

**Analysis of Use of Hospital Services collected by the 1996/97 New Zealand Health Survey**

**Table 1: Use of specific public hospital services over the previous twelve months by sociodemographic variables: percent (standard errors)**

	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Total</b>	26.6 (0.7)	/	750278	10.5 (0.5)	/	297027	10.9 (0.5)	/	306774	13.0 (0.5)	/	365048
<b>Sex:</b>												
Male	25.2 (1.0)	25.4 (1.0)	346110	8.8 (0.7)	8.9 (0.7)	120237	13.0 (0.8)	13.0 (0.8)	177936	11.8 (0.7)	12.0 (0.7)	161565
Female	27.9 (0.9)	27.7 (0.9)	404169	12.2 (0.6)	12.1 (0.6)	176790	8.9 (0.6)	8.9 (0.6)	128838	14.1 (0.7)	13.9 (0.7)	203484
<b>Age:</b>												
15-24 yr	26.1 (1.8)	26.1 (1.8)	137741	9.8 (1.4)	9.9 (1.4)	51715	15.0 (1.4)	14.9 (1.4)	79033	9.5 (1.3)	9.5 (1.3)	49896
25-44 yr	26.7 (1.1)	26.7 (1.1)	303844	10.0 (0.7)	10.0 (0.7)	114343	12.3 (0.8)	12.3 (0.8)	139519	11.7 (0.7)	11.7 (0.7)	133206
45-64 yr	21.1 (1.1)	21.1 (1.1)	157900	8.4 (0.7)	8.3 (0.7)	62639	6.7 (0.8)	6.7 (0.8)	50146	12.0 (0.8)	12.0 (0.8)	90055
65-74 yr	33.3 (2.0)	33.5 (2.0)	81465	14.0 (1.5)	14.4 (1.6)	34266	10.2 (1.6)	10.5 (1.7)	24973	20.9 (1.6)	20.8 (1.6)	50916
75 yr +	43.3 (2.8)	43.4 (2.8)	69328	21.5 (2.3)	21.5 (2.3)	34063	8.3 (1.4)	8.3 (1.4)	13103	25.9 (2.4)	26.1 (2.4)	40975

**Table 1 (cont)**

	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Ethnicity</b>												
European/ Pākehā	26.8 (0.8)	26.8 (0.8)	606833	10.5 (0.5)	10.5 (0.5)	237308	10.6 (0.6)	10.9 (0.6)	240787	13.9 (0.6)	13.7 (0.6)	314838
Māori	29.5 (1.8)	29.1 (1.7)	82407	14.4 (1.5)	14.2 (1.4)	40061	14.4 (1.6)	12.9 (1.4)	40184	10.8 (1.0)	12.0 (1.2)	30251
Pacific	30.4 (2.7)	30.8 (2.8)	40273	11.3 (1.5)	13.2 (1.9)	14972	12.6 (1.9)	9.6 (1.5)	16657	10.1 (1.8)	12.0 (2.2)	13407
Other	14.2 (2.9)	17.9 (3.9)	20765	3.2 (1.2)	5.6 (3.0)	4685	6.3 (2.3)	6.3 (2.3)	9146	4.5 (1.4)	6.0 (1.9)	6551
<b>NZDep96 score</b>												
1 (least deprived)	22.1 (1.3)	23.3 (1.3)	179025	7.7 (1.0)	8.2 (1.0)	61944	9.8 (1.0)	10.0 (1.0)	78744	9.4 (0.9)	9.8 (1.0)	75496
2	26.1 (1.4)	25.9 (1.5)	182781	9.9 (1.0)	9.8 (1.1)	69308	11.0 (1.1)	11.1 (1.1)	77069	13.9 (1.1)	13.8 (1.2)	96977
3	27.5 (1.4)	27.3 (1.4)	174020	11.6 (0.9)	11.7 (0.9)	73345	10.4 (1.0)	10.1 (0.9)	65614	13.5 (1.1)	13.6 (1.1)	85696
4 (most deprived)	31.6 (1.2)	31.2 (1.1)	214452	13.6 (0.8)	13.5 (0.8)	92429	12.6 (0.9)	12.1 (0.8)	85346	15.8 (0.9)	15.9 (0.8)	106879
<b>Family income</b>												
0-\$20,000	33.8 (1.3)	30.4 (1.5)	170293	15.9 (1.0)	14.1 (1.1)	79849	9.1 (0.7)	10.1 (1.0)	45964	19.5 (1.1)	16.3 (1.2)	98147
\$20,001-30,000	29.8 (1.7)	30.0 (1.8)	112978	12.9 (1.2)	12.4 (1.2)	48957	10.2 (1.2)	11.4 (1.3)	38523	15.6 (1.3)	14.4 (1.3)	59080
\$30,001-50,000	28.9 (1.6)	29.1 (1.6)	154293	11.8 (1.1)	11.8 (1.1)	62886	12.4 (1.2)	12.3 (1.2)	65951	14.1 (1.2)	14.6 (1.3)	75546
\$50,001+	19.1 (1.3)	21.4 (2.0)	166979	6.6 (0.9)	8.0 (1.7)	57624	9.8 (1.0)	10.2 (1.3)	85489	7.4 (0.8)	9.2 (1.7)	64910

**Table 1 (cont)**

	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Smoking status</b>												
Current smoker	32.9 (1.4)	32.7 (1.4)	230465	12.5 (0.9)	13.1 (1.0)	87079	16.2 (1.3)	14.9 (1.2)	113492	14.0 (0.9)	14.6 (1.0)	98070
Ex smoker	27.4 (1.3)	25.7 (1.5)	192461	11.6 (0.8)	10.1 (0.9)	81604	8.8 (0.8)	9.1 (0.9)	61516	15.8 (1.1)	13.8 (1.2)	110801
Never smoked	23.1 (1.0)	23.2 (1.0)	325736	9.0 (0.6)	9.2 (0.6)	127282	9.3 (0.7)	9.1 (0.7)	131211	11.0 (0.7)	11.2 (0.7)	155185
<b>Level of physical activity per week</b>												
0 mins	31.1 (2.0)	30.1 (2.0)	133724	14.3 (1.4)	14.0 (1.3)	61320	13.5 (1.6)	13.0 (1.5)	57944	15.0 (1.4)	14.2 (1.4)	64288
1-149 mins	27.4 (1.3)	27.2 (1.3)	184239	11.1 (0.9)	11.0 (0.9)	74737	9.0 (0.9)	9.3 (0.9)	60722	13.9 (1.0)	13.9 (1.0)	93642
150-299 mins	25.7 (1.6)	25.8 (1.6)	139806	8.9 (1.0)	8.7 (1.0)	48504	9.8 (1.1)	9.7 (1.0)	53489	13.9 (1.1)	14.3 (1.1)	75336
300 + mins	24.9 (1.0)	24.7 (1.0)	292510	9.6 (0.8)	9.6 (0.7)	112466	11.5 (0.8)	11.3 (0.8)	134619	11.2 (0.7)	11.0 (0.7)	131783
<b>Education</b>												
No qualifications	29.8 (1.2)	29.4 (1.3)	240266	12.6 (0.8)	12.4 (0.9)	101869	11.8 (0.9)	12.5 (1.1)	94871	15.3 (0.9)	14.5 (0.9)	123476
School or post-school only	26.7 (1.2)	26.8 (1.2)	269993	10.9 (0.8)	10.6 (0.8)	109575	12.0 (1.0)	11.3 (0.9)	120895	12.5 (0.8)	12.7 (0.9)	125621
School and post school	23.6 (1.1)	24.1 (1.2)	234145	8.4 (0.7)	8.5 (0.8)	83518	8.9 (0.8)	9.0 (0.9)	87862	11.5 (0.8)	11.9 (0.9)	113938

**Table 1 (cont)**

	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Self-rated health</b>												
Excellent or v good	20.6 (0.9)	20.7 (0.9)	333826	6.6 (0.5)	6.7 (0.5)	107143	9.2 (0.6)	8.9 (0.6)	148375	9.0 (0.6)	9.4 (0.6)	146381
Good	28.9 (1.2)	29.2 (1.2)	236934	12.1 (0.9)	12.3 (0.9)	99199	11.5 (0.9)	12.0 (1.0)	94397	13.4 (0.9)	13.3 (0.9)	109937
Fair or poor	49.3 (2.1)	47.3 (2.3)	167597	25.2 (1.8)	23.1 (1.8)	85464	18.1 (1.8)	18.2 (1.9)	61425	30.9 (1.9)	29.2 (2.0)	104770

\*Adjusted rates are adjusted for age and sex, except when they are age specific in which case they are adjusted only for sex, or when they are sex specific in which case they are adjusted only for age.

**Table 2: Use of specific public hospital services over the previous twelve months by sociodemographic variables for males: percent (standard errors)**

MALES	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Total</b>	25.2 (1.0)	25.4 (1.0)	346110	8.8 (0.7)	8.9 (0.7)	120237	13.0 (0.8)	13.0 (0.8)	177936	11.8 (0.7)	12.0 (0.7)	161565
<b>Age:</b>												
15-24 yr	25.6 (2.7)		68114	7.6 (2.1)		20257	18.7 (2.3)		49832	7.5 (1.7)		20051
25-44 yr	24.4 (1.6)		135438	6.0 (0.9)		33392	14.9 (1.4)		82762	10.2 (1.1)		56709
45-64 yr	19.5 (1.6)		72930	8.7 (1.2)		32362	6.7 (1.1)		24894	11.7 (1.3)		43529
65-74 yr	35.4 (3.3)		41254	18.2 (2.7)		21261	12.8 (2.7)		14983	20.5 (2.6)		23891
75 yr +	45.4 (4.4)		28374	21.3 (3.2)		12966	9.0 (2.1)		5465	28.5 (4.0)		17385
<b>Ethnicity</b>												
European/ Pākehā	25.5 (1.1)	25.6 (1.2)	280983	9.0 (0.8)	8.9 (0.8)	99519	12.4 (0.9)	12.7 (0.9)	136127	13.0 (0.9)	12.8 (0.9)	142666
Māori	29.0 (3.0)	28.5 (2.8)	38291	11.1 (2.7)	11.9 (2.4)	14629	19.0 (2.9)	16.7 (2.4)	25007	9.8 (1.6)	10.7 (1.8)	12882
Pacific	29.4 (4.0)	27.6 (3.9)	19278	8.2 (1.9)	11.8 (2.8)	5395	17.9 (3.2)	13.1 (2.6)	11739	6.3 (1.6)	7.3 (2.1)	4113
Other	10.6 (4.1)	13.1 (4.8)	7558	1.0 (0.5)	1.6 (0.9)	695	7.1 (3.7)	7.6 (4.1)	5063	2.7 (2.0)	4.0 (2.8)	1904

**Table 2 (cont)**

MALES	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>NZDep96 score</b>												
1 (least deprived)	21.5 (2.1)	22.9 (2.1)	86688	8.1 (1.8)	8.7 (1.8)	32533	11.2 (1.5)	11.3 (1.5)	44874	9.6 (1.4)	10.5 (1.5)	38777
2	24.7 (2.3)	24.5 (2.4)	80924	7.5 (1.4)	7.2 (1.5)	24530	12.8 (1.9)	12.8 (1.9)	41978	13.0 (1.7)	12.8 (1.8)	42671
3	26.3 (2.0)	26.3 (2.0)	80434	9.5 (1.3)	9.9 (1.4)	29078	13.2 (1.6)	12.7 (1.6)	40291	11.8 (1.5)	12.0 (1.5)	36150
4 (most deprived)	29.3 (1.7)	29.3 (1.7)	98064	10.2 (1.0)	10.4 (1.0)	34096	15.2 (1.4)	14.5 (1.3)	50793	13.1 (1.2)	13.4 (1.2)	43967
<b>Family income</b>												
0-\$20,000	33.2 (2.2)	29.5 (2.4)	68556	16.5 (1.7)	13.8 (1.9)	33991	11.9 (1.4)	13.0 (1.8)	24576	18.4 (1.8)	14.6 (1.7)	37859
\$20,001-30,000	28.3 (2.6)	27.4 (2.9)	49083	10.5 (1.7)	8.6 (1.5)	18187	12.7 (2.0)	14.4 (2.3)	22012	13.8 (2.0)	11.2 (1.7)	24027
\$30,001-50,000	25.3 (2.2)	25.9 (2.2)	67989	8.5 (1.4)	9.0 (1.5)	22966	14.1 (2.0)	14.3 (2.0)	37814	11.3 (1.5)	11.6 (1.5)	30439
\$50,001+	18.6 (1.9)	20.9 (3.6)	88781	5.0 (1.4)	5.3 (1.4)	24122	11.6 (1.5)	13.0 (2.2)	55583	7.1 (1.1)	7.8 (1.3)	33751
<b>Smoking status</b>												
Current smoker	31.9 (2.1)	31.3 (2.1)	115786	8.1 (1.1)	9.3 (1.4)	29185	20.5 (2.1)	18.9 (2.0)	74238	11.5 (1.2)	11.5 (1.2)	41553
Ex smoker	27.1 (1.8)	24.5 (2.3)	98775	12.2 (1.4)	9.1 (1.4)	44369	9.7 (1.2)	10.7 (1.6)	35349	16.7 (1.5)	13.6 (1.7)	60789
Never smoked	20.2 (1.5)	21.1 (1.5)	130002	7.1 (1.1)	7.6 (1.0)	45691	10.6 (1.2)	9.9 (1.1)	67795	9.1 (1.0)	10.2 (1.0)	58230

**Table 2 (cont)**

MALES	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Level of physical activity per week</b>												
0 mins	31.1 (2.9)	31.1 (2.9)	72552	11.8 (1.8)	11.7 (1.8)	27431	17.3 (2.5)	17.4 (2.6)	40358	13.1 (1.9)	12.9 (1.9)	30635
1-149 mins	23.3 (2.1)	23.9 (2.1)	68715	8.4 (1.2)	9.0 (1.3)	24859	11.0 (1.6)	11.2 (1.7)	32454	11.7 (1.5)	12.0 (1.5)	34580
150-299 mins	23.2 (2.4)	23.9 (2.4)	54133	7.0 (1.6)	7.2 (1.6)	16256	10.2 (1.8)	9.9 (1.7)	23770	12.8 (1.7)	13.8 (1.9)	29794
300 + mins	24.7 (1.5)	24.2 (1.5)	150709	8.5 (1.3)	8.3 (1.2)	51692	13.3 (1.2)	12.9 (1.1)	81354	10.9 (1.0)	10.7 (1.0)	66556
<b>Education</b>												
No qualifications	26.6 (1.9)	25.8 (1.9)	96276	9.5 (1.1)	8.9 (1.1)	34397	13.8 (1.6)	13.9 (1.7)	49780	12.5 (1.3)	11.8 (1.3)	45193
School or post-school only	27.1 (1.8)	27.0 (1.9)	139066	10.3 (1.3)	9.7 (1.1)	52839	14.9 (1.5)	13.8 (1.4)	76310	12.4 (1.3)	12.3 (1.3)	63440
School and post school	22.1 (1.7)	23.0 (1.8)	109480	6.5 (1.1)	6.8 (1.1)	32442	10.4 (1.3)	11.0 (1.4)	51313	10.6 (1.2)	11.3 (1.3)	52555
<b>Self-rated health</b>												
Excellent or v good	19.7 (1.3)	20.1 (1.3)	154464	4.7 (0.7)	5.2 (0.7)	36841	11.0 (1.0)	10.5 (1.0)	86213	8.5 (0.8)	9.0 (0.9)	66356
Good	26.6 (1.8)	27.2 (1.9)	106011	10.6 (1.3)	10.8 (1.4)	42239	13.7 (1.5)	14.5 (1.6)	54421	11.5 (1.2)	11.5 (1.2)	45881
Fair or poor	46.9 (3.4)	44.3 (3.7)	80650	22.8 (2.6)	20.5 (2.7)	39125	20.9 (3.0)	21.0 (3.2)	35814	27.9 (2.9)	24.7 (2.9)	47864

\*Adjusted rates are adjusted for age, except where they are age specific.

**Table 3: Use of specific public hospital services over the previous twelve months by socio-demographic variables for females: percent (standard errors)**

FEMALES	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Total</b>	27.9 (0.9)	27.7 (0.9)	404169	12.2 (0.6)	12.1 (0.6)	176790	8.9 (0.6)	8.9 (0.6)	128838	14.1 (0.7)	13.9 (0.7)	203484
<b>Age:</b>												
15-24 yr	26.6 (2.4)		69627	12.0 (1.9)		31458	11.2 (1.6)		29201	11.4 (1.9)		29845
25-44 yr	28.8 (1.4)		168406	13.8 (1.0)		80952	9.7 (1.0)		56756	13.1 (1.0)		76498
45-64 yr	22.5 (1.6)		84971	8.0 (0.9)		30277	6.7 (1.0)		25252	12.3 (1.1)		46526
65-74 yr	31.5 (2.7)		40210	10.2 (1.5)		13005	7.8 (1.8)		9990	21.2 (2.2)		27025
75 yr +	42.0 (3.4)		40954	21.7 (3.1)		21098	7.9 (1.9)		7638	24.2 (2.9)		23590
<b>Ethnicity</b>												
European/ Pākehā	28.1 (1.0)	27.9 (1.1)	325850	11.9 (0.7)	11.9 (0.7)	137790	9.0 (0.7)	9.2 (0.7)	104660	14.8 (0.8)	14.5 (0.8)	172172
Māori	30.0 (2.1)	29.8 (2.0)	44116	17.3 (1.6)	16.4 (1.6)	25432	10.3 (1.3)	9.3 (1.2)	15176	11.8 (1.3)	13.2 (1.5)	17370
Pacific	31.5 (3.2)	33.7 (3.7)	20995	14.4 (2.3)	14.6 (2.5)	9578	7.4 (2.2)	6.2 (1.7)	4918	13.9 (2.9)	16.4 (3.4)	9295
Other	17.8 (4.0)	22.5 (5.9)	13208	5.4 (2.2)	9.4 (5.5)	3990	5.5 (2.9)	4.9 (2.3)	4084	6.3 (2.2)	7.9 (2.7)	4647

**Table 3 (cont)**

FEMALES	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>NZDep96 score</b>												
1 (least deprived)	22.8 (1.9)	23.6 (1.9)	92337	7.3 (1.1)	7.8 (1.1)	29411	8.4 (1.3)	8.8 (1.3)	33870	9.1 (1.2)	9.2 (1.2)	36719
2	27.4 (1.9)	27.2 (2.0)	101857	12.0 (1.4)	12.2 (1.6)	44777	9.4 (1.3)	9.4 (1.3)	35092	14.6 (1.4)	14.7 (1.6)	54306
3	28.6 (1.8)	28.2 (1.8)	93586	13.5 (1.3)	13.4 (1.3)	442688	7.7 (1.0)	7.7 (1.0)	25322	15.2 (1.5)	15.0 (1.5)	49545
4 (most deprived)	33.8 (1.4)	33.0 (1.4)	116388	17.0 (1.1)	16.4 (1.1)	58334	10.0 (1.0)	9.7 (1.0)	34554	18.3 (1.3)	18.2 (1.2)	62913
<b>Family income</b>												
0-\$20,000	34.2 (1.6)	31.2 (1.8)	101737	15.5 (1.2)	14.4 (1.3)	45858	7.2 (0.8)	7.4 (1.0)	21387	20.3 (1.3)	17.9 (1.5)	60289
\$20,001-30,000	31.1 (2.3)	32.4 (2.4)	63894	15.0 (1.7)	16.0 (1.8)	30771	8.1 (1.4)	8.5 (1.4)	16511	17.1 (1.7)	17.5 (1.9)	35053
\$30,001-50,000	32.6 (2.2)	32.1 (2.4)	86304	15.1 (1.6)	14.5 (1.6)	39920	10.6 (1.5)	10.4 (1.5)	28137	17.0 (1.8)	17.6 (2.0)	45106
\$50,001+	19.8 (1.9)	21.9 (3.1)	78198	8.5 (1.2)	10.7 (3.0)	33502	7.6 (1.2)	7.6 (1.2)	29907	7.9 (1.1)	10.5 (3.0)	31160
<b>Smoking status</b>												
Current smoker	34.0 (1.8)	33.9 (1.9)	114678	17.2 (1.4)	16.6 (1.4)	57894	11.6 (1.2)	11.1 (1.2)	39254	16.8 (1.4)	17.6 (1.5)	56517
Ex smoker	27.7 (1.9)	26.8 (2.0)	93687	11.0 (1.1)	11.0 (1.2)	37235	7.7 (1.2)	7.6 (1.1)	26168	14.8 (1.4)	14.0 (1.5)	50012
Never smoked	25.4 (1.2)	25.3 (1.2)	195734	10.6 (0.8)	10.6 (0.8)	81591	8.2 (0.9)	8.3 (0.9)	63416	12.6 (0.9)	12.3 (0.9)	96955

**Table 3 (cont)**

FEMALES	TOTAL PUBLIC HOSPITAL SERVICES UTILISATION			ADMITTED TO PUBLIC HOSPITAL (IN OR DAY PATIENT)			ACCIDENT AND EMERGENCY DEPT USE			OUTPATIENT DEPT USE		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Level of physical activity per week</b>												
0 mins	31.1 (2.5)	29.2 (2.4)	61171	17.2 (2.1)	16.1 (1.9)	33889	8.9 (1.6)	8.9 (1.5)	17586	17.1 (2.1)	15.5 (1.9)	33654
1-149 mins	30.5 (1.8)	30.4 (1.8)	115523	13.2 (1.2)	12.9 (1.2)	49878	7.5 (1.0)	7.4 (0.9)	28268	15.6 (1.4)	15.7 (1.4)	59061
150-299 mins	27.6 (1.9)	27.6 (1.9)	85673	10.4 (1.2)	10.1 (1.2)	32249	9.6 (1.4)	9.4 (1.3)	29719	14.7 (1.5)	14.9 (1.5)	45542
300 + mins	25.2 (1.4)	25.2 (1.4)	141801	10.8 (1.0)	10.9 (1.0)	60774	9.5 (1.0)	9.7 (1.1)	53264	11.6 (1.0)	11.2 (1.0)	65227
<b>Education</b>												
No qualifications	32.4 (1.6)	32.7 (1.8)	143990	15.2 (1.2)	15.8 (1.3)	67472	10.1 (1.1)	11.2 (1.4)	45091	17.6 (1.3)	17.0 (1.4)	78283
School or post-school only	26.3 (1.4)	26.7 (1.5)	130927	11.4 (1.0)	11.5 (1.0)	56736	9.0 (1.0)	8.9 (1.0)	44585	12.5 (1.0)	13.1 (1.1)	62181
School and post school	25.1 (1.5)	25.2 (1.7)	124665	10.3 (1.0)	10.2 (1.1)	51076	7.4 (1.0)	7.1 (1.1)	36549	12.4 (1.1)	12.4 (1.2)	61384
<b>Self-rated health</b>												
Excellent or v good	21.4 (1.1)	21.3 (1.1)	179362	8.4 (0.7)	8.2 (0.7)	70302	7.4 (0.8)	7.3 (0.8)	62162	9.6 (0.8)	9.7 (0.8)	80025
Good	31.1 (1.7)	31.1 (1.7)	130923	13.6 (1.2)	13.8 (1.2)	56960	9.5 (1.1)	9.6 (1.2)	39977	15.2 (1.2)	15.1 (1.2)	64056
Fair or poor	51.8 (2.5)	50.2 (2.7)	86947	27.7 (2.4)	25.6 (2.3)	46339	15.3 (1.9)	15.6 (1.9)	25611	34.0 (2.4)	33.6 (2.6)	56906

\*Adjusted rates are adjusted for age, except where they are age specific.



**Table 4: use of private hospital services over the previous twelve months by sociodemographic variables: percent (standard errors)**

	USED A SERVICE AT A PRIVATE HOSPITAL			USED A PRIVATE A&E OR DOCTOR'S AFTER HOURS CLINIC		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Total</b>	6.7 (0.5)	/	189963	12.4 (0.6)	/	346345
15-24 yr	5.1 (1.0)	5.1 (1.1)	26660	17.1 (1.8)	17.1 (1.8)	89726
25-44 yr	5.4 (0.6)	5.4 (0.6)	61916	13.5 (0.9)	13.5 (0.9)	151583
45-64 yr	9.2 (1.1)	9.2 (1.1)	69001	9.7 (0.9)	9.7 (0.9)	71964
65-74 yr	8.0 (1.7)	8.1 (1.7)	19562	7.9 (1.4)	8.0 (1.5)	19212
75 yr +	8.0 (1.7)	8.0 (1.7)	12824	8.8 (1.8)	8.7 (1.8)	13860
<b>Male</b>						
<b>Total</b>	5.6 (0.7)	5.7 (0.7)	77336	13.1 (0.9)	13.1 (0.9)	178166
15-24 yr	2.9 (0.8)	/	7599	17.3 (2.7)	/	45910
25-44 yr	4.8 (1.0)	/	26640	14.3 (1.4)	/	78024
45-64 yr	7.5 (1.7)	/	28147	10.7 (1.5)	/	39373
65-74 yr	9.0 (2.3)	/	10442	8.4 (2.2)	/	9730
75 yr +	7.2 (2.6)	/	4509	8.3 (2.2)	/	5129
<b>Female</b>						
<b>Total</b>	7.8 (0.7)	7.8 (0.7)	112627	11.7 (0.7)	11.8 (0.7)	168179
15-24 yr	7.3 (2.0)	/	19061	16.9 (2.2)	/	43815
25-44 yr	6.0 (0.8)	/	35276	12.7 (1.1)	/	73558
45-64 yr	10.9 (1.4)	/	40854	8.8 (1.2)	/	32591
65-74 yr	7.2 (1.7)	/	9121	7.5 (1.9)	/	9482
75 yr +	8.5 (2.3)	/	8316	9.0 (2.6)	/	8732
<b>Ethnicity</b>						
European/ Pākehā	7.7 (0.6)	7.6 (0.6)	173906	12.8 (0.7)	13.2 (0.7)	287346
Māori	2.8 (0.6)	2.9 (0.6)	7744	11.6 (1.5)	10.1 (1.2)	31894
Pacific	2.6 (0.9)	2.6 (0.8)	3449	11.9 (1.9)	10.2 (1.7)	15454
Other	3.3 (1.2)	5.7 (2.4)	4865	8.1 (2.2)	9.4 (2.9)	11650

**Table 4 (cont)**

	USED A SERVICE AT A PRIVATE HOSPITAL			USED A PRIVATE A&E OR DOCTOR'S AFTER HOURS CLINIC		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>NZDep96 score</b>						
1 (least deprived)	9.4 (1.2)	9.6 (1.2)	75831	14.2 (1.4)	14.5 (1.4)	113824
2	6.8 (1.0)	6.8 (1.0)	47746	11.6 (1.1)	11.8 (1.2)	80411
3	6.5 (0.9)	6.4 (0.9)	40940	12.8 (1.2)	12.6 (1.1)	79569
4 (most deprived)	3.7 (0.5)	3.9 (0.5)	25446	10.8 (0.9)	10.5 (0.9)	72540
<b>Family income</b>						
0-\$20,000	4.8 (0.7)	3.7 (0.6)	24014	8.1 (0.8)	8.7 (1.0)	40377
\$20,001-30,000	5.4 (1.0)	4.7 (0.9)	20340	11.7 (1.6)	13.4 (2.1)	43890
\$30,001-50,000	7.0 (1.0)	7.2 (1.0)	37369	11.8 (1.2)	11.6 (1.2)	62302
\$50,001+	8.1 (1.0)	10.5 (1.9)	70783	14.7 (1.4)	16.9 (2.2)	126038
<b>Smoking status</b>						
Current smoker	5.3 (0.8)	5.3 (0.8)	36953	13.5 (1.1)	12.3 (1.0)	93287
Ex smoker	8.9 (1.3)	8.3 (1.4)	62644	11.3 (1.1)	12.6 (1.4)	78829
Never smoked	6.4 (0.6)	6.7 (0.6)	90270	12.4 (0.9)	12.3 (0.9)	173604
<b>Level of physical activity per week</b>						
0 mins	7.5 (1.4)	7.5 (1.4)	32304	14.4 (1.7)	14.3 (1.7)	61569
1-149 mins	4.5 (0.6)	4.7 (0.7)	30196	11.7 (1.1)	12.0 (1.2)	77818
150-299 mins	6.6 (0.9)	6.7 (1.0)	35629	12.1 (1.2)	11.8 (1.2)	64834
300 + mins	7.8 (0.8)	8.1 (0.9)	91835	12.2 (1.0)	12.3 (1.0)	142125
<b>Education</b>						
No qualifications	4.9 (0.7)	4.5 (0.7)	39678	10.8 (0.9)	11.1 (1.0)	85716
School or post-school only	7.5 (1.0)	7.6 (0.9)	75404	12.3 (1.0)	11.1 (0.9)	123082
School and post school	7.4 (0.8)	7.8 (0.8)	73208	13.7 (1.1)	13.7 (1.1)	133619
<b>Self-rated health</b>						
Excellent or v good	5.8 (0.5)	6.1 (0.5)	94724	11.0 (0.7)	10.6 (0.7)	175850
Good	8.2 (1.1)	8.0 (1.1)	66865	13.5 (1.1)	13.9 (1.1)	109559
Fair or poor	7.6 (1.4)	6.7 (1.4)	25934	17.0 (1.8)	17.4 (1.9)	57337

**Table 4 (cont)**

	USED A SERVICE AT A PRIVATE HOSPITAL			USED A PRIVATE A&E OR DOCTOR'S AFTER HOURS CLINIC		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Health insurance</b>						
Yes	12.1 (1.0)	12.0 (1.0)	136517	14.0 (1.0)	14.5 (1.1)	155865
No	3.2 (0.4)	3.1 (0.4)	53259	11.3 (0.7)	11.2 (0.7)	185494

\*Adjusted rates are adjusted for age and sex, except when they are age specific in which case they are adjusted only for sex, or when they are sex specific in which case they are adjusted only for age.

**Table 5: Admissions to any hospital in the last twelve months by sociodemographic variables: percent (standard errors)**

	Unadj	Adj*	Pop Est
<b>Total</b>	14.6 (0.6)		412911
<b>Sex</b>			
male	11.9 (0.8)	12.1 (0.8)	163830
female	17.2 (0.8)	17.1 (0.8)	249081
<b>Age</b>			
15-24 yr	12.6 (1.5)	12.7 (1.5)	66260
25-44 yr	13.5 (0.8)	13.4 (0.8)	153669
45-64 yr	14.2 (1.0)	14.3 (1.0)	106666
65-74 yr	18.9 (1.8)	19.3 (1.9)	46126
75 yr +	25.1 (2.3)	25.0 (2.3)	40190
<b>Ethnicity</b>			
European/ Pākehā	15.1 (0.7)	15.1 (0.7)	343098
Māori	15.7 (1.6)	15.5 (1.4)	43926
Pacific	13.1 (1.7)	14.9 (2.0)	17384
Other	5.8 (1.7)	10.2 (3.6)	8504
<b>NZDep96 score</b>			
1 (least deprived)	14.0 (1.3)	14.9 (1.4)	112947
2	13.5 (1.2)	13.4 (1.2)	94869
3	16.0 (1.1)	16.0 (1.1)	101427
4 (most deprived)	15.3 (0.8)	15.2 (0.8)	103668
<b>Family income</b>			
0-\$20,000	19.0 (1.1)	16.6 (1.2)	95955
\$21,000-30,000	14.8 (1.3)	14.0 (1.2)	55996
\$31,000-50,000	16.1 (1.3)	16.2 (1.4)	86023
\$50,001+	12.0 (1.2)	14.5 (2.0)	105338

**Table 5 (cont)**

	Unadj	Adj*	Pop Est
<b>Smoking status</b>			
Current smoker	15.0 (1.1)	15.7 (1.1)	105259
Ex smoker	17.4 (1.2)	15.9 (1.4)	122117
Never smoked	13.0 (0.8)	13.4 (0.8)	184376
<b>Level of physical activity per week</b>			
0 mins	19.5 (1.7)	19.2 (1.7)	84097
1-149 mins	13.7 (1.0)	13.7 (1.0)	92594
150-299 mins	13.3 (1.2)	13.1 (1.2)	72101
300 + mins	14.0 (0.9)	14.0 (0.9)	164119
<b>Education</b>			
No qualifications	15.4 (1.0)	15.0 (1.1)	124380
School or post-school only	14.9 (1.0)	14.9 (0.9)	150966
School and post school	13.6 (1.0)	14.1 (1.0)	134764
<b>Self-rated health</b>			
Excellent or v good	10.6 (0.7)	10.8 (0.7)	171383
Good	17.0 (1.1)	17.2 (1.1)	139388
Fair or poor	27.9 (1.9)	25.6 (1.9)	94899
<b>Family type</b>			
Single with no children	13.8 (1.0)	13.3 (1.4)	130105
Single with children	16.6 (1.7)	13.7 (2.3)	28114
Couple with no children	15.0 (0.9)	13.1 (1.1)	119379
Couple with children	14.7 (1.0)	20.4 (2.5)	131509
<b>Location</b>			
Major urban	15.0 (0.7)	15.1 (0.7)	307195
Secondary urban	15.0 (2.1)	14.6 (2.1)	27830
Minor urban	12.3 (1.2)	11.7 (1.2)	30401
Rural	13.8 (1.6)	14.9 (1.9)	47485

**Table 5 (cont)**

	Unadj	Adj*	Pop Est
<b>Community Services Card</b>			
Yes	16.4 (0.8)	15.7 (0.8)	214949
No	12.9 (0.8)	13.4 (0.9)	188576
<b>Health insurance</b>			
Yes	16.2 (1.0)	16.5 (1.1)	183091
No	13.7 (0.6)	13.4 (0.6)	227635
<b>AUDIT score</b>			
0 (non-drinkers)	17.3 (1.3)	16.4 (1.3)	88175
less than 8	13.9 (0.7)	13.7 (0.7)	246755
8 or more	13.8 (1.5)	15.3 (1.9)	66189
<b>Hypertension</b>			
Yes	24.6 (1.9)	22.2 (4.2)	81515
No	13.3 (0.6)	13.6 (0.6)	331050
<b>Diabetes</b>			
Yes	31.7 (3.7)	31.3 (6.1)	33097
No	14.0 (0.6)	14.1 (0.6)	379694
<b>Asthma**</b>			
Yes	18.0 (2.5)	18.5 (2.9)	46260
No	12.0 (0.8)	12.2 (0.8)	167826

\*Adjusted rates are adjusted for age and sex, except when they are age specific in which case they are adjusted only for sex, or when they are sex specific in which case they are adjusted only for age.

\*\*This variable refers only to those aged between 15 and 44 years.

**Table 6: Admissions to any hospital in the last twelve months by sociodemographic variables for males: percent (standard errors)**

MALES	Unadj	Adj*	Pop Est
<b>Total</b>	11.9 (0.8)	12.1 (0.8)	163830
<b>Age</b>			
15-24 yr	9.2 (2.1)	/	24364
25-44 yr	9.2 (1.2)		50851
45-64 yr	12.3 (1.4)		46032
65-74 yr	23.6 (3.0)		27481
75 yr +	24.1 (3.5)		15101
<b>Ethnicity</b>			
European/ Pākehā	12.5 (0.9)	12.3 (0.9)	138280
Māori	12.8 (2.7)	13.6 (2.4)	16867
Pacific	10.2 (2.3)	13.4 (2.9)	6684
Other	2.8 (1.4)	5.8 (3.7)	1999
<b>NZDep96 score</b>			
1 (least deprived)	11.7 (2.0)	12.8 (2.1)	47345
2	10.9 (1.6)	10.6 (1.7)	35756
3	13.4 (1.5)	13.5 (1.5)	41000
4 (most deprived)	11.9 (1.1)	12.2 (1.1)	39728
<b>Family income</b>			
0-\$20,000	19.2 (1.8)	16.2 (2.0)	39572
\$21,000-30,000	11.8 (1.8)	9.6 (1.6)	20534
\$31,000-50,000	12.8 (1.8)	13.2 (1.9)	34479
\$50,001+	8.6 (1.7)	11.4 (2.6)	41103

**Table 6 (cont)**

MALES	Unadj	Adj*	Pop Est
<b>Smoking status</b>			
Current smoker	9.9 (1.4)	10.9 (1.5)	36105
Ex smoker	16.0 (1.5)	11.9 (1.5)	58275
Never smoked	10.6 (1.3)	11.7 (1.3)	68458
<b>Level of physical activity per week</b>			
0 mins	16.1 (2.3)	16.0 (2.2)	37685
1-149 mins	11.3 (1.4)	11.9 (1.5)	33334
150-299 mins	10.1 (1.8)	10.8 (1.9)	23469
300 + mins	11.3 (1.4)	10.9 (1.3)	69342
<b>Education</b>			
No qualifications	12.2 (1.4)	11.5 (1.4)	44031
School or post-school only	12.9 (1.4)	12.4 (1.3)	66084
School and post school	10.7 (1.4)	11.5 (1.5)	53155
<b>Self-rated health</b>			
Excellent or v good	7.5 (0.9)	8.3 (1.0)	59122
Good	14.9 (1.6)	15.0 (1.7)	59296
Fair or poor	25.0 (2.8)	22.4 (2.8)	43206
<b>Family type</b>			
Single with no children	12.4 (1.5)	11.0 (1.6)	59885
Single with children	7.7 (3.2)	9.7 (4.2)	2026
Couple with no children	14.3 (1.4)	11.0 (1.7)	58003
Couple with children	9.5 (1.3)	14.9 (3.0)	43196
<b>Location</b>			
Major urban	12.7 (1.1)	13.0 (1.1)	126127
Secondary urban	11.1 (2.1)	10.2 (2.0)	9811
Minor urban	9.0 (1.8)	8.0 (1.6)	10493
Rural	10.0 (1.9)	10.7 (2.0)	17399

**Table 6 (cont)**

MALES	Unadj	Adj*	Pop Est
<b>Community Services Card</b>			
Yes	13.6 (1.2)	12.9 (1.2)	80973
No	10.7 (1.1)	12.1 (1.3)	79704
<b>Health insurance</b>			
Yes	13.0 (1.5)	13.5 (1.7)	72196
No	11.3 (0.9)	11.3 (0.9)	90255
<b>AUDIT score</b>			
0 (non-drinkers)	15.1 (2.0)	15.0 (2.0)	28492
less than 8	11.6 (1.0)	11.6 (1.1)	94158
8 or more	10.5 (1.6)	11.1 (1.5)	36248
<b>Hypertension</b>			
Yes	26.8 (3.1)	16.0 (4.1)	40068
No	10.1 (0.9)	10.8 (0.9)	123762
<b>Diabetes</b>			
Yes	28.3 (5.6)	30.1 (10.6)	15684
No	11.3 (0.8)	11.6 (0.9)	148146
<b>Asthma**</b>			
Yes	16.5 (5.7)	18.2 (6.0)	17390
No	7.5 (0.9)	7.5 (0.9)	53301

\*Adjusted rates are adjusted for age, except where they are age specific.

\*\* This variable refers only to those aged between 15 and 44 years.

**Table 7: Admissions to any hospital in the last twelve months by sociodemographic variables for females: percent (standard errors)**

FEMALES	Unadj	Adj*	Pop Est
<b>Total</b>	17.2 (0.8)	17.1 (0.8)	249081
<b>Age</b>			
15-24 yr	16.0 (2.3)		41896
25-44 yr	17.5 (1.1)		102818
45-64 yr	16.1 (1.5)		60634
65-74 yr	14.6 (1.9)		18644
75 yr +	25.6 (3.2)		25089
<b>Ethnicity</b>			
European/ Pākehā	17.6 (0.9)	17.6 (1.0)	204818
Māori	18.4 (1.7)	17.4 (1.7)	27059
Pacific	16.0 (2.3)	16.3 (2.6)	10699
Other	8.8 (2.9)	14.4 (5.9)	6505
<b>NZDep96 score</b>			
1 (least deprived)	16.2 (1.8)	16.8 (1.9)	65602
2	15.9 (1.7)	16.0 (1.8)	59113
3	18.4 (1.5)	18.4 (1.6)	60427
4 (most deprived)	18.5 (1.2)	18.1 (1.2)	63939
<b>Family income</b>			
0-\$20,000	18.9 (1.4)	17.0 (1.4)	56383
\$21,000-30,000	17.3 (1.8)	18.3 (1.9)	35462
\$31,000-50,000	19.4 (1.8)	19.0 (1.9)	51544
\$50,001+	16.3 (1.8)	17.4 (3.0)	64235

**Table 7 (cont)**

FEMALES	Unadj	Adj*	Pop Est
<b>Smoking status</b>			
Current smoker	20.5 (1.5)	20.3 (1.6)	69155
Ex smoker	18.8 (1.9)	19.7 (2.3)	63842
Never smoked	15.0 (1.0)	15.1 (1.1)	115918
<b>Level of physical activity per week</b>			
0 mins	23.6 (2.5)	22.3 (2.4)	46412
1-149 mins	15.6 (1.3)	15.4 (1.3)	59260
150-299 mins	15.7 (1.6)	15.3 (1.5)	48632
300 + mins	16.8 (1.3)	17.0 (1.4)	94777
<b>Education</b>			
No qualifications	18.0 (1.4)	18.4 (1.5)	80394
School or post-school only	17.0 (1.4)	17.3 (1.4)	84882
School and post school	16.4 (1.4)	16.5 (1.4)	81609
<b>Self-rated health</b>			
Excellent or v good	13.4 (1.0)	13.1 (1.0)	112260
Good	19.0 (1.6)	19.2 (1.6)	80092
Fair or poor	30.8 (2.5)	28.6 (2.5)	51693
<b>Family type</b>			
Single with no children	15.3 (1.4)	15.5 (2.3)	70221
Single with children	18.2 (1.9)	17.6 (2.1)	26089
Couple with no children	15.6 (1.3)	15.0 (1.7)	61376
Couple with children	19.9 (1.6)	25.7 (3.7)	88313
<b>Location</b>			
Major urban	17.2 (0.9)	17.1 (0.9)	181068
Secondary urban	18.5 (3.4)	18.8 (3.5)	18019
Minor urban	15.2 (1.8)	15.3 (1.8)	19908
Rural	17.8 (2.7)	18.9 (3.1)	30086

**Table 7 (cont)**

<b>FEMALES</b>	Unadj	Adj*	Pop Est
<b>Community Services Card</b>			
Yes	18.8 (1.1)	18.4 (1.1)	133975
No	15.2 (1.1)	14.6 (1.1)	108872
<b>Health insurance</b>			
Yes	19.2 (1.5)	19.3 (1.6)	110896
No	16.0 (0.9)	15.4 (0.8)	137380
<b>AUDIT score</b>			
0 (non-drinkers)	18.6 (1.7)	17.8 (1.7)	59683
less than 8	15.8 (1.0)	15.8 (1.0)	152597
8 or more	22.7 (3.0)	19.2 (3.3)	29941
<b>Hypertension</b>			
Yes	22.8 (2.1)	28.1 (6.3)	41447
No	16.4 (0.9)	16.2 (0.8)	207288
<b>Diabetes</b>			
Yes	35.5 (4.9)	32.5 (6.0)	17413
No	16.5 (0.8)	16.5 (0.8)	231548
<b>Asthma**</b>			
Yes	19.1 (2.3)	18.8 (2.3)	28870
No	16.6 (1.2)	16.6 (1.2)	114526

\*Adjusted rates are adjusted for age, except where they are age specific.

\*\* This variable refers only to those aged between 15 and 44 years.