

REGIONAL BIRTHS

Introduction

The following section provides an overview of births in the region by ethnicity, maternal age, and NZ Deprivation Index decile using information from the birth registration dataset.

Data Sources and Methods

Indicator

Distribution of live births by ethnicity, NZ Deprivation Index (NZDep) decile, and maternal age

Data source

Birth registration dataset

Notes on Interpretation

Note 1: In this analysis, NZDep2006 decile has been assigned on the basis of Domicile Code / Census Area Unit (CAU ≈1,000–2,000 people). In regions where there were no births in e.g. decile 10 CAUs, there may still have been babies born into decile 10 meshblocks (smaller areas of ≈100 people), however, when these meshblocks were aggregated into CAUs, the CAU may not have a decile 10 ranking overall.

Note 2: The numbers of births presented here may vary slightly from those presented in previous years. The Ministry of Health no longer provides information on stillbirths in the birth registration dataset due to concerns about data quality. For this reason the current analysis is restricted to live births, rather than total births (including stillbirths) which were presented in previous years.

Note 3: Year is year of birth registration rather than year of birth.

New Zealand vs. South Island DHBs Distribution

Regional Trends

In the South Island during 2013, Canterbury (n=5,941) had the highest number of births registered, while West Coast (n=392) had the lowest. The number of births in all five DHBs were higher in 2013 than in 2000 (**Table 1–Table 3**).

Table 1. Distribution of live births by ethnicity, Nelson Marlborough 2000–2013

Year	Māori	Pacific	Asian/Indian	European	Other	Not stated	Total
Nelson Marlborough							
2000	289	27	32	1,188	7	<3	1,544
2001	269	13	41	1,157	6	<3	1,488
2002	251	22	44	1,118	6	<3	1,442
2003	298	27	40	1,145	7	6	1,523
2004	316	47	41	1,208	10	<3	1,623
2005	292	41	50	1,116	12	3	1,514
2006	287	38	43	1,131	68	<3	1,569
2007	334	53	74	1,222	33	<3	1,718
2008	357	40	63	1,253	40	3	1,756
2009	337	60	70	1,159	31	3	1,660
2010	345	48	100	1,186	46	0	1,725
2011	357	50	88	1,113	39	0	1,647
2012	337	50	88	1,035	31	0	1,541
2013	340	50	87	1,049	30	0	1,556

Source: Birth registration dataset; Note: Year is year of birth registration



Table 2. Distribution of live births by ethnicity, South Canterbury and Canterbury 2000–2013

Year	Māori	Pacific	Asian/Indian	European	Other	Not stated	Total
South Canterbury							
2000	105	6	16	494	4	0	625
2001	68	7	16	497	3	0	591
2002	76	5	10	454	<3	<3	547
2003	72	9	13	492	5	<3	592
2004	86	8	18	453	4	0	569
2005	97	6	20	463	3	0	589
2006	105	8	12	463	16	<3	606
2007	97	17	21	522	17	<3	675
2008	106	6	19	498	13	<3	643
2009	106	13	22	506	7	0	654
2010	102	14	12	488	11	0	627
2011	97	9	14	448	18	0	586
2012	110	19	25	464	8	0	626
2013	126	23	23	442	15	0	629
Canterbury							
2000	874	201	256	4,150	45	6	5,532
2001	820	182	244	4,330	63	4	5,643
2002	864	173	253	3,982	51	11	5,334
2003	856	214	343	4,167	65	4	5,649
2004	1,067	227	392	4,285	81	10	6,062
2005	937	245	364	4,400	87	8	6,041
2006	1,120	245	385	4,232	202	12	6,196
2007	1,256	258	508	4,719	147	5	6,893
2008	1,191	296	518	4,488	160	5	6,658
2009	1,128	267	525	4,426	175	7	6,528
2010	1,179	326	596	4,400	176	3	6,680
2011	1,090	264	612	4,004	143	<3	6,114
2012	1,023	314	687	3,891	116	<3	6,032
2013	1,047	282	739	3,733	139	<3	5,941

Source: Birth registration dataset; Note: Year is year of birth registration



Table 3. Distribution of live births by ethnicity, West Coast and Southern DHBs 2000–2013

Year	Māori	Pacific	Asian/Indian	European	Other	Not stated	Total
West Coast							
2000	65	4	<3	289	<3	0	361
2001	83	<3	4	307	0	<3	396
2002	56	3	5	266	0	0	330
2003	57	<3	<3	272	<3	0	334
2004	71	0	9	318	<3	0	399
2005	71	<3	7	258	3	<3	341
2006	69	6	7	302	13	<3	398
2007	74	8	9	299	16	<3	408
2008	82	<3	14	336	18	<3	452
2009	87	4	10	320	9	<3	432
2010	91	9	13	308	11	0	432
2011	106	7	13	303	6	0	435
2012	89	8	15	305	<3	0	419
2013	87	12	12	272	9	0	392
Southern							
2000	502	82	86	2,740	21	4	3,435
2001	569	83	74	2,517	12	8	3,263
2002	559	91	79	2,533	19	4	3,285
2003	588	88	102	2,496	16	0	3,290
2004	629	96	92	2,611	26	4	3,458
2005	677	74	104	2,540	23	<3	3,419
2006	684	115	88	2,440	113	<3	3,441
2007	755	103	133	2,654	94	3	3,742
2008	747	109	144	2,645	93	8	3,746
2009	730	125	163	2,635	77	3	3,733
2010	731	133	179	2,629	97	3	3,772
2011	739	127	177	2,575	91	<3	3,710
2012	764	124	203	2,464	64	<3	3,620
2013	693	138	194	2,372	79	<3	3,478

Source: Birth registration dataset; Note: Year is year of birth registration

Distribution by Ethnicity, Maternal Age, and NZDep Index Decile

In the South Island during 2013, the West Coast had the highest proportion of Māori babies registered (22.2%), while Canterbury had the highest proportion of Pacific (4.7%), and Asian/Indian (12.4%) babies registered. South Canterbury had the highest proportion of European (70.3%), and Other (2.4%) babies registered (**Table 4**).

During the same period, the West Coast (8.2%) had the highest proportion of babies born to teenage mothers, while Southern DHB (4.5%) had the lowest (**Table 4**).

The West Coast (24.7%), followed by Canterbury (14.7%) had the highest proportion of babies born in the most deprived (NZDep deciles 9–10) areas, while South Canterbury had the lowest (5.1%) (**Table 4**).



Table 4. Distribution of live births by ethnicity, maternal age, and NZ Deprivation Index decile, South Island DHBs vs. New Zealand 2013

Variable	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
	Nelson Marlborough		South Canterbury		Canterbury		West Coast		Southern		New Zealand	
Ethnicity												
Māori	340	21.9	126	20.0	1,047	17.6	87	22.2	693	19.9	17,149	28.7
Pacific	50	3.2	23	3.7	282	4.7	12	3.1	138	4.0	6,438	10.8
Asian/Indian	87	5.6	23	3.7	739	12.4	12	3.1	194	5.6	8,707	14.6
European	1,049	67.4	442	70.3	3,733	62.8	272	69.4	2,372	68.2	26,036	43.6
Other	30	1.9	15	2.4	139	2.3	9	2.3	79	2.3	1,358	2.3
*Total	1,556	100.0	629	100.0	5,940	100.0	392	100.0	3,476	100.0	59,688	100.0
Maternal age												
<20 years	78	5.0	36	5.7	259	4.4	32	8.2	156	4.5	3,343	5.6
20–24 years	273	17.5	126	20.0	870	14.6	79	20.2	586	16.8	10,924	18.3
25–29 years	402	25.8	191	30.4	1,579	26.6	106	27.0	943	27.1	15,469	25.9
30–34 years	451	29.0	164	26.1	1,844	31.0	97	24.7	1,053	30.3	16,982	28.4
35+ years	352	22.6	112	17.8	1,389	23.4	78	19.9	740	21.3	12,983	21.7
*Total	1,556	100.0	629	100.0	5,941	100.0	392	100.0	3,478	100.0	59,701	100.0
NZ Deprivation Index decile												
Decile 1	32	2.1	64	10.2	731	12.3	12	3.1	458	13.2	4,055	6.8
Decile 2	129	8.3	0	0.0	674	11.3	15	3.8	387	11.1	4,972	8.4
Decile 3	217	13.9	185	29.4	495	8.3	5	1.3	502	14.4	4,880	8.2
Decile 4	193	12.4	4	0.6	815	13.7	74	18.9	369	10.6	4,945	8.3
Decile 5	192	12.3	72	11.4	693	11.7	82	20.9	364	10.5	5,805	9.8
Decile 6	253	16.3	86	13.7	251	4.2	25	6.4	274	7.9	5,492	9.2
Decile 7	130	8.4	100	15.9	737	12.4	47	12.0	417	12.0	6,208	10.4
Decile 8	312	20.1	86	13.7	669	11.3	35	8.9	391	11.2	7,647	12.9
Decile 9	98	6.3	32	5.1	653	11.0	93	23.7	256	7.4	7,412	12.5
Decile 10	0	0.0	0	0.0	223	3.8	4	1.0	60	1.7	8,088	13.6
*Total	1,556	100.0	629	100.0	5,941	100.0	392	100.0	3,478	100.0	59,504	100.0

Source: Birth registration dataset; Note: *Total: Some totals may differ due to a small number of births with missing information; Decile is NZDep2006

