

## Analysis of Child Hospital Use Data Collected by the 1996/97 New Zealand Health Survey

**Table 1: Use of specific public hospital services over the previous twelve months by sex, age and ethnicity for children: 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>	24.9 (2.0)	/	211266	10.0 (1.2)	/	84489	13.3 (1.8)	/	113162	10.0 (1.1)	/	84365
<b>Sex:</b>												
Male	26.3 (2.5)	26.3 (2.8)	114467	11.5 (1.7)	11.5 (1.7)	50049	13.7 (2.0)	13.7 (2.0)	59713	11.3 (1.6)	11.3 (1.6)	49080
Female	23.5 (2.8)	23.5 (2.8)	96798	8.4 (1.4)	8.4 (1.4)	34440	13.0 (2.5)	13.0 (2.5)	53450	8.6 (1.5)	8.6 (1.5)	35285
<b>Age:</b>												
0-4 yrs	37.7 (3.1)	37.7 (3.1)	106017	18.8 (2.6)	18.8 (2.6)	52816	14.2 (2.1)	14.2 (2.1)	40003	14.7 (2.1)	14.7 (2.1)	41190
5-9 yrs	19.2 (3.8)	19.2 (3.8)	57077	6.2 (1.4)	6.2 (1.4)	18402	12.9 (3.7)	12.9 (3.7)	38245	7.6 (1.5)	7.6 (1.5)	22520
10-14 yrs	17.9 (2.6)	17.9 (2.6)	48172	4.9 (1.5)	4.9 (1.5)	13271	13.0 (2.2)	13.0 (2.2)	34914	7.7 (1.9)	7.7 (1.9)	20655
<b>Ethnicity:</b>												
European/Pākehā	25.1 (2.5)	25.5 (2.4)	136449	9.0 (1.3)	9.3 (1.4)	48973	15.4 (2.4)	15.5 (2.3)	83652	10.1 (1.3)	10.4 (1.4)	54763
Māori	27.6 (4.2)	25.6 (4.0)	51743	12.9 (2.8)	11.2 (2.4)	24147	12.2 (3.5)	11.8 (3.3)	22883	9.9 (2.2)	9.8 (2.3)	18522
Pacific	20.1 (4.9)	21.2 (5.2)	13163	9.8 (3.9)	8.9 (3.6)	6387	4.1 (1.9)	5.4 (2.6)	2664	10.2 (3.9)	10.9 (4.1)	6679

Other	19.1 (6.5)	18.7 (6.2)	9911	9.6 (4.7)	10.5 (5.1)	4982	7.6 (3.4)	8.3 (3.6)	3963	8.5 (4.8)	7.4 (4.2)	4400
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**\*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 sex, age and ethnicity for boys: percent (standard errors)**

BOYS	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>	26.3 (2.5)	26.3 (2.5)	114467	11.5 (1.7)	11.5 (1.7)	50049	13.7 (2.0)	13.7 (2.0)	59713	11.3 (1.6)	11.3 (1.6)	49080
<b>Age:</b>												
0-4 yrs	40.7 (4.0)	/	58808	19.4 (3.6)	/	28086	14.5 (3.0)	/	20973	17.2 (3.1)	/	24811
5-9 yrs	20.9 (4.4)	/	31957	8.7 (2.5)	/	13280	13.3 (4.2)	/	20313	10.0 (2.6)	/	15247
10-14 yrs	17.1 (3.3)	/	23703	6.3 (2.3)	/	8683	13.3 (3.0)	/	18427	6.5 (2.2)	/	9022
<b>Ethnicity:</b>												
European/Pākehā	25.6 (2.9)	26.0 (3.0)	70104	10.8 (2.2)	11.0 (2.2)	29476	14.4 (2.4)	14.6 (2.4)	39543	11.0 (2.0)	11.3 (2.0)	30206
Māori	30.0 (5.8)	29.3 (5.9)	32558	15.9 (3.9)	15.4 (3.8)	17208	14.2 (5.4)	14.6 (5.5)	15414	10.0 (2.8)	9.9 (2.8)	10896
Pacific	24.7 (7.2)	26.5 (7.7)	8088	6.1 (4.4)	4.6 (3.4)	2010	7.3 (3.7)	9.6 (4.8)	2392	17.4 (6.9)	18.1 (7.2)	5712
Other	18.1 (8.2)	16.4 (7.7)	3718	6.6 (6.3)	6.5 (6.2)	1355	11.5 (6.0)	9.9 (5.2)	2363	11.0 (7.4)	10.1 (7.0)	2266

\*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 sex, age and ethnicity for girls: percent (standard errors)**

GIRLS	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>	23.5 (2.8)	23.5 (2.8)	96798	8.4 (1.4)	8.4 (1.4)	34440	13.0 (2.5)	13.0 (2.5)	53450	8.6 (1.5)	8.6 (1.5)	35285
<b>Age:</b>												
0-4 yrs	34.6 (4.6)	\	47209	18.1 (3.6)	\	24729	13.9 (3.0)	\	19030	12.0 (2.8)	\	16379
5-9 yrs	17.3 (6.1)	\	25120	3.5 (1.3)	\	5123	12.4 (6.2)	\	17932	5.0 (1.7)	\	7273
10-14 yrs	18.7 (4.0)	\	24470	3.5 (1.7)	\	4587	12.6 (3.2)	\	16488	8.9 (3.2)	\	11633
<b>Ethnicity:</b>												
European/Pākehā	24.6 (3.7)	25.0 (3.6)	66345	7.2 (1.5)	7.6 (1.6)	19497	16.4 (3.5)	16.4 (3.4)	44109	9.1 (1.9)	9.4 (2.0)	24557
Māori	24.3 (5.7)	21.7 (5.4)	19186	8.8 (3.6)	6.8 (2.7)	6939	9.5 (3.7)	8.8 (3.5)	7469	9.7 (3.4)	9.6 (3.6)	7626
Pacific	15.5 (6.2)	15.7 (6.2)	5075	13.4 (6.3)	13.4 (6.2)	4376	0.8 (0.9)	0.9 (0.9)	272	3.0 (2.2)	3.2 (2.4)	967
Other	19.7 (8.8)	21.1 (9.1)	6193	11.6 (6.7)	14.7 (8.2)	3628	5.1 (3.9)	6.5 (4.9)	1600	6.8 (6.1)	4.7 (4.2)	2134

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



**Table 4: Use of private hospital services and doctors' after hours clinics by age, sex and ethnicity for children: percent (standard errors)**

	USED A SERVICE AT A PRIVATE HOSPITAL			USED A PRIVATE A&E OR DOCTORS' AFTER HOURS CLINIC		
	Unadj	Adj*	Pop Est	Unadj	Adj*	Pop Est
<b>Total</b>	1.9 (0.5)		15900	19.7 (1.9)		167051
<b>Sex:</b>						
Male	2.2 (0.6)	2.2 (0.6)	9740	18.2 (2.0)	18.2 (2.0)	79279
Female	1.5 (0.8)	1.5 (0.8)	6160	21.3 (3.0)	21.3 (3.0)	87772
<b>Age:</b>						
0-4 yrs	1.6 (0.6)	1.6 (0.6)	4552	25.7 (2.6)	25.7 (2.6)	72174
5-9 yrs	3.0 (1.3)	3.0 (1.3)	8916	19.6 (3.8)	19.6 (3.8)	58234
10-14 yrs	0.9 (0.5)	0.9 (0.5)	2431	13.7 (2.6)	13.7 (2.6)	36643
<b>Ethnicity:</b>						
European/Pākehā	1.9 (0.5)	1.9 (0.5)	10286	23.6 (2.6)	23.8 (2.5)	127924
Māori	2.8 (1.7)	3.3 (2.3)	5288	12.8 (2.7)	13.0 (3.1)	23916
Pacific	0.0 (0.0)	0.0 (0.0)	0	12.3 (3.9)	11.9 (3.9)	8026
Other	0.6 (0.6)	0.7 (0.7)	326	13.8 (5.2)	18.0 (6.7)	7185

\*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 hospital in the last twelve months by age, sex and ethnicity for children: percent (standard errors)**

	Unadj	Adj*	Pop Est
<b>Total</b>	10.9 (1.2)		92771
<b>Sex:</b>			
Male	13.0 (1.8)	13.0 (1.8)	56737
Female	8.7 (1.5)	8.7 (1.5)	36034
<b>Age:</b>			
0-4 yrs	20.2 (2.7)	20.2 (2.7)	56832
5-9 yrs	7.1 (1.5)	7.1 (1.5)	21108
10-14 yrs	5.5 (1.5)	5.5 (1.5)	14831
<b>Ethnicity:</b>			
European/Pākehā	10.3 (1.4)	10.7 (1.4)	55998
Māori	13.6 (2.8)	11.8 (2.5)	25405
Pacific	9.8 (3.9)	8.9 (3.6)	6387
Other	9.6 (4.7)	10.5 (5.1)	4982

\*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 6: Admissions to hospital in the last twelve months by age, sex and ethnicity for boys: percent (standard errors)**

<b>BOYS</b>	<b>Unadj</b>	<b>Adj*</b>	<b>Pop Est</b>
<b>Total</b>	13.0 (1.8)	13.0 (1.8)	56737
<b>Age:</b>			
0-4 yrs	21.6 (3.7)		31184
5-9 yrs	10.0 (2.6)		15310
10-14 yrs	7.4 (2.4)		10244
<b>Ethnicity:</b>			
European/Pākehā	12.8 (2.2)	13.1 (2.3)	35105
Māori	16.8 (3.9)	16.4 (3.9)	18268
Pacific	6.1 (4.4)	4.6 (3.4)	2010
Other	6.6 (6.3)	6.5 (6.2)	1355

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

**Table 7: Admissions to hospital in the last twelve months by age, sex and ethnicity for girls: percent (standard errors)**

<b>GIRLS</b>	<b>Unadj</b>	<b>Adj*</b>	<b>Pop Est</b>
<b>Total</b>	8.7 (1.5)	8.7 (1.5)	36034
<b>Age:</b>			
0-4 yrs	18.8 (3.7)		25648
5-9 yrs	4.0 (1.4)		5798
10-14 yrs	3.5 (1.7)		4587
<b>Ethnicity:</b>			
European/Pākehā	7.8 (1.6)	8.1 (1.6)	20893
Māori	9.1 (3.6)	7.0 (2.7)	7137
Pacific	13.4 (6.3)	13.4 (6.2)	4376
Other	11.6 (6.7)	14.7 (8.2)	3628

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