

Table 1: Distribution of deaths for 0-74 year olds (1991-94) by sex, age, NMDS ethnic group and small area deprivation grouping

		Sex by age	Sex by age by NZDep91 decile group (n=33,924)			
		(n=38,101)	Deciles 1-5	Deciles 6-8	Deciles 9-10	All deciles (% of n=38,101)*
Males						
0-24yrs	Māori	234	23	54	109	186 (79%)
	Pacific	77	4	26	43	73 (95%)
	non-M non-P	1,506	520	412	334	1,266 (84%)
25-54yrs	Māori	692	84	195	296	575 (83%)
	Pacific	129	13	38	75	126 (98%)
	non-M non-P	4,233	1,599	1,164	892	3,655 (86%)
55-74yrs	Māori	1,091	117	257	427	801 (73%)
	Pacific	213	24	59	127	210 (99%)
	non-M non-P	15,260	6,215	4,501	3,069	13,785 (90%)
Females						
0-24yrs	Māori	108	8	21	61	90 (83%)
	Pacific	43	2	14	24	40 (93%)
	non-M non-P	682	233	194	163	590 (87%)
25-54yrs	Māori	466	57	111	218	386 (83%)
	Pacific	76	10	20	44	74 (97%)
	non-M non-P	2,577	1,043	680	564	2,287 (89%)
55-74yrs	Māori	845	83	195	375	653 (77%)
	Pacific	124	14	31	77	122 (98%)
	non-M non-P	9,745	4,018	2,988	1,999	9,005 (92%)

* Percentage of all eligible mortality records that had NZDep91 score.

Table 2: Age standardised rates (SR; per 100,000 person years) and standardised rate ratios (SRR; compared to non-Māori non-Pacific) of mortality for 23,435 male and 14,666 female 0-74 year old deaths during 1991-94, by age group and ethnicity. Results are presented both unadjusted and adjusted for numerator-denominator bias.

	Unadjusted for numerator-denominator bias				Adjusted for numerator-denominator bias		
	SR	(95% CI)	SRR	(95% CI)	SR	(% diff SR)*	SRR
MALES							
<i>All ages</i>							
Māori	869	(826-912)	1.70	(1.62-1.79)	1104	(27%)	2.26
Pacific	483	(430-537)	0.95	(0.85-1.06)	774	(60%)	1.58
non-M non-P	511	(504-518)	1.00	-	489	(-4%)	
<i>0-24 year olds</i>							
Māori	132	(120-144)	1.08	(0.98-1.19)	226	(71%)	2.12
Pacific	133	(112-153)	1.08	(0.92-1.27)	221	(66%)	2.07
non-M non-P	122	(118-127)	1.00	-	107	(-12%)	
<i>25-44 year olds</i>							
Māori	435	(413-456)	1.84	(1.75-1.94)	588	(35%)	2.68
Pacific	188	(167-210)	0.80	(0.71-0.90)	309	(64%)	1.41
non-M non-P	236	(231-241)	1.00	-	220	(-7%)	
<i>55-74 year olds</i>							
Māori	3,994	(3,893-4,094)	1.75	(1.70-1.79)	4,825	(21%)	2.16
Pacific	2,211	(2,086-2,336)	0.97	(0.91-1.02)	3,497	(58%)	1.57
non-M non-P	2,284	(2,270-2,299)	1.00	-	2,229	(-2%)	
FEMALES							
<i>All ages</i>							
Māori	584	(551-616)	2.01	(1.90-2.13)	715	(22%)	2.58
Pacific	252	(217-286)	0.87	(0.75-1.00)	427	(69%)	1.54
non-M non-P	290	(285-295)	1.00	-	277	(-4%)	1.00
<i>0-24 year olds</i>							
Māori	75	(65-85)	1.13	(0.97-1.30)	135	(80%)	2.38
Pacific	74	(58-90)	1.12	(0.90-1.40)	122	(65%)	2.15
non-M non-P	66	(62-70)	1.00	-	57	(-14%)	1.00
<i>25-44 year olds</i>							
Māori	291	(273-308)	2.06	(1.93-2.20)	374	(29%)	2.87
Pacific	115	(98-132)	0.81	(0.70-0.95)	207	(80%)	1.58
non-M non-P	141	(138-145)	1.00	-	130	(-8%)	1.00
<i>55-74 year olds</i>							
Māori	2722	(2,646-2,798)	2.12	(2.06-2.18)	3,174	(17%)	2.53
Pacific	1091	(1,012-1,169)	0.85	(0.79-0.91)	1,828	(68%)	1.46
non-M non-P	1286	(1,276-1,296)	1.00	-	1,256	(-2%)	1.00

Age standardisation was by 5-year age groups within the stated age range.

* Percentage change compared to the unadjusted standardised rate.

Figure 1: Standardised rates of mortality (per 100,000; deaths during 1991-94) for Māori and Non-Māori non-Pacific by small area deprivation (NZDep91), unadjusted and adjusted for numerator-denominator bias

Figure 1a: Males

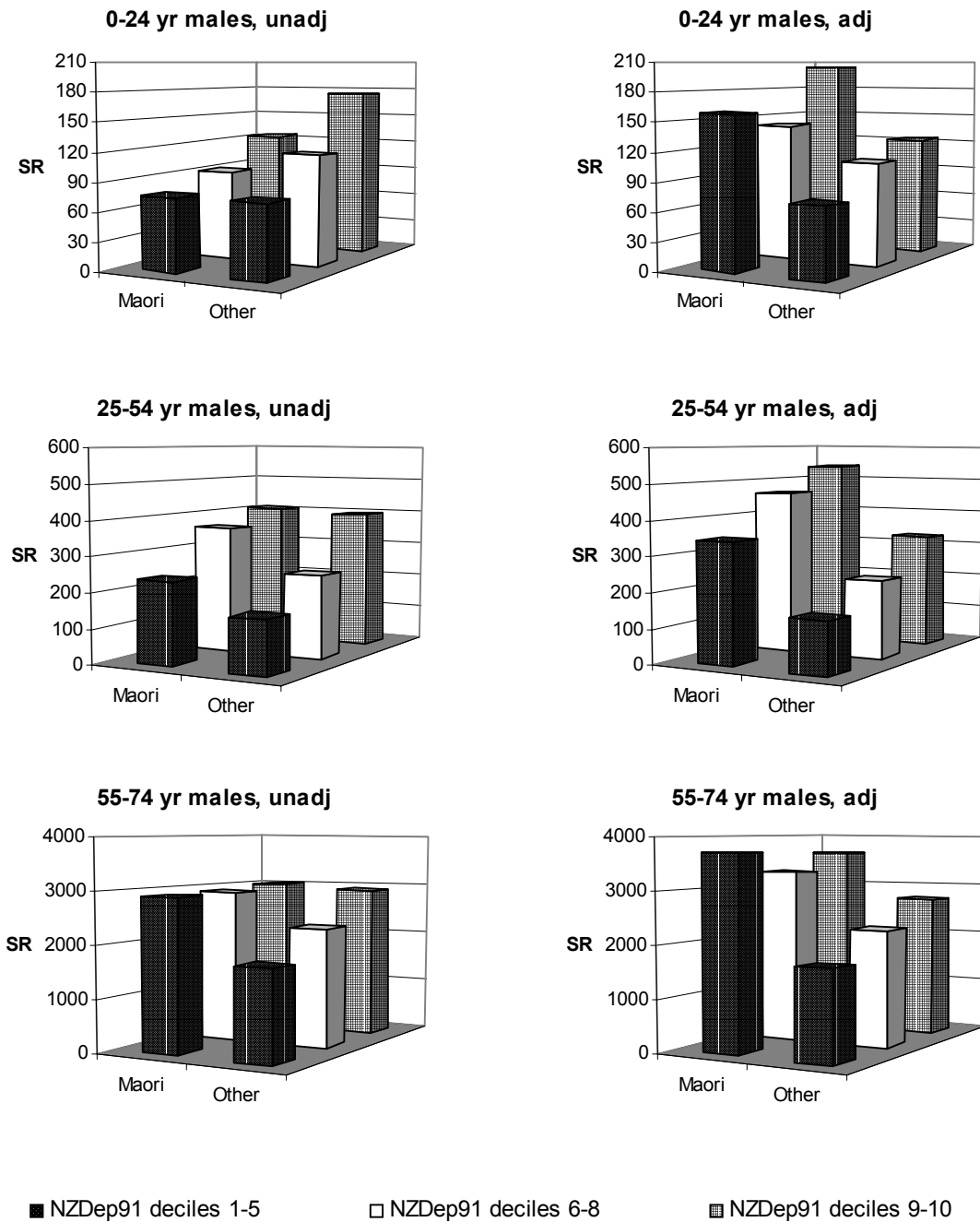
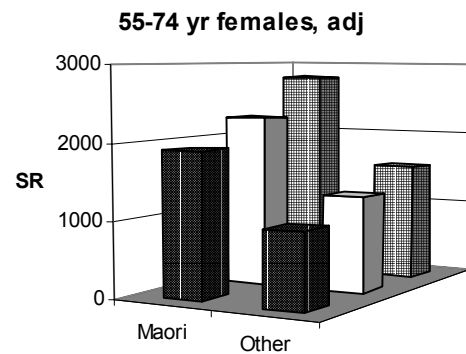
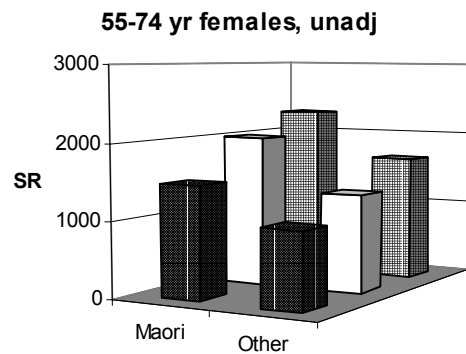
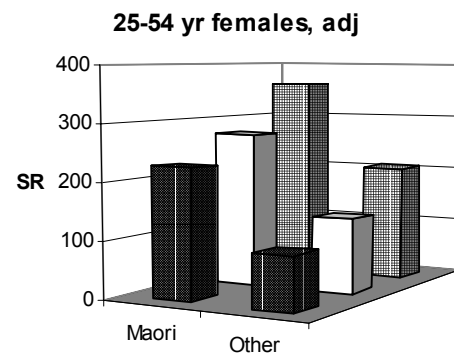
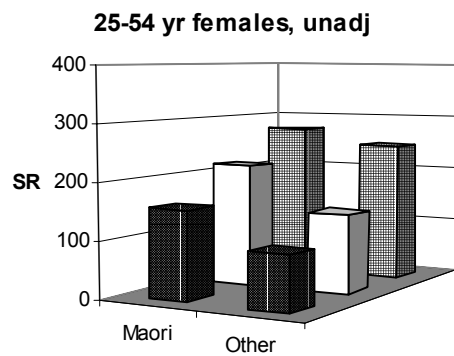
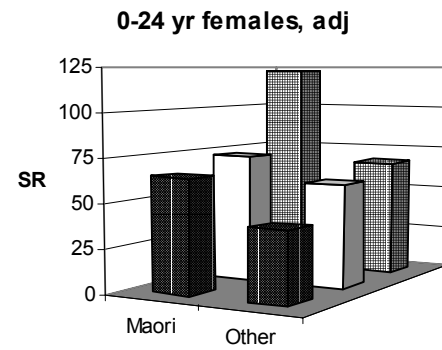
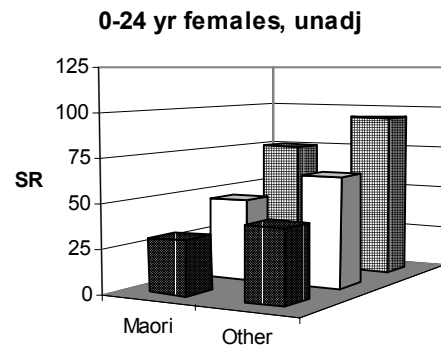


Figure 1b: Females



■ NZDep91 deciles 1-5

□ NZDep91 deciles 6-8

▒ NZDep91 deciles 9-10

Table 3: Standardised rates (per 100,000 person years) and standardised rate ratios (SRR; Māori compared to non-Māori non-Pacific) of mortality, within cross-classified strata of sex, age and small area deprivation, for 0-74 year old deaths with a NZDep91 score

	NMDS	Age-standardised only		Age and NZDep91 standardised		
	Ethnicity	Standardised rate	SRR	Standardised rate	SRR	% fall SRR *
<i>Males</i>						
All ages	Māori	838	1.92	808	1.79	15%
	non-M non-P	436	1.00	452	1.00	
0-24 years	Māori	191	2.11	163	1.74	33%
	non-M non-P	90	1.00	93	1.00	
25-54 years	Māori	488	2.57	418	2.03	35%
	non-M non-P	190	1.00	206	1.00	
55-74 years	Māori	3,494	1.73	na		
	non-M non-P	2,016	1.00	na		
<i>Females</i>						
All ages	Māori	561	2.22	492	1.88	28%
	non-M non-P	252	1.00	262	1.00	
0-24 years	Māori	112	2.30	79	1.54	58%
	non-M non-P	49	1.00	51	1.00	
25-54 years	Māori	310	2.68	268	2.10	34%
	non-M non-P	116	1.00	127	1.00	
55-74 years	Māori	2,429	2.09	2,191	1.85	22%
	non-M non-P	1,160	1.00	1,184	1.00	

All calculations adjust for numerator-denominator bias. Age standardisation was by 5-year age groups within the stated age range. NZDep91 standardisation was by deciles within the stated NZDep91 range.

* The percentage decrease between the age-only and age and NZDep91 standardised rate differences for Māori compared to non-Māori non-Pacific. E.g. For males aged 0-24 years [2.11-1.74] / [2.11-1.0] gives a 33% decrease in the SRR.

Archive Table 1: Census sole ethnicity to NMDS ethnicity ratios, for age group by sex and age group by NZDep91, for deaths during 1991-94

	Sex		NZDep91 groups			
	Males	Females	Deciles 1-4	Deciles 5-6	Decile 7-9	Decile 9-10
<i>Māori</i>						
0-14 years		1.91*				
15-24 years		1.52	2.33***	1.36**	1.59*	1.63
25-44 years	1.44	1.35	1.86**	1.14*	1.45	1.38
45-64 years	1.27	1.25	1.38	1.24	1.20	1.28
65-74 years	1.17	1.11	1.30*	1.05	1.11	1.18
<i>Pacific</i>						
0-14 years		1.60**				
15-24 years		1.80**				
25-44 years	1.50*	2.35**				
45-64 years	1.78	1.41				
65-74 years	1.49	1.81*				
<i>Non-Māori non-Pacific</i>						
0-14 years	0.85	0.82				
15-24 years	0.90	0.93	0.96	0.97	0.91	0.71
25-44 years	0.91	0.89	0.97	0.98	0.90	0.77
45-64 years	0.95	0.95	0.99	0.96	0.96	0.88
65-74 years	0.99	0.99	1.00	0.99	0.99	0.97

Unless indicated with an asterix(es), the true ratio (calculated without random rounding due to Statistics New Zealand protocol) was within plus or minus 0.05 of the given ratio.

* Due to Statistics New Zealand random rounding protocol, the true ratio may be as much as 0.1 above or below the given ratio.

** The true ratio may be as much as 0.2 above or below the given ratio.

*** The true ratio may be as much as 0.4 above or below the given ratio.