

## Appendix 2: Survey Sample Sizes and Population Counts

Tables A2.1 to A2.5 contain the 2006/07 New Zealand Health Survey sample sizes and the total usually resident population counts (as of 31 June 2007) for the population groups in this report; that is, grouped by gender, age, ethnicity, NZDep2006 quintile and DHB area.

Tables A2.6 and A2.7 contain the sample sizes of previous health surveys used in the time series analyses in this report.

Due to the complex sample design of the survey, the sample size is not the only determinant of the reliability of the results. The geographic clustering of the sample, the unequal probabilities of selection, and the boosted sampling of Māori, Pacific and Asian peoples in the survey also affect the precision of estimates. Refer to the methodology report for more information ([www.moh.govt.nz/moh.nsf/indexmh/portrait-of-health](http://www.moh.govt.nz/moh.nsf/indexmh/portrait-of-health)).

Table A2.1: Sample sizes and population counts for children and adults, by gender

Population group	Gender	Sample size	Population
Children (0–14 years)	Boys	2589	437200
	Girls	2332	417200
	<b>Total</b>	<b>4921</b>	<b>854400</b>
Adults (15 years and over)	Men	5273	1497600
	Women	7215	1623100
	<b>Total</b>	<b>12488</b>	<b>3120700</b>

Table A2.2: Sample sizes and population counts, by ethnic group and gender

Ethnic group	Gender	Sample size	Population
European / Other	Boys	1600	329300
	Girls	1439	316100
	Men	3652	1227600
	Women	4941	1324000
Māori	Boys	1040	100500
	Girls	943	95100
	Men	1205	164800
	Women	1955	190600
Pacific	Boys	435	50800
	Girls	363	48600
	Men	433	78400
	Women	600	86300
Asian	Boys	385	39300
	Girls	357	37100
	Men	657	130200
	Women	856	148800

Table A2.3: Sample sizes and population counts, by age group and gender

Age group	Gender	Sample size	Population
< 2 years	Boys	380	53800
	Girls	366	58400
2–4 years	Boys	517	89100
	Girls	441	78400
0–4 years	Boys	897	142900
	Girls	807	136700
5–9 years	Boys	748	145400
	Girls	728	138600
10–14 years	Boys	944	148900
	Girls	797	141800
15–17 years	Men	271	100900
	Women	293	98500
18–24 years	Men	439	176900
	Women	660	176900
15–24 years	Men	710	277900
	Women	953	275400
25–34 years	Men	785	240300
	Women	1295	267500
35–44 years	Men	1108	286900
	Women	1469	322600
45–54 years	Men	923	269500
	Women	1156	286500
55–64 years	Men	744	205300
	Women	985	212800
65–74 years	Men	598	129000
	Women	706	139100
75 years and over	Men	405	88800
	Women	651	119200

Table A2.4: Sample sizes and population counts, by NZDep2006 quintile and gender

NZDep2006 quintile	Gender	Sample size	Population
Quintile 1 (least deprived neighbourhoods)	Boys	380	96600
	Girls	353	86500
	Men	894	324800
	Women	1117	349400
Quintile 2	Boys	409	78000
	Girls	346	76300
	Men	947	298000
	Women	1175	310800
Quintile 3	Boys	489	82700
	Girls	437	83200
	Men	1065	314500
	Women	1436	330300
Quintile 4	Boys	518	80800
	Girls	535	83800
	Men	1116	298800
	Women	1615	340900
Quintile 5 (most deprived neighbourhoods)	Boys	793	99100
	Girls	661	87400
	Men	1251	261500
	Women	1872	291800

Table A2.5: Sample sizes and population counts, by District Health Board area

District Health Board area	Age group	Sample size	Population
Northland / Lakes / Tairāwhiti / Hawke's Bay / Whanganui	0–14	982	115500
	15 +	2426	375600
Waitemata	0–14	522	104000
	15 +	1213	378800
Auckland	0–14	425	74600
	15 +	1104	322600
Counties Manukau	0–14	672	111200
	15 +	1301	322400
Waikato	0–14	589	76200
	15 +	1417	259400
Bay of Plenty / Taranaki / MidCentral	0–14	597	98500
	15 +	1643	351400
Wairarapa / Hutt Valley / Capital and Coast	0–14	469	89400
	15 +	1264	346600
Canterbury	0–14	328	90900
	15 +	1019	371100
Nelson Marlborough / West Coast / South Canterbury / Otago / Southland	0–14	337	94000
	15 +	1101	392900

Table A2.6 Sample sizes in previous surveys used in time trends, total population, by gender

Population group	Gender	Sample size				
		1996/97 NZHS	1997 NNS	2002/03 NZHS	2002 CNS	2006/07 NZHS
Children (0–14 years)	Boys	548	–	–	1697	2589
	Girls	471	–	–	1578	2332
	<b>Total</b>	<b>1019</b>	<b>–</b>	<b>–</b>	<b>3275</b>	<b>4921</b>
Adults (15 years and over)	Men	3258	1927	5075	–	5273
	Women	4604	2709	7854	–	7215
	<b>Total</b>	<b>7862</b>	<b>4636</b>	<b>12929</b>	<b>–</b>	<b>12488</b>

Note: NZHS = New Zealand Health Survey  
 NNS = National Nutrition Survey  
 CNS = National Children’s Nutrition Survey, only 5–14 year olds  
 – indicates data was not collected for that age group

Table A2.7 Sample sizes in previous surveys used in time trends, Māori population, by gender

Population group	Gender	Sample size				
		1996/97 NZHS	1997 NNS	2002/03 NZHS	2002 CNS	2006/07 NZHS
Children (0–14 years)	Boys	132	–	–	631	1040
	Girls	99	–	–	593	943
	<b>Total</b>	<b>231</b>	<b>–</b>	<b>–</b>	<b>1224</b>	<b>1983</b>
Adults (15 years and over)	Men	510	268	1550	–	1205
	Women	811	436	2819	–	1955
	<b>Total</b>	<b>1321</b>	<b>704</b>	<b>4369</b>	<b>–</b>	<b>3160</b>

Note: NZHS = New Zealand Health Survey  
 NNS = National Nutrition Survey  
 CNS = National Children’s Nutrition Survey, only 5–14 year olds  
 – indicates data was not collected for that age group