3.22 – 3.57)
Manic episode and bipolar affective disorder	783	91.6	2,396	40.7	2.25 (2.05 – 2.47)
Substance use disorders	744	82.4	3,770	67.3	1.22 (1.12 – 1.34)
Anxiety and stress related disorders	513	55.3	2,305	39.4	1.40 (1.26 – 1.56)
Depressive episode, persistent mood disorders	373	42.3	2,986	47.7	0.89 (0.79 – 1.00)
Organic disorders	299	49.3	3,131	35.4	1.40 (1.21 – 1.61)
Personality disorders	97	10.6	363	6.9	1.53 (1.20 – 1.96)
Other mental and behavioural disorders	127	13.0	486	12.5	10.4 (0.84 – 1.29)
Intellectual disability	49	5.5	167	3.1	1.77 (1.24 – 2.52)
Eating disorders	1	0.1	27	0.7	0.15 (0.02 – 1.15)
Other mental and behavioural disorders	465	24.8	782	7.6	3.27 (2.82 – 3.79)
<b>Females</b>					
<b>All mental disorders</b>	<b>5,630</b>	<b>606.0</b>	<b>27,062</b>	<b>410.4</b>	<b>1.48 (1.43 – 1.53)</b>
Schizophrenia, schizotypal and delusional disorders	2,179	225.8	4,107	66.2	3.41 (3.19 – 3.65)
Manic episode and bipolar affective disorder	1,214	139.6	3,543	54.2	2.58 (2.39 – 2.78)
Substance use disorders	565	57.2	2,548	46.3	1.23 (1.12 – 1.36)
Anxiety and stress related disorders	613	63.4	3,984	65.6	0.97 (0.88 – 1.06)
Depressive episode, persistent mood disorders	560	59.4	6,034	91.1	0.65 (0.59 – 0.71)
Organic disorders	233	33.9	3,891	28.8	1.18 (1.01 – 1.37)
Personality disorders	165	17.0	1,980	36.2	0.47 (0.40 – 0.55)
Intellectual disability	12	1.1	95	1.8	0.62 (0.32 – 1.17)
Other mood (affective) disorders	22	2.3	94	1.7	1.37 (0.82 – 2.28)
Eating disorders	21	1.9	594	13.7	0.14 (0.09 – 0.21)
Other mental and behavioural disorders	46	4.6	192	4.8	0.95 (0.67 – 1.35)

Note: This table relates to Tables 7.1 to 7.8 in the Mental Health: Psychiatric disorder and Suicide chapter of *Hauora IV*. Rates are calculated per 100,000 and were age-sex-standardised to the Segi population.

**Table 7.9S: Suicide deaths (2000–2004) (Segi Standard)**

	Māori		Non-Māori		Rate ratio (95% CI)
	Number	Rate	Number	Rate	
<b>Total</b>	437	14.6	2,004	10.7	1.37 (1.23 – 1.52)
<b>Males</b>	336	22.9	1,537	16.5	1.39 (1.23 – 1.57)
<b>Females</b>	101	6.3	467	4.8	1.30 (1.05 – 1.62)

Note: Rates are calculated per 100,000 and were age-sex-standardised to the Segi population.

**Table 8.4S: Cardiovascular disease deaths (2000–2004), public hospitalisations and procedures (2003–2005) (Segi Standard)**

Cardiovascular disease		Māori		Non-Māori		Rate ratio (95% CI)
		Number	Rate	Number	Rate	
<b>Cardiovascular disease</b>						
Total	Deaths	4,316	260.6	51,805	131.9	1.98 (1.91–2.04)
	Hospitalisations	22,326	1,757.8	183,516	1,038.7	1.69 (1.67–1.72)
Males	Deaths	2,420	306.9	24,462	162.1	1.89 (1.81–1.98)
	Hospitalisations	11,820	1,954.6	103,206	1,298.9	1.50 (1.47–1.54)
Females	Deaths	1,896	214.3	27,343	101.8	2.11 (2.01–2.21)
	Hospitalisations	10,506	1,561.1	80,310	778.6	2.01 (1.96–2.05)
<b>Ischaemic heart disease</b>						
Total	Deaths	2,449	149.7	28,688	75.9	1.97 (1.89–2.06)
	Hospitalisations	6,870	562.6	72,337	412.2	1.36 (1.33–1.40)
	Angiography	5,029	386.9	44,084	295.0	1.31 (1.27–1.35)
	Angioplasty	826	62.9	11,577	76.1	0.83 (0.77–0.89)
	CABG	876	74.4	9,591	62.8	1.19 (1.10–1.28)
Males	Deaths	1,523	191.9	15,075	100.9	1.90 (1.80–2.01)
	Hospitalisations	3,822	647.2	45,194	569.2	1.14 (1.10–1.18)
	Angiography	2,860	453.3	29,498	406.6	1.11 (1.07–1.16)
	Angioplasty	534	82.0	8,498	116.6	0.70 (0.64–0.77)
	CABG	606	104.4	7,525	101.2	1.03 (0.94–1.13)
Females	Deaths	926	107.5	13,613	50.9	2.11 (1.97–2.26)
	Hospitalisations	3,048	477.9	27,143	255.1	1.87 (1.80–1.95)
	Angiography	2,169	320.6	14,586	183.4	1.75 (1.66–1.84)
	Angioplasty	292	43.9	3,079	35.6	1.23 (1.08–1.40)
	CABG	270	44.5	2,065	24.4	1.82 (1.59–2.09)
<b>Stroke</b>						
Total	Deaths	685	41.8	13,092	30.4	1.37 (1.27–1.49)
	Hospitalisations	2,367	192.7	22,227	111.6	1.73 (1.65–1.81)
	• subarachnoid haemorrhage	322	21.1	1,422	9.8	2.15 (1.88–2.47)
	• intracerebral haemorrhage	422	34.9	3,470	18.5	1.88 (1.68–2.11)
	• ischaemic stroke	925	76.3	8,566	41.8	1.82 (1.69–1.97)
	• undetermined type	523	46.1	6,221	27.3	1.69 (1.53–1.87)
	Enderterectomy	91	7.8	1,508	8.3	0.94 (0.75–1.18)
Males	Deaths	277	38.7	4,904	31.0	1.25 (1.09–1.42)
	Hospitalisations	1,030	185.8	10,933	126.0	1.47 (1.37–1.58)
	Enderterectomy	40	7.0	959	11.4	0.62 (0.44–0.87)
Females	Deaths	408	45.0	8,188	29.8	1.51 (1.36–1.67)
	Hospitalisations	1,337	199.6	11,294	97.2	2.05 (1.93–2.19)
	Enderterectomy	51	8.6	549	5.3	1.63 (1.20–2.22)
<b>Heart failure</b>						
Total	Deaths	95	7.2	1,816	3.6	1.97 (1.59–2.45)
	Hospitalisations	3,677	317.8	17,554	77.5	4.10 (3.93–4.28)
Males	Deaths	36	6.1	569	3.5	1.75 (1.22–2.51)
	Hospitalisations	2,154	389.0	8,919	94.5	4.12 (3.89–4.35)
Females	Deaths	59	8.2	1,247	3.8	2.18 (1.67–2.85)
	Hospitalisations	1,523	246.6	8,635	60.4	4.08 (3.83–4.35)
<b>Hypertensive diseases</b>						
Total	Deaths	160	10.2	1,039	2.4	4.26 (3.56–5.10)
	Hospitalisations	455	29.8	2,099	12.9	2.31 (2.06–2.60)
Males	Deaths	82	11.5	368	2.4	4.89 (3.77–6.33)
	Hospitalisations	182	25.3	801	11.5	2.20 (1.84–2.64)
Females	Deaths	78	8.8	671	2.4	3.65 (2.86–4.66)
	Hospitalisations	272	34.3	1,299	14.3	2.40 (2.06–2.79)

Cardiovascular disease		Māori		Non-Māori		Rate ratio (95% CI)
		Number	Rate	Number	Rate	
<b>Chronic rheumatic heart disease</b>						
Total	Deaths	186	9.2	545	1.5	6.21 (5.20–7.41)
	Hospitalisations	496	31.8	1,004	7.0	4.51 (3.93–5.19)
	Valve replacements	375	25.8	2,015	13.2	1.95 (1.72–2.21)
Males	Deaths	73	7.3	193	1.3	5.47 (4.12–7.26)
	Hospitalisations	195	26.2	419	6.2	4.19 (3.36–5.21)
	Valve replacements	193	27.8	1,223	16.9	1.65 (1.39–1.95)
Females	Deaths	113	11.1	352	1.6	6.82 (5.43–8.55)
	Hospitalisations	301	37.4	585	7.8	4.78 (3.98–5.72)
	Valve replacements	183	23.8	791	9.6	2.49 (2.06–3.00)

Note: Rates are calculated per 100,000 and were age-sex-standardised to the Segi population.

**Table 10.3S: Respiratory disease deaths (2000–2004) and public hospital discharges (2003–2005) (Segi Standard)**

		Māori		Non-Māori		Rate ratio (95% CI)
		Number	Rate	Number	Rate	
<b>Respiratory diseases</b>						
Total	Deaths	1,037	64.0	10,658	28.4	2.25 (2.11–2.41)
	Hospitalisations	42,182	2,562.3	138,034	1,423.3	1.80 (1.77–1.83)
Females	Deaths	546	60.3	5,234	22.5	2.68 (2.45–2.94)
	Hospitalisations	20,967	2,541.2	66,250	1,308.4	1.94 (1.90–1.99)
Males	Deaths	491	67.8	5,424	34.4	1.97 (1.79–2.18)
	Hospitalisations	21,215	2,583.5	71,784	1,538.2	1.68 (1.64–1.72)
<b>Chronic obstructive pulmonary disease</b>						
Total	Deaths	759	48.3	7,453	20.5	2.36 (2.18–2.55)
	Hospitalisations	5,331	460.6	25,791	135.6	3.40 (3.28–3.51)
Females	Deaths	403	46.0	3,323	15.2	3.03 (2.72–3.37)
	Hospitalisations	3,167	508.3	12,413	123.8	4.11 (3.92–4.30)
Males	Deaths	356	50.7	4,130	25.8	1.97 (1.76–2.21)
	Hospitalisations	2,164	412.9	13,378	147.4	2.80 (2.66–2.95)
<b>Pneumonia</b>						
Total	Deaths	98	6.5	1,940	4.3	1.50 (1.19–1.90)
	Hospitalisations	6,934	455.3	28,640	249.1	1.83 (1.77–1.89)
Females	Deaths	45	4.7	1,233	4.1	1.15 (0.84–1.59)
	Hospitalisations	3,397	428.5	13,517	223.5	1.92 (1.83–2.01)
Males	Deaths	53	8.2	707	4.5	1.81 (1.31–2.50)
	Hospitalisations	3,537	482.1	15,123	274.7	1.75 (1.67–1.84)
<b>Asthma</b>						
Total	Deaths	79	3.6	286	0.9	3.92 (2.98–5.15)
	Hospitalisations	8,459	447.9	17,054	229.5	1.95 (1.88–2.02)
Females	Deaths	49	4.4	188	1.1	4.17 (2.98–5.85)
	Hospitalisations	4,408	478.1	9,120	225.1	2.12 (2.03–2.23)
Males	Deaths	30	2.8	98	0.8	3.58 (2.26–5.67)
	Hospitalisations	4,052	417.8	7,933	233.9	1.79 (1.70–1.88)
<b>Bronchiectasis</b>						
Total	Deaths	64	3.6	193	0.6	6.39 (4.70–8.69)
	Hospitalisations	812	52.8	1,722	13.6	3.87 (3.46–4.32)
Females	Deaths	31	3.5	123	0.6	5.74 (3.79–8.69)
	Hospitalisations	431	56.1	1,146	16.8	3.34 (2.90–3.85)
Males	Deaths	33	3.7	70	0.5	7.17 (4.54–11.32)
	Hospitalisations	380	49.5	577	10.5	4.71 (3.93–5.65)

Note: Rates are calculated per 100,000 and were age-sex-standardised to the Segi population.