# NSW Mothers and Babies 2012





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### 2. EXECUTIVE SUMMARY

This is the fifteenth annual report on mothers and babies in NSW. The key findings are:

- The number of births in NSW rose from 96,343 in 2008 to 99,510 in 2012; an overall increase of 3.3%. The largest increase occurred in the Western Sydney Local Health District where the number of births increased from 13,312 to 14,601 between 2008 and 2012.
- The percentage of mothers who were teenagers fell from 3.5% in 2008 to 3.2% in 2012. Over the same period the percentage of mothers aged 35 years increased slightly from 23.5% to 24.2%.
- The rate of normal vaginal birth decreased from 59.2% in 2008 to 57.1% in 2012. The caesarean section rate increased from 29.5% to 31.1%, while the rate of instrumental birth increased from 10.9% to 11.4%.
- Operative and instrumental births were more common among privately than publicly insured mothers. Among privately insured mothers the rate of normal vaginal birth fell from 46.6% in 2008 to 45.3% in 2012 and the caesarean section rate increased from 38.4% to 40.8%. Among publicly insured mothers the rate of normal vaginal birth fell from 65.7% to 63.3% and the caesarean section rate rose from 24.8% to 26.1%
- The proportion of mothers reporting any smoking during pregnancy declined from 12.7% in 2008 to 10.4% in 2012. Of mothers who smoked during pregnancy in 2012, 25.1% stopped smoking in the first half of pregnancy.
- In 2012, the majority of mothers planned to give birth in a hospital labour ward, and 3.5% of mothers planned to give birth in a birth centre. Eighty-three per cent of mothers who planned to give birth in a birth centre actually did so. There were 202 homebirths in NSW reported in 2012.

- In 2012, 7.6% of babies were born prematurely (less than 37 weeks gestation). This is the same as in 2008.
- Since 2008, the rate of low birth weight (less than 2,500 grams) fluctuated between 6.0% and 6.3%. The rate of low birth weight was 6.1% in 2012.
- Between 2008 and 2012, the number of reported births to Aboriginal or Torres Strait Islander mothers rose from 3,015 to 3,399, representing 3.1% and 3.4% respectively of all babies born in NSW.
- The percentage of Aboriginal or Torres Strait Islander mothers who were teenagers fell from 19.8% in 2008 to 18.6% in 2012. The percentage of mothers giving birth at 35 years of age or more has decreased from 9.3% in 2008 to 8.1% in 2012.
- In 2012, 49.9% of Aboriginal or Torres Strait Islander mothers reported smoking at some time during pregnancy.
- Since 2008, the rates of low birth weight and prematurity in Aboriginal or Torres Strait Islander babies have been over 10%. In 2012, 11.0% of Aboriginal or Torres Strait Islander babies were low birth weight and 13.2% were premature.
- The perinatal mortality rate of 12.7 per 1,000 births in Aboriginal or Torres Strait Islander mothers in 2012 is substantially higher than the rate of 7.9 per 1,000 births experienced among babies born to non-Aboriginal or Torres Strait Islander mothers.

### 3. METHODS

#### Data sources

#### **NSW Perinatal Data Collection**

The New South Wales Perinatal Data Collection (PDC) is a population-based surveillance system covering all births in NSW public and private hospitals, as well as home births. It encompasses all live births and stillbirths of at least 20 weeks gestation or at least 400 grams birth weight.

The PDC relies on the attending midwife or doctor to complete a notification form when a birth occurs. The form, a copy of which is shown at Appendix 4, includes demographic items and items on maternal health, the pregnancy, labour, birth, and perinatal outcomes. Completed forms are sent to the Health System Information and Performance Reporting Branch within the System Purchasing and Performance Division of the NSW Ministry of Health where they are compiled into the PDC database

In 2012, 86.8% of PDC records were received electronically from hospital obstetric information systems. These records were received by secure upload to the state database or encrypted via email. There are several source systems that generate the PDC data. The largest source is ObstetriX, which supplies 57.4% of all PDC records and covers all public hospitals in Northern Sydney, Central Coast, South Eastern Sydney, Illawarra Shoalhaven, Hunter New England, Nepean Blue Mountains and Western Sydney Local Health Districts and some hospitals in Mid North Coast, Northern NSW, Murrumbidgee, Southern NSW, Western NSW and Far West Local Health Districts. Other source systems include: Cerner (Sydney and South Western Sydney Local Health Districts), 18.2%; Meditech, which supplies data for 6 Ramsay Private Hospitals (North Shore Private Hospital, Westmead Private Hospital, St George Private Hospital, Kareena Private Hospital, Figtree Private Hospital and Tamara Private Hospital), 8.5%; Sydney Adventist Hospital database, 2.1%; and Newcastle Private Hospital database, 2.1%. Approximately 13% of records were received by paper forms.

The PDC receives notifications of women whose usual place of residence is outside NSW but who give birth in NSW; however, the PDC does not receive notifications of births outside NSW to women usually resident in NSW.

#### Maternal and Child Health Register

The Maternal and Child Health Register is a dataset of linked de-identified records established under the Public Health and Disease Registers provisions of the NSW Public Health Act 2010. It includes records from the following data collections for children and young people aged less than 16 years and females aged 12 to 55 years:

- NSW Perinatal Data Collection for the period 1994 onwards (all records);
- NSW Admitted Patient Data Collection (public hospitals and the NSW Private Hospital Inpatient Statistics Collection for the period 1July 2000 onwards) (children and young people aged less than 16 years and females aged 12 to 55 years);
- NSW Emergency Department Data Collection for the period 1 July 2005 onwards (children and young people aged less than 16 years and females aged 12 to 55 years);
- NSW Register of Congenital Conditions for the most recently available 6 year period (all records);
- NSW Perinatal Death Review database for the period 1 January 2000 onwards (all records);
- Notifiable Conditions Information Management System for the period 1994 onwards (children and young people aged less than 16 years and females aged 12 to 55 years);
- NSW Registry of Births, Deaths and Marriages death registrations for the period 1994 onwards (children and young people aged less than 16 years and females aged 12 to 55 years);
- Australian Bureau of Statistics Cause of Death Unit Record File for the period 1994 to 2005 and the Australian Coordinating Registry Cause of Death Unit Record File for the period 2006 onwards (children and young people aged less than 16 years and females aged 12 to 55 years).

#### **NSW Maternal and Perinatal Committee**

The NSW Maternal and Perinatal Committee is a quality assurance committee established under the NSW Health Administration Act 1982. It is privileged under the Act to carry out confidential reviews of both maternal and perinatal deaths. Members are appointed by the Minister for Health.

The Committee reviews each maternal death to identify any possible avoidable factors and to determine whether the death was related to pregnancy (or its management) or whether it was incidental. The Committee also reviews perinatal deaths among live born babies and stillbirths of at least 20 weeks gestation or at least 400 grams birth weight. The information obtained from these reviews assists in the development of policies aimed at improving the health of mothers and newborns in NSW. Information considered by the Committee is confidential.

### **Enhanced Reporting of Aboriginality** on Public Health Registries

An Enhanced Reporting of Aboriginality (ERA) variable is available on the Maternal and Child Heath Register. This variable uses linkage with routinely collected population-based health and health-related data collections in NSW to obtain more accurate information about Aboriginal people than is currently available, and thus to more accurately identify and monitor risk factors for diseases and conditions that are different for Aboriginal people compared with non-Aboriginal people.

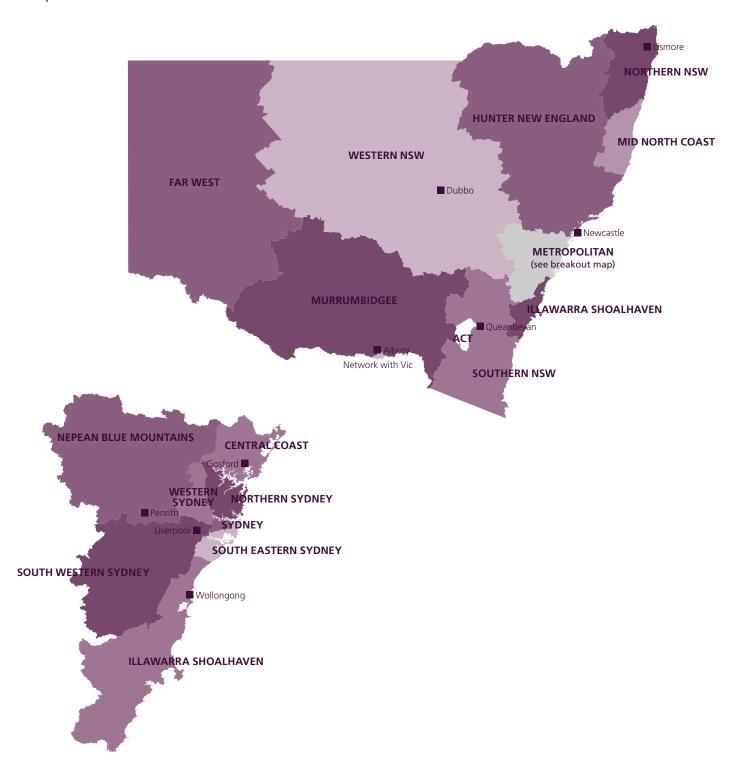
Enhanced reporting relies on having independent sources of information on whether a person is Aboriginal or Torres Strait Islander.1 Each independent report is counted as a "unit of information" that contributes to the weight of evidence as to whether a person is reported as Aboriginal or Torres Strait Islander. ERA uses the following algorithm to determine whether a person is reported as Aboriginal:

- 1. If a person is consistently reported as Aboriginal or Torres Strait Islander on all contributing sources of data then the person is reported as Aboriginal or Torres Strait Islander;
- 2. If the person is not consistently reported as Aboriginal or Torres Strait islander, then:
  - i) if the person has 3 or more units of information across all contributing data sets, at least 2 indicating that the person is Aboriginal or Torres Strait Islander are required to report the person as Aboriginal or Torres Strait Islander;
  - ii) otherwise, if the person has 1 or 2 units of information in all contributing data sets, 1 is sufficient to report the person as Aboriginal or Torres Strait Islander.
- 3. If a person is consistently reported as unknown, not stated or the information is missing on all contributing data sets, then the person's Aboriginality is reported as "missing".

For mothers and babies, ERA is based on the weight of evidence from linked records of the Perinatal Data Collection, Admitted Patient Data Collection, Emergency Department Data Collection, ABS mortality data, Australian Coordinating Registry Cause of Death Unit Record File, Notifiable Conditions Information Management System and RBDM Birth Registration data.

<sup>1.</sup> Population and Public Health Division. Improved reporting of Aboriginal and Torres Strait Islander peoples on population datasets in New South Wales using record linkage—a feasibility study. Sydney: NSW Ministry of Health, 2012.

### Map of NSW Local Health Districts



### 4. TRENDS IN NEW SOUTH WALES

#### Confinements and births by plurality

The number of births in NSW rose from 96,343 in 2008 to 99,510 in 2012; a rise of 3.3%. In 2012, 99,510 births to 98,141 mothers were reported (Table 1). The percentage of multiple (twin and triplet) pregnancies has remained fairly stable over recent years at about 1.4%.

TABLE 1: PLURALITY, NSW 2008-2012

	Year												
Plurality	2008		2009		20	10	201	1	2012				
	No.	%											
Confinements													
Singleton	93411	98.5	93677	98.6	93527	98.5	94429	98.5	96793	98.6			
Twins	1428	1.5	1339	1.4	1446	1.5	1383	1.4	1327	1.4			
Triplets	24	0.0	24	0.0	22	0.0	23	0.0	21	0.0			
Quadruplets	1	0.0	3	0.0	1	0.0	0	0.0	0	0.0			
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0			
Births													
Singleton	93411	97.0	93677	97.1	93527	96.9	94429	97.1	96793	97.3			
Twins	2856	3.0	2678	2.8	2892	3.0	2747	2.8	2654	2.7			
Triplets	72	0.1	72	0.1	66	0.1	69	0.1	63	0.1			
Quadruplets	4	0.0	12	0.0	4	0.0	0	0.0	0	0.0			
TOTAL	96343	100.0	96439	100.0	96489	100.0	97245	100.0	99510	100.0			

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Local Health District of residence

The largest increase occurred in the Western Sydney Local Health District where the number of births increased from 13,312 to 14,601 between 2008 and 2012. In 2012, 28.3% of mothers giving birth were resident in South Western Sydney and Western Sydney Local Health Districts, similar to previous years (Table 2).

TABLE 2: MATERNAL LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2008–2012

	Year												
Local Health District	2008		2009		201	0	20	11	2012				
	No.	%											
Sydney	8472	8.9	8473	8.9	8524	9.0	8537	8.9	8769	8.9			
South Western Sydney	12989	13.7	12743	13.4	12554	13.2	12647	13.2	13176	13.4			
South Eastern Sydney	10972	11.6	11278	11.9	11358	12.0	11309	11.8	11878	12.1			
Illawarra Shoalhaven	4439	4.7	4420	4.7	4403	4.6	4467	4.7	4476	4.6			
Western Sydney	13312	14.0	13573	14.3	13817	14.5	14321	14.9	14601	14.9			
Nepean Blue Mountains	4767	5.0	4819	5.1	4743	5.0	4881	5.1	4788	4.9			
Northern Sydney	10397	11.0	10372	10.9	10613	11.2	10308	10.8	10653	10.9			
Central Coast	3955	4.2	3949	4.2	3776	4.0	3914	4.1	3823	3.9			
Hunter New England	10680	11.3	10559	11.1	10826	11.4	11116	11.6	11328	11.5			
Northern NSW	2990	3.2	2940	3.1	2845	3.0	2832	3.0	2786	2.8			
Mid North Coast	2333	2.5	2252	2.4	2289	2.4	2333	2.4	2243	2.3			
Southern NSW	1453	1.5	1421	1.5	1366	1.4	1387	1.4	1450	1.5			
Murrumbidgee	2593	2.7	2616	2.8	2515	2.6	2402	2.5	2402	2.4			
Western NSW	3788	4.0	3708	3.9	3717	3.9	3685	3.8	3879	4.0			
Far West	272	0.3	243	0.3	254	0.3	218	0.2	255	0.3			
Other-not stated	1452	1.5	1677	1.8	1396	1.5	1478	1.5	1634	1.7			
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0			

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Maternal age

The percentage of mothers who were teenagers fell slightly from 3.5% in 2008 to 3.2% in 2012. Between 2008 and 2010, the percentage of mothers aged 35 years and over increased from 23.5% to 24.2%. This was followed by a decrease back to 23.6% in 2012 (Figure 1, Table 3).

The mean maternal age rose from 30.1 to 30.3 years over the 5 years 2008 to 2012. The mean maternal age rose slightly from 28.4 to 28.7 years for primiparous mothers and from 31.3 to 31.5 years for multiparous mothers.

The proportion of mothers giving birth for the first time who were aged 35 years or more increased from 15.3% to 15.8% between 2008 and 2010 then returned to 15.3% in 2012. The proportion of multiparous mothers who were aged 35 years or more increased slightly from 29.4% in 2008 to 30.1% in 2012.

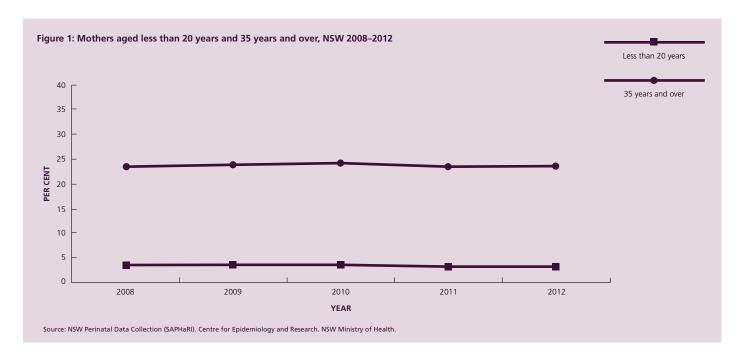


TABLE 3: MATERNAL AGE, NSW 2008-2012

	Year													
Maternal age (years)	2008		2009		201	10	201	1	2012					
(3 5 4.15)	No.	%												
Less than 15	29	0.0	23	0.0	17	0.0	19	0.0	18	0.0				
15–19	3331	3.5	3271	3.4	3182	3.3	3080	3.2	3144	3.2				
20–24	13118	13.8	12649	13.3	12776	13.4	12508	13.1	12694	12.9				
25–29	25405	26.8	25836	27.2	25811	27.2	26513	27.7	26769	27.3				
30–34	30649	32.3	30590	32.2	30205	31.8	31209	32.6	32385	33.0				
35–39	18582	19.6	18726	19.7	18924	19.9	18299	19.1	18534	18.9				
40–44	3581	3.8	3743	3.9	3890	4.1	3957	4.1	4314	4.4				
45+	158	0.2	190	0.2	177	0.2	224	0.2	266	0.3				
Not stated	11	0.0	15	0.0	14	0.0	26	0.0	17	0.0				
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0				

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Maternal country of birth

The percentage of mothers born in Australia decreased between 2008 and 2012, from 69.3% to 65.0%. In 2012, mothers born in China, India, New Zealand, the United Kingdom, and Vietnam together accounted for 13.8% of all mothers (Table 4).

TABLE 4: MATERNAL COUNTRY OF BIRTH, NSW 2008-2012#

					Year					
Country of birth	2008		2009		2010		2011		2012	
	No.	%								
Australia	65700	69.3	64884	68.3	63945	67.3	63611	66.4	63799	65.0
China	2321	2.4	2586	2.7	2899	3.1	3281	3.4	4145	4.2
India	1940	2.0	2342	2.5	2753	2.9	3081	3.2	3142	3.2
New Zealand	2388	2.5	2378	2.5	2281	2.4	2237	2.3	2246	2.3
United Kingdom	2532	2.7	2587	2.7	2491	2.6	2234	2.3	2185	2.2
Vietnam	1699	1.8	1661	1.7	1413	1.5	1506	1.6	1861	1.9
Philippines	1373	1.4	1417	1.5	1401	1.5	1386	1.4	1494	1.5
Lebanon	1557	1.6	1391	1.5	1409	1.5	1373	1.4	1337	1.4
Iraq	925	1.0	869	0.9	936	1.0	970	1.0	981	1.0
Indonesia	743	0.8	731	0.8	783	0.8	798	0.8	902	0.9
South Korea	609	0.6	623	0.7	705	0.7	627	0.7	802	0.8
Bangladesh	511	0.5	510	0.5	589	0.6	671	0.7	714	0.7
South Africa	687	0.7	718	0.8	661	0.7	653	0.7	660	0.7
Fiji	681	0.7	657	0.7	655	0.7	633	0.7	641	0.7
Pakistan	468	0.5	528	0.6	525	0.6	566	0.6	592	0.6
Thailand	421	0.4	472	0.5	482	0.5	514	0.5	569	0.6
Hong Kong	414	0.4	432	0.5	414	0.4	465	0.5	548	0.6
Nepal	137	0.1	217	0.2	285	0.3	449	0.5	542	0.6
United States of America	417	0.4	454	0.5	447	0.5	502	0.5	510	0.5
Malaysia	371	0.4	392	0.4	409	0.4	422	0.4	451	0.5
Ireland	361	0.4	340	0.4	429	0.5	363	0.4	450	0.5
Sri Lanka	362	0.4	384	0.4	428	0.5	417	0.4	450	0.5
Japan	378	0.4	376	0.4	386	0.4	428	0.4	427	0.4
Afghanistan	336	0.4	322	0.3	320	0.3	340	0.4	365	0.4
Germany	262	0.3	284	0.3	280	0.3	297	0.3	308	0.3
Cambodia	295	0.3	251	0.3	251	0.3	304	0.3	303	0.3
Iran	199	0.2	202	0.2	240	0.3	270	0.3	297	0.3
Canada	267	0.3	274	0.3	268	0.3	299	0.3	292	0.3
Sudan	318	0.3	303	0.3	318	0.3	289	0.3	268	0.3
Western Samoa	277	0.3	254	0.3	230	0.2	242	0.3	219	0.2
Brazil	128	0.1	152	0.2	185	0.2	200	0.2	216	0.2
Egypt	164	0.2	176	0.2	197	0.2	232	0.2	209	0.2
Russian Federation (not USSR)	153	0.2	157	0.2	164	0.2	213	0.2	206	0.2
Poland	175	0.2	200	0.2	207	0.2	202	0.2	195	0.2
Taiwan	129	0.1	143	0.2	145	0.2	161	0.2	184	0.2
North Korea	152	0.2	149	0.2	162	0.2	149	0.2	177	0.2
Turkey	213	0.2	215	0.2	204	0.2	201	0.2	175	0.2
Singapore	164	0.2	163	0.2	157	0.2	143	0.1	170	0.2
Tonga	191	0.2	184	0.2	176	0.2	161	0.2	169	0.2
France	161	0.2	167	0.2	185	0.2	158	0.2	161	0.2
Syria	132	0.1	162	0.2	137	0.1	154	0.2	151	0.2
Chile	174	0.2	178	0.2	160	0.2	140	0.1	147	0.1
Colombia	83	0.1	104	0.1	106	0.1	105	0.1	142	0.1
Saudi Arabia	86	0.1	135	0.1	152	0.2	158	0.2	132	0.1
Zimbabwe	125	0.1	110	0.1	112	0.1	117	0.1	127	0.1
Former Yugoslavia	103	0.1	113	0.1	118	0.1	124	0.1	123	0.1
Bosnia-Herzegovina	97	0.1	109	0.1	124	0.1	128	0.1	123	0.1
Macedonia	106	0.1	112	0.1	118	0.1	115	0.1	123	0.1
Italy	92	0.1	109	0.1	81	0.1	71	0.1	102	0.1
Sweden	92	0.1	84	0.1	101	0.1	87	0.1	101	0.1
Burma (Myanmar)	92	0.1	83	0.1	81	0.1	97	0.1	100	0.1
Other/Not stated	3103	3.3	3199	3.4	3291	3.5	3491	3.6	3408	3.5
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health. # Countries of birth for which 100 or more women gave birth in 2012.

#### Aboriginal and Torres Strait Islander mothers

The reported number of Aboriginal or Torres Strait Islander mothers giving birth increased from 2,976 in 2008 to 3,348 in 2012, an increase from 3.1% to 3.4% of all mothers (Table 5). Further information on Aboriginal and Torres Strait Islander mothers and babies is shown in Chapter 7.

TABLE 5: ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS, NSW 2008–2012

Aboriginal or Torres Strait Islander	Year											
	2008		2009		2010		2011		2012			
	No.	%	No.	%	No.	%	No.	%	No.	%		
Aboriginal or Torres Strait Islander	2976	3.1	2904	3.1	3090	3.3	2975	3.1	3348	3.4		
Non-Aboriginal or Torres Strait Islander	91675	96.6	91963	96.8	91662	96.5	92619	96.6	94738	96.5		
Not stated	213	0.2	176	0.2	244	0.3	241	0.3	55	0.1		
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0		
Source: NSW Perinatal Data Collection (SAPHaRI).	Centre for Epidemiolo	gy and Evide	nce. NSW Ministry of	Health.								

#### Previous pregnancies

In recent years there has been an increase in the percentage of mothers giving birth for the first time, from 41.6% in 2008 to 44.0% in 2012 (Table 6). While the proportion of mothers giving birth to a second or subsequent baby has decreased from 58.3% to 56.0% over the same period.

**TABLE 6: PREVIOUS PREGNANCIES, NSW 2008-2012** 

	Year											
No. previous pregnancies (>20 weeks gestation)	2008	2008		2009		2010			2012			
(> 20 treens gestation,	No.	%	No.	%	No.	%	No.	%	No.	%		
0	39451	41.6	40349	42.5	40796	42.9	41602	43.4	43140	44.0		
1–4	53637	56.5	52975	55.7	52491	55.3	52423	54.7	53447	54.5		
5+	1713	1.8	1701	1.8	1671	1.8	1547	1.6	1518	1.5		
Not stated	63	0.1	18	0.0	38	0.0	263	0.3	36	0.0		
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0		
Source: NSW Perinatal Data Collection (SAPHaRI	). Centre for Epidemiolo	ogy and Evide	nce, NSW Ministry of	Health.								

#### Duration of pregnancy at first antenatal visit

Between 2008 and 2010, the proportion of mothers starting antenatal care at 20-plus weeks gestation fluctuated between 5.7% and 7.1%. In the same time period, the proportion of mothers starting antenatal care at less than 14 weeks gestation varied between 81.9% and 79.3% (Table 7).

Since 2011, rates of commencement of antenatal care at less than 14 weeks gestation have fallen substantially due to the introduction of a stricter definition of "antenatal care". Up to 2010, the question asked was 'Duration of pregnancy at first antenatal visit'. From 2011, the question asked is: 'Duration of pregnancy at first comprehensive booking or assessment by clinician'. The new question has more specifically defined the type of visit to be reported and resulted in a substantial decrease in the reported proportion of mothers who commenced antenatal care before 14 weeks gestation between 2010 and 2011. In 2012, 61.2% of mothers started antenatal care at less than 14 weeks and 14.3% started at 20-plus weeks.

TABLE 7: DURATION OF PREGNANCY AT FIRST ANTENATAL VISIT, NSW 2008-2012

					Year	r				
Duration of pregnancy (weeks)	2008		2009		2010	)	2011		2012	
(	No.	%	No.	%	No.	%	No.	%	No.	%
0–13	77647	81.9	74947	78.9	75317	79.3	68373	71.3	60051	61.2
14–19	10853	11.4	12437	13.1	11840	12.5	14879	15.5	21489	21.9
20-plus	5374	5.7	6744	7.1	6594	6.9	9724	10.1	14063	14.3
Not stated	990	1.0	915	1.0	1245	1.3	2859	3.0	2538	2.6
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0
Source: NSW Perinatal Data Collection (SAPHaRI).	Centre for Epidemiolo	gy and Evide	nce, NSW Ministry of	Health.						

#### Smoking in pregnancy

The proportion of mothers reporting any smoking during pregnancy declined from 12.7% in 2008 to 10.4% in 2012 (Table 8). Of mothers who smoked during pregnancy in 2012, 25.1% stopped smoking in the first half of pregnancy. Over the 5-year period, among those who smoked in the second half of pregnancy, there was a trend towards smoking fewer cigarettes per day (Table 9).

TABLE 8: SMOKING IN PREGNANCY, NSW 2008-2012

					Year					
Smoking in pregnancy	2008		2009		2010	1	2011		2012	
	No.	%	No.	%	No.	%	No.	%	No.	%
Did not smoke	82734	87.2	83605	88.0	84300	88.7	84545	88.2	87580	89.2
Smoked	12094	12.7	11434	12.0	10685	11.2	10669	11.1	10225	10.4
Not Stated	36	0.0	4	0.0	11	0.0	621	0.6	336	0.3
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0
Source: NSW Perinatal Data Collection (SAPHaRI).	Centre for Epidemiolo	ogy and Evide	nce, NSW Ministry of	Health.						

TABLE 9: MOTHERS WHO SMOKED AT ALL DURING PREGNANCY BY NUMBER OF CIGARETTES SMOKED IN THE SECOND HALF OF PREGNANCY, NSW 2008-2012

					Year					
Cigarettes smoked in the second half of pregnancy	2008		2009		2010	)	2011		2012	2
in the second han or pregnancy	No.	%								
None	1227	10.1	1842	16.1	1851	17.3	2561	24.0	2562	25.1
1–10 per day	5929	49.0	4995	43.7	4739	44.4	5482	51.4	5439	53.2
> 10 per day	4110	34.0	3580	31.3	2941	27.5	1900	17.8	1849	18.1
Smoked, amount not stated	825	6.8	1015	8.9	1154	10.8	604	5.7	363	3.6
Not stated	3	0.0	2	0.0	0	0.0	122	1.1	12	0.1
TOTAL	12094	100.0	11434	100.0	10685	100.0	10669	100.0	10225	100.0

 $Source: NSW\ Perinatal\ Data\ Collection\ (SAPHaRI).\ Centre\ for\ Epidemiology\ and\ Evidence,\ NSW\ Ministry\ of\ Health.$ 

#### Place of birth

In 2012, the majority of mothers planned to give birth in a hospital labour ward, and 3.5% of mothers planned to give birth in a birth centre (Table 10). Eighty-three per cent of mothers who planned to give birth in a birth centre actually did so. The total number of reported planned homebirths dropped from 243 in 2008 to 232 in 2012, while the reported number of planned homebirths that occurred at home remained steady (200 in 2008 and 202 in 2012).

TABLE 10: MATERNAL PLACE OF BIRTH, NSW 2008-2012

					Yea	r				
Place of birth	2008		2009		201	0	2011		2012	
	No.	%								
Hospital	90143	95.0	90525	95.2	90730	95.5	91574	95.6	93945	95.7
Birth centre	2911	3.1	2736	2.9	2703	2.8	2804	2.9	2837	2.9
Planned birth centre-hospital admission	1063	1.1	1004	1.1	830	0.9	709	0.7	596	0.6
Planned homebirth	200	0.2	231	0.2	246	0.3	225	0.2	202	0.2
Planned homebirth-hospital admission	43	0.0	35	0.0	18	0.0	36	0.0	30	0.0
Born before arrival	497	0.5	512	0.5	468	0.5	462	0.5	519	0.5
Not stated	7	0.0	0	0.0	1	0.0	25	0.0	12	0.0
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Hypertension and diabetes

The reported rate of gestational diabetes rose from 4.8% in 2008 to 7.4% in 2012, while the rate of diabetes mellitus remained stable at about 0.6% over the 5-year period (Table 11). Overall, hypertension in pregnancy was reported among 5.4% of mothers in 2012, compared with 5.3% in 2008.

TABLE 11: MATERNAL HYPERTENSION OR DIABETES, NSW 2008–2012

					Yea	r				
Condition	2008		2009		2010	)	201	1	2012	2
	No.	%								
Diabetes mellitus	601	0.6	525	0.6	609	0.6	612	0.6	662	0.7
Gestational diabetes	4509	4.8	5157	5.4	5330	5.6	6094	6.4	7292	7.4
Chronic hypertension	833	0.9	756	0.8	796	0.8	784	0.8	776	0.8
Pre-eclampsia Pre-eclampsia	1766	1.9	1902	2.0	1879	2.0	1662	1.7	1675	1.7
Gestational Hypertension	2381	2.5	2421	2.5	2632	2.8	2646	2.8	2825	2.9
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Labour

The rate of spontaneous onset of labour fell from 57.7% in 2008 to 54.1% in 2012 and the rate of induction of labour rose from 25.3% in 2008 to 27.3% in 2012 (Table 12). The most common reported reason for induction of labour in 2012 was prolonged pregnancy (41 or more weeks) (20.7%), followed by prelabour rupture of membranes (15.9%), hypertensive disease (9.4%), diabetes (9.1%), suspected intrauterine growth retardation (4.5%), fetal distress (2.1%) and fetal death (0.8%).

TABLE 12: ONSET AND AUGMENTATION OF LABOUR, NSW 2008–2012

					Year					
Onset of labour	2008		2009		2010		2011		2012	
	No.	%								
Spontaneous	39076	41.2	38697	40.7	38280	40.3	37772	39.4	38144	38.9
Spontaneous augmented with ARM	7069	7.5	6840	7.2	6611	7.0	6392	6.7	6389	6.5
Spontaneous augmented with oxytocics/ prostaglandins <sup>†</sup>	8591	9.1	8382	8.8	8481	8.9	8564	8.9	8530	8.7
No labour	16120	17.0	16649	17.5	16849	17.7	17638	18.4	18253	18.6
Induced-oxytocics/ prostaglandins	8576	9.0	8680	9.1	8763	9.2	9176	9.6	9693	9.9
Induced-ARM only	1680	1.8	1710	1.8	1782	1.9	1789	1.9	1729	1.8
Induced–ARM + oxytocics/ prostaglandins	13577	14.3	13904	14.6	14057	14.8	14321	14.9	15220	15.5
Induced-other <sup>‡</sup>	164	0.2	181	0.2	166	0.2	151	0.2	163	0.2
Not stated	11	0.0	0	0.0	7	0.0	32	0.0	20	0.0
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

ARM: artificial rupture of membranes.
 May include artificial rupture of membranes
 This category includes other forms of induction such as Foley's catheter.

#### Birth

Among NSW mothers, the rate of normal vaginal birth decreased from 59.2% in 2008 to 57.1% in 2012 (Table 13). The caesarean section rate increased from 29.5% to 31.1%; while the rate of instrumental birth (forceps and vacuum extraction) increased from 10.9% to 11.4%.

Operative and instrumental births are more common among privately than publicly insured mothers (Table 14). Among privately insured mothers the rate of normal vaginal birth fell from 46.6% in 2008 to 45.3% in 2012 and the caesarean section rate increased from 38.4% to 40.7%. Among publicly insured mothers the rate of normal vaginal birth fell from 65.7% to 63.3% and the caesarean section rate rose from 24.8% to 26.1%.

**TABLE 13: TYPE OF BIRTH, NSW 2008–2012** 

					Yea	ar				
Type of birth	2008		2009	9	201	10	201	1	201	2
	No.	%								
Normal vaginal	56173	59.2	55359	58.2	54774	57.7	54516	56.9	55993	57.1
Forceps	3486	3.7	3383	3.6	3843	4.0	3932	4.1	4192	4.3
Vacuum extraction	6830	7.2	7232	7.6	7074	7.4	7005	7.3	6981	7.1
Vaginal breech	387	0.4	355	0.4	332	0.3	316	0.3	399	0.4
Elective caesarean section	16120	17.0	16649	17.5	16849	17.7	17638	18.4	18253	18.6
Emergency caesarean section <sup>†</sup>	11854	12.5	12065	12.7	12099	12.7	12391	12.9	12305	12.5
Not stated	14	0.0	0	0.0	25	0.0	37	0.0	18	0.0
TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0

ource: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.  $\ \, \text{† Emergency caesarean section includes caesarean sections where the onset of labour was not stated}.$ 

TABLE 14: MATERNAL HEALTH INSURANCE BY TYPE OF BIRTH, NSW 2008-2012#

						Year					
Insurance	status-type of birth	2008		2009		2010		2011		2012	
		No.	%								
PUBLIC	Normal vaginal	40907	65.7	39668	64.6	39468	63.8	39451	63.3	40562	63.3
	Forceps	1912	3.1	1914	3.1	2366	3.8	2400	3.8	2734	4.3
	Vacuum extraction	3657	5.9	3907	6.4	3822	6.2	3715	6.0	3783	5.9
	Vaginal breech	286	0.5	270	0.4	247	0.4	245	0.4	313	0.5
	Elective caesarean section	8115	13.0	8242	13.4	8464	13.7	8784	14.1	9158	14.3
	Emergency caesarean section <sup>†</sup>	7342	11.8	7438	12.1	7518	12.1	7757	12.4	7560	11.8
	Not stated	10	0.0	0	0.0	7	0.0	14	0.0	7	0.0
	TOTAL	62229	100.0	61439	100.0	61892	100.0	62366	100.0	64117	100.0
PRIVATE	Normal vaginal	15107	46.6	15573	46.6	15235	46.2	14915	44.9	15356	45.3
	Forceps	1560	4.8	1465	4.4	1472	4.5	1523	4.6	1451	4.3
	Vacuum extraction	3151	9.7	3316	9.9	3249	9.8	3274	9.9	3191	9.4
	Vaginal breech	99	0.3	84	0.3	84	0.3	70	0.2	83	0.2
	Elective caesarean section	7978	24.6	8388	25.1	8368	25.4	8822	26.5	9081	26.8
	Emergency caesarean section <sup>†</sup>	4485	13.8	4602	13.8	4566	13.8	4606	13.9	4736	14.0
	Not stated	4	0.0	0	0.0	18	0.1	22	0.1	9	0.0
	TOTAL	32384	100.0	33428	100.0	32992	100.0	33232	100.0	33907	100.0
TOTAL*	Normal vaginal	56173	59.2	55359	58.2	54774	57.7	54516	56.9	55993	57.1
	Forceps	3486	3.7	3383	3.6	3843	4.0	3932	4.1	4192	4.3
	Vacuum extraction	6830	7.2	7232	7.6	7074	7.4	7005	7.3	6981	7.1
	Vaginal breech	387	0.4	355	0.4	332	0.3	316	0.3	399	0.4
	Elective caesarean section	16120	17.0	16649	17.5	16849	17.7	17638	18.4	18253	18.6
	Emergency caesarean section <sup>†</sup>	11854	12.5	12065	12.7	12099	12.7	12391	12.9	12305	12.5
	Not stated	14	0.0	0	0.0	25	0.0	37	0.0	18	0.0
	TOTAL	94864	100.0	95043	100.0	94996	100.0	95835	100.0	98141	100.0

Source: Maternal and Child Health Register. Centre for Epidemiology and Research, NSW Ministry of Health.

<sup>#</sup> Figures for 2008 and 2009 differ slightly to those reported previously as the linkage has been updated.
† Emergency caesarean section includes cases where caesarean section was reported but type of onset of labour was not reported.
\* Total includes mothers where type of health insurance was not stated.

#### Baby sex

There was no significant change in the pattern of baby sex since 2008, with slightly more male babies born than females in each year. In 2012, 51,527 (51.8%) babies were male, 47,958 (48.2%) were female, and 9 were of indeterminate sex. This compares with babies born in 2008, when 49,253 (51.1%) babies were male, 47,054 (48.8%) were female, and 9 were of indeterminate sex.

#### Gestational age

In 2012, 7.5% of babies were born prematurely (less than 37 weeks gestation), about the same percentage as in 2008 (7.6%; Table 15). Over the 5 year period, 92% of babies were born at term (37–41 weeks gestation). The percentage of postmature babies (42-plus weeks gestation) was 0.8% in 2008 and 0.6% in 2012.

TABLE 15: GESTATIONAL AGE, NSW 2008-2012

					Ye	ar				
Gestational age (weeks)	2008		200	9	20	10	201	1	201	2
	No.	%								
< 28	732	0.8	705	0.7	665	0.7	726	0.7	686	0.7
28–31	683	0.7	660	0.7	676	0.7	676	0.7	679	0.7
32–36	5794	6.0	5697	5.9	5762	6.0	5872	6.0	6184	6.2
37–41	88353	91.7	88596	91.9	88649	91.9	89298	91.8	91388	91.8
42 +	764	0.8	775	0.8	733	0.8	660	0.7	569	0.6
Not stated	17	0.0	6	0.0	4	0.0	13	0.0	4	0.0
TOTAL	96343	100.0	96439	100.0	96489	100.0	97245	100.0	99510	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Birth weight

Since 2008, the pattern of birth weights has remained stable, with the rate of low birth weight (less than 2,500 grams) ranging from 6.0% to 6.2% (Table 16). The rate of low birth weight was 6.1% in 2012.

TABLE 16: BIRTH WEIGHT, NSW 2008-2012

					Year	r				
Birth weight (grams)	2008		2009		2010	)	2011	ı	2012	
	No.	%								
Less than 500	266	0.3	259	0.3	210	0.2	253	0.3	252	0.3
500–999	422	0.4	402	0.4	408	0.4	443	0.5	428	0.4
1000–1499	525	0.5	501	0.5	541	0.6	538	0.6	521	0.5
1500–1999	1230	1.3	1081	1.1	1120	1.2	1084	1.1	1166	1.2
2000–2499	3551	3.7	3541	3.7	3621	3.8	3684	3.8	3714	3.7
2500–2999	14157	14.7	14316	14.8	14648	15.2	14776	15.2	15356	15.4
3000–3499	34612	35.9	34902	36.2	35008	36.3	35362	36.4	36647	36.8
3500–3999	29891	31.0	29884	31.0	29575	30.7	29916	30.8	30171	30.3
4000–4499	9889	10.3	9787	10.1	9654	10.0	9516	9.8	9571	9.6
4500+	1716	1.8	1692	1.8	1645	1.7	1567	1.6	1618	1.6
Not stated	84	0.1	74	0.1	59	0.1	106	0.1	66	0.1
TOTAL	96343	100.0	96439	100.0	96489	100.0	97245	100.0	99510	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health

In 2012, 2.2% of babies were born with an Apgar score of less than 7 at 5 minutes and 1.1% were born with an Apgar score of less than 5 (Table 17). These rates are similar to those of previous years.

TABLE 17: APGAR SCORE AT 5 MINUTES, NSW 2008-2012#

			Year								
Apgar score	2008		200	9	20	10	201	11	201	2	
	No.	%									
0–4	1093	1.1	1088	1.1	1051	1.1	1096	1.1	1052	1.1	
5–6	900	0.9	901	0.9	959	1.0	1019	1.0	1145	1.2	
7+	94077	97.6	94175	97.7	94201	97.6	94834	97.5	97081	97.6	
Not stated	273	0.3	275	0.3	278	0.3	296	0.3	232	0.2	
TOTAL	96343	100.0	96439	100.0	96489	100.0	97245	100.0	99510	100.0	

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health. # Includes stillbirths and live births.

#### Hepatitis B

The percentage of babies given a hepatitis B vaccination at birth has risen from 93.2% in 2008 to 94.0% in 2012 (Table 18).

TABLE 18: HEPATITIS B DOSE GIVEN TO LIVEBORN BABIES, NSW 2008-2012

					Yea	ar				
Hepatitis B dose given	2008		2009		201	10	201	1	2012	2
	No.	%	No.	%	No.	%	No.	%	No.	%
No	6401	6.7	6281	6.6	6053	6.3	6097	6.3	5882	5.9
Yes	89225	93.2	89532	93.4	89772	93.6	90338	93.5	92957	94.0
Not stated	77	0.1	24	0.0	96	0.1	152	0.2	36	0.0
TOTAL	95703	100.0	95837	100.0	95921	100.0	96587	100.0	98875	100.0
Source: NSW Perinatal Data Collection (SAPHaRI).	Centre for Epidemiol	ogy and Evide	nce. NSW Ministry o	f Health.						

#### Infant feeding

The percentage of babies fully breast-fed at the time of discharge from hospital rose from 79.8% to 82.1% between 2008 and 2012. The percentage of babies that received any breast-feeding rose from 6.3% in 2008 to 7.5% in 2010, followed by a decrease to 6.8% in 2012. In the same 5-year period, the percentage of babies receiving infant formula only fell from 12.4% to 10.3% (Table 19).

TABLE 19: LIVE BIRTHS BY TYPE OF INFANT FEEDING, NSW 2008–2012

					Yea	r				
Infant feeding	2008		2009		201	0	201	1	2012	
	No.	%	No.	%	No.	%	No.	%	No.	%
Full breast-feeding	76398	79.8	77155	80.5	76757	80.0	79256	82.1	81154	82.1
Any breast-feeding	6068	6.3	6423	6.7	7184	7.5	5889	6.1	6709	6.8
Infant formula only	11833	12.4	11559	12.1	11159	11.6	10308	10.7	10163	10.3
Not stated	1404	1.5	700	0.7	821	0.9	1134	1.2	849	0.9
TOTAL	95703	100.0	95837	100.0	95921	100.0	96587	100.0	98875	100.0
Course NCM Positostal Data Callestina (CARIJARI)	6 . ( 5	16.11	NICHALANI II	C 11 111						

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health

#### Perinatal outcome

In the period 2008–2012 the perinatal mortality rate varied from 8.2 to 8.7 per 1,000 births (Table 20). In 2012, 73.9% of all reported perinatal deaths were stillbirths and 26.1% were neonatal deaths.

In 2012, of the 812 perinatal deaths in NSW, 777 (95.7%) were reported among planned hospital births, 23 (2.8%) among planned birth centre births, 12 were among babies born before arrival at hospital and none were reported in a planned home birth.

TABLE 20: PERINATAL OUTCOMES, NSW 2008-2012#

Year	Liveborn sur	viving	Stillbo	rn	Neonatal d	eath	Death-age r	not stated	Not sta	ited	Total b	irths	Perinatal death rate/1,000 births⁺
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
2008	95440	99.1	585	0.6	256	0.3	7	0.0	55	0.1	96343	100.0	8.7
2009	95595	99.1	598	0.6	240	0.2	2	0.0	4	0.0	96439	100.0	8.7
2010	95675	99.2	555	0.6	239	0.2	7	0.0	13	0.0	96489	100.0	8.2
2011	96329	99.1	572	0.6	254	0.3	4	0.0	86	0.1	97245	100.0	8.5
2012	98657	99.1	600	0.6	212	0.2	6	0.0	35	0.0	99510	100.0	8.2

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health

# Perinatal deaths include deaths reported to the PDC only. As the PDC form is completed at discharge or transfer of the baby, deaths occurring after this time may not be reported to the PDC. †The perinatal death rate excludes deaths where the age at death was not stated.

#### Maternal deaths

In the period 1990–2012, 218 deaths were reported among pregnant women or women who gave birth less than 6 weeks previously. Of these, 65 (31.7%) died of incidental causes not related to the pregnancy or its management, 92 (42.2%) deaths were found to be directly due to pregnancy or its management, and 58 (26.6%) were found to result from pre-existing disease or disease which developed during pregnancy (not due to direct obstetric causes) but which may have been aggravated by the physiologic effects of pregnancy (Table 21). Table 22 shows maternal deaths by cause in NSW for the period 2009–2012.

TABLE 21: MATERNAL DEATHS BY YEAR, NSW 1990-2012#

					Classifi	cation				
Year	Dire	ect	Indi	rect	Total – Direc	t & Indirect	Incide	ental	тот	AL
	No.	Ratio/100,000	No.	Ratio/100,000	No.	Ratio/100,000	No.	Ratio/100,000	No.	Ratio/100,000
1990	4	4.6	6	6.9	10	11.6	2	2.3	12	13.9
1991	4	4.7	1	1.2	5	5.8	1	1.2	6	7.0
1992	5	5.7	1	1.1	6	6.8	5	5.7	11	12.5
1993	6	6.9	1	1.2	7	8.1	6	6.9	13	15.0
1994	8	9.2	1	1.2	9	10.4	3	3.5	12	13.8
1995	7	8.1	2	2.3	9	10.4	6	7.0	15	17.4
1996	6	7.0	1	1.2	7	8.2	5	5.9	12	14.1
1997	7	8.1	2	2.3	9	10.5	5	5.8	14	16.1
1998	4	4.7	4	4.7	8	9.4	3	3.5	11	12.9
1999 <sup>†</sup>	4	4.7	1	1.2	5	5.8	6	7.0	12	14.0
2000	4	4.7	5	5.9	9	10.7	1	1.2	10	11.9
2001	4	4.7	4	4.7	8	9.5	1	1.2	9	10.7
2002	2	2.4	2	2.4	4	4.7	1	1.2	5	5.9
2003	1	1.2	3	3.5	4	4.7	3	3.5	7	8.2
2004 <sup>†</sup>	2	2.3	2	2.3	4	4.7	2	2.3	7	8.2
2005 <sup>†</sup>	4	4.5	4	4.5	8	9.0	2	2.2	11	12.3
2006	4	4.4	3	3.3	7	7.7	3	3.3	10	11.0
2007	1	1.1	0	0.0	1	1.1	0	0.0	1	1.1
2008	0	0.0	4	4.2	4	4.2	1	1.1	5	5.3
2009	5	5.3	2	2.1	7	7.4	3	3.2	10	10.5
2010 <sup>†</sup>	4	4.2	2	2.1	6	6.3	2	2.1	8	8.4
2011	3	3.1	5	5.2	8	8.3	2	2.1	10	10.4
2012	3	3.1	2	2.0	5	5.1	2	2.0	7	7.1

# Includes all deaths of women who were pregnant at the time of death, or who died within 42 days of childbirth. Direct deaths include those resulting from obstetric complications of the pregnant state, including its management. Indirect deaths include those resulting from pre-existing disease or disease which developed during pregnancy and was not due to direct obstetric causes but which may have been aggravated by the physiological effects of pregnancy. Incidental deaths are those where the pregnancy is unlikely to have contributed significantly to the death.<sup>1</sup>

† Totals for the year include one death that was unable to be classified.

TABLE 22: MATERNAL DEATHS BY CAUSE, NSW 2009–2012#

Classification	Cause	No.
2009	Cause	NO.
Direct	Cardiac arrhythmia	1
Direct	Cardiac arrhythmia Intra-abdominal haemorrhage following surgery for ectopic pregnancy	1
		1
Direct	Cardiac arrest during spinal anaesthesia for caesarean section	2
Direct	Pulmonary thromboembolism	_
Indirect	Complications of H1N1 Influenza	1
Indirect	Acute promyelocytic leukaemia	1
Incidental	Intra-cerebral haemorrhage due to immune thrombocytopenic purpura	1
Incidental	Acute asthma	1
Incidental	Pneumococcal meningitis	1
TOTAL		10
2010		
Direct	Amniotic fluid embolism	2
Direct	Group A Streptococcus sepsis	2
Indirect	Intra-abdominal haemorrhage due to ruptured liver tumour	1
Indirect	Undetermined	1
Incidental	Multiple injuries following road traffic accident	1
Incidental	Pancreatic cancer	1
TOTAL		8
2011		
Direct	Postpartum haemorrhage	2
Direct	Pulmonary thromboembolism	1
Indirect	Drug overdose	1
Indirect	Undetermined	1
Indirect	Left ventricular heart failure	1
Indirect	Combined effects of caesarean wound sepsis and diabetic nephropathy	1
Indirect	   Pre-existing cardiomyopathy	1
Incidental	Cancer	1
Incidental	Blood loss secondary to multiple trauma	1
TOTAL		10
2012		
Direct	Pulmonary thromboembolism	1
Direct	Ruptured ectopic pregnancy	1
Direct	Left sided intracerebral haemorrhage	1
Indirect	Multiple drug toxicity	1
Indirect	Drowning	1
Incidental	Massive cerebellar haemorrhage	1
Incidental	Cardiac arrhythmia	1
TOTAL	Cardiac arriyullila	7
	al and Perinatal Committee.	,

Source: NSW Maternal and Perinatal Committee.

# Includes all deaths of women who were pregnant at the time of death, or who died within 42 days of childbirth.

Direct deaths include those resulting from obstetric complications of the pregnant state, including its management.<sup>1</sup>

#### Reference

<sup>1.</sup> Sullivan EA, Hall B, King, JF. Maternal deaths in Australia 2003–2005. Maternal deaths series no. 3 Cat. No. PER 42. Sydney: AIHW National Perinatal Statistics Unit, 2007.

### 5. LOCAL HEALTH DISTRICTS

Information on the health of Aboriginal and Torres Strait Islander mothers is shown in Chapter 7.

#### Confinements

The largest numbers of mothers who gave birth in 2012 were resident in the Western Sydney Local Health District (n = 14,601, 14.9%), followed by the South Western Sydney Local Health District (n = 13,176, 13.4%) and the South Eastern Sydney Local Health District (n = 11,878, 12.1%) (Table 23).

#### Maternal age

In 2012, the proportion of women giving birth at less than 20 years of age varied from 0.3% in the Northern Sydney Local Health District to 9.8% in the Far West Local Health District, while the proportion of mothers giving birth at 35 years of age or more ranged from 11.4% in the Far West Local Health District to 38.1% in the Northern Sydney Local Health District (Table 23).

TABLE 23: MATERNAL AGE BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

								М	aternal a	ge (Year	s)							
Local Health District	12–1	9	20–2	24	25–2	29	30–3	34	35–3	39	40–4	4	45 -		Not sta	ted	тот	AL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	83	0.9	571	6.5	1910	21.8	3318	37.8	2330	26.6	527	6.0	30	0.3	0	0.0	8769	100.0
South Western Sydney	408	3.1	2111	16.0	4166	31.6	4024	30.5	1951	14.8	489	3.7	27	0.2	0	0.0	13176	100.0
South Eastern Sydney	77	0.6	626	5.3	2658	22.4	4620	38.9	3055	25.7	787	6.6	52	0.4	3	0.0	11878	100.0
Illawarra Shoalhaven	217	4.8	700	15.6	1306	29.2	1393	31.1	701	15.7	149	3.3	10	0.2	0	0.0	4476	100.0
Western Sydney	356	2.4	1892	13.0	4504	30.8	4975	34.1	2343	16.0	498	3.4	30	0.2	3	0.0	14601	100.0
Nepean Blue Mountains	205	4.3	774	16.2	1472	30.7	1398	29.2	761	15.9	170	3.6	8	0.2	0	0.0	4788	100.0
Northern Sydney	32	0.3	295	2.8	1788	16.8	4473	42.0	3240	30.4	776	7.3	48	0.5	1	0.0	10653	100.0
Central Coast	169	4.4	616	16.1	1128	29.5	1140	29.8	610	16.0	153	4.0	6	0.2	1	0.0	3823	100.0
Hunter New England	682	6.0	2147	19.0	3386	29.9	3156	27.9	1579	13.9	347	3.1	26	0.2	5	0.0	11328	100.0
Northern NSW	163	5.9	564	20.2	811	29.1	722	25.9	411	14.8	108	3.9	7	0.3	0	0.0	2786	100.0
Mid North Coast	141	6.3	459	20.5	671	29.9	591	26.3	308	13.7	66	2.9	7	0.3	0	0.0	2243	100.0
Southern NSW	92	6.3	279	19.2	388	26.8	434	29.9	210	14.5	44	3.0	2	0.1	1	0.1	1450	100.0
Murrumbidgee	156	6.5	466	19.4	742	30.9	676	28.1	287	11.9	70	2.9	5	0.2	0	0.0	2402	100.0
Western NSW	319	8.2	849	21.9	1199	30.9	944	24.3	476	12.3	82	2.1	8	0.2	2	0.1	3879	100.0
Far West	25	9.8	63	24.7	78	30.6	60	23.5	19	7.5	10	3.9	0	0.0	0	0.0	255	100.0
Other-not stated	37	2.3	282	17.3	562	34.4	461	28.2	253	15.5	38	2.3	1	0.1	0	0.0	1634	100.0
TOTAL	3162	3.2	12694	12.9	26769	27.3	32385	33.0	18534	18.9	4314	4.4	267	0.3	16	0.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Maternal country of birth

Seventy-two per cent of women who gave birth in NSW in 2012 were born in English speaking countries, 18.0% were born in Asian countries, and 4.8% were born in the Middle East or Africa (Table 24). The highest proportions of mothers born in non-English speaking countries were resident in the Western Sydney, Sydney and South Western Sydney Local Health Districts.

TABLE 24: MATERNAL COUNTRY OF BIRTH BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

										Cou	ntry of b	irth gı	oup									
Local Health District	Engl speal		Cent & Sou Amer	uth	Melan Micror & Poly	nesia	South Euro		Weste North Euro	ern	Easte Euro Russ Cent Asiar Baltic S	pe, ia, ral 1 &	Middle & Afi		South Asi		North Asi		South Asia		тот	AL <sup>†</sup>
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	4897	55.8	104	1.2	84	1.0	127	1.4	110	1.3	107	1.2	493	5.6	799	9.1	1172	13.4	795	9.1	8769	100.0
South Western Sydney	7671	58.2	157	1.2	417	3.2	225	1.7	41	0.3	106	0.8	1733	13.2	1889	14.3	398	3.0	506	3.8	13176	100.0
South Eastern Sydney	7763	65.4	187	1.6	106	0.9	171	1.4	228	1.9	228	1.9	413	3.5	865	7.3	1226	10.3	550	4.6	11878	100.0
Illawarra Shoalhaven	4071	91.0	17	0.4	11	0.2	50	1.1	23	0.5	11	0.2	106	2.4	77	1.7	63	1.4	33	0.7	4476	100.0
Western Sydney	7010	48.0	118	0.8	396	2.7	104	0.7	41	0.3	391	2.7	1348	9.2	1038	7.1	1601	11.0	2503	17.1	14601	100.0
Nepean Blue Mountains	4261	89.0	23	0.5	52	1.1	19	0.4	20	0.4	18	0.4	96	2.0	121	2.5	49	1.0	115	2.4	4788	100.0
Northern Sydney	7064	66.3	201	1.9	67	0.6	85	0.8	229	2.1	194	1.8	239	2.2	597	5.6	1439	13.5	456	4.3	10653	100.0
Central Coast	3571	93.4	17	0.4	17	0.4	7	0.2	18	0.5	9	0.2	24	0.6	80	2.1	44	1.2	22	0.6	3823	100.0
Hunter New England	10680	94.3	22	0.2	37	0.3	23	0.2	52	0.5	27	0.2	104	0.9	154	1.4	93	8.0	106	0.9	11328	100.0
Northern NSW	2563	92.0	9	0.3	10	0.4	7	0.3	27	1.0	9	0.3	19	0.7	48	1.7	33	1.2	20	0.7	2786	100.0
Mid North Coast	2050	91.4	6	0.3	6	0.3	4	0.2	10	0.4	3	0.1	27	1.2	45	2.0	12	0.5	41	1.8	2243	100.0
Southern NSW	1360	93.8	1	0.1	5	0.3	5	0.3	4	0.3	1	0.1	14	1.0	26	1.8	10	0.7	13	0.9	1450	100.0
Murrumbidgee	2219	92.4	3	0.1	20	0.8	3	0.1	10	0.4	4	0.2	40	1.7	37	1.5	19	0.8	46	1.9	2402	100.0
Western NSW	3741	96.4	6	0.2	5	0.1	3	0.1	5	0.1	2	0.1	19	0.5	32	0.8	29	0.7	28	0.7	3879	100.0
Far West	246	96.5	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.4	4	1.6	0	0.0	4	1.6	255	100.0
Other-not stated	979	59.9	29	1.8	29	1.8	14	0.9	32	2.0	16	1.0	52	3.2	124	7.6	130	8.0	211	12.9	1634	100.0
TOTAL	70146	71.5	900	0.9	1262	1.3	847	0.9	850	0.9	1126	1.1	4728	4.8	5936	6.0	6318	6.4	5449	5.6	98141	100.0
Source: NSW Perinatal Data Col	lection (S	APHaRI)	. Centre fo	r Epide	miology a	nd Evid	ence, NSW	Minist	y of Healt	h.												

† Includes 579 mothers in NSW for whom country of birth was not stated. Maternal countries of birth and birth groups are shown in Appendix 3.

Aboriginal and Torres Strait Islander mothers

Health District to 18.0% in Far West Local Health District.

#### In 2012, 3.4% of mothers were reported to be Aboriginal or Torres Strait Islander (Table 25). The reported proportion of Aboriginal or Torres Strait Islander mothers varied from 0.2% in the Northern Sydney Local

TABLE 25: ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

			Abor	iginal and Torres St	rait Islander			
Local Health District	Aboriginal or Torres Stra	ait Islander	Non-Aborigina or Torres Strait Isla		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Sydney	109	1.2	8655	98.7	5	0.1	8769	100.0
South Western Sydney	208	1.6	12962	98.4	6	0.0	13176	100.0
South Eastern Sydney	70	0.6	11805	99.4	3	0.0	11878	100.0
Illawarra Shoalhaven	213	4.8	4261	95.2	2	0.0	4476	100.0
Western Sydney	226	1.5	14372	98.4	3	0.0	14601	100.0
Nepean Blue Mountains	141	2.9	4644	97.0	3	0.1	4788	100.0
Northern Sydney	23	0.2	10626	99.7	4	0.0	10653	100.0
Central Coast	148	3.9	3672	96.1	3	0.1	3823	100.0
Hunter New England	867	7.7	10446	92.2	15	0.1	11328	100.0
Northern NSW	222	8.0	2564	92.0	0	0.0	2786	100.0
Mid North Coast	224	10.0	2017	89.9	2	0.1	2243	100.0
Southern NSW	88	6.1	1356	93.5	6	0.4	1450	100.0
Murrumbidgee	149	6.2	2252	93.8	1	0.0	2402	100.0
Western NSW	592	15.3	3287	84.7	0	0.0	3879	100.0
Far West	46	18.0	209	82.0	0	0.0	255	100.0
Other-not stated	22	1.3	1610	98.5	2	0.1	1634	100.0
TOTAL	3348	3.4	94738	96.5	55	0.1	98141	100.0

#### Duration of pregnancy at first antenatal visit

In 2012, 83.1% of mothers commenced antenatal care prior to 20 weeks gestation and 61.2% commenced antenatal care prior to 14 weeks gestation. The percentage of mothers commencing antenatal care prior to 20 weeks gestation varied from 65.1% in the Hunter New England Local Health District to 92.7% in the Northern Sydney Local Health District (Table 26).

TABLE 26: DURATION OF PREGNANCY AT FIRST ANTENATAL VISIT BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

				Duration o	f pregnancy at f	irst antenatal vi	sit (weeks)			
Local Health District	0–13		14-	19	20-1	olus	Not s	tated	TOTA	<b>NL</b>
	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	6172	70.4	1798	20.5	763	8.7	36	0.4	8769	100.0
South Western Sydney	7348	55.8	3438	26.1	2256	17.1	134	1.0	13176	100.0
South Eastern Sydney	7607	64.0	3216	27.1	1018	8.6	37	0.3	11878	100.0
Illawarra Shoalhaven	1831	40.9	1299	29.0	1330	29.7	16	0.4	4476	100.0
Western Sydney	9434	64.6	3015	20.6	2105	14.4	47	0.3	14601	100.0
Nepean Blue Mountains	2943	61.5	1187	24.8	645	13.5	13	0.3	4788	100.0
Northern Sydney	6971	65.4	2902	27.2	754	7.1	26	0.2	10653	100.0
Central Coast	2041	53.4	1030	26.9	708	18.5	44	1.2	3823	100.0
Hunter New England	5887	52.0	1482	13.1	1878	16.6	2081	18.4	11328	100.0
Northern NSW	2149	77.1	322	11.6	303	10.9	12	0.4	2786	100.0
Mid North Coast	1526	68.0	371	16.5	339	15.1	7	0.3	2243	100.0
Southern NSW	630	43.4	334	23.0	478	33.0	8	0.6	1450	100.0
Murrumbidgee	1611	67.1	334	13.9	440	18.3	17	0.7	2402	100.0
Western NSW	2578	66.5	535	13.8	731	18.8	35	0.9	3879	100.0
Far West	174	68.2	55	21.6	24	9.4	2	0.8	255	100.0
Other-not stated	1149	70.3	171	10.5	291	17.8	23	1.4	1634	100.0
TOTAL	60051	61.2	21489	21.9	14063	14.3	2538	2.6	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Smoking in pregnancy

In 2012, 7.8% of mothers reported smoking in the second half of pregnancy (Table 27). The lowest rate was reported among mothers resident in the Northern Sydney Local Health District (1.2%) and the highest rate was reported among residents of the Far West Local Health District (29.8%).

TABLE 27: CIGARETTES SMOKED IN THE SECOND HALF OF PREGNANCY BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

					Cigarettes smok	ed in the s	second half of pr	egnancy				
Local Health District	None		1–10 per o	lay	> 10 per d	ау	Smoked amount not s		Not state	d	TOTAL	
Γ	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	8521	97.2	144	1.6	43	0.5	7	0.1	54	0.6	8769	100.0
South Western Sydney	12231	92.8	674	5.1	227	1.7	24	0.2	20	0.2	13176	100.0
South Eastern Sydney	11426	96.2	178	1.5	33	0.3	25	0.2	216	1.8	11878	100.0
Illawarra Shoalhaven	3955	88.4	350	7.8	140	3.1	27	0.6	4	0.1	4476	100.0
Western Sydney	13824	94.7	552	3.8	179	1.2	36	0.2	10	0.1	14601	100.0
Nepean Blue Mountains	4263	89.0	374	7.8	124	2.6	25	0.5	2	0.0	4788	100.0
Northern Sydney	10514	98.7	103	1.0	12	0.1	12	0.1	12	0.1	10653	100.0
Central Coast	3398	88.9	305	8.0	100	2.6	19	0.5	1	0.0	3823	100.0
Hunter New England	9655	85.2	1172	10.3	412	3.6	81	0.7	8	0.1	11328	100.0
Northern NSW	2392	85.9	287	10.3	89	3.2	17	0.6	1	0.0	2786	100.0
Mid North Coast	1918	85.5	225	10.0	82	3.7	16	0.7	2	0.1	2243	100.0
Southern NSW	1200	82.8	183	12.6	58	4.0	6	0.4	3	0.2	1450	100.0
Murrumbidgee	2008	83.6	286	11.9	95	4.0	9	0.4	4	0.2	2402	100.0
Western NSW	3124	80.5	492	12.7	209	5.4	46	1.2	8	0.2	3879	100.0
Far West	179	70.2	48	18.8	24	9.4	4	1.6	0	0.0	255	100.0
Other–not stated	1534	93.9	66	4.0	22	1.3	9	0.6	3	0.2	1634	100.0
TOTAL	90142	91.8	5439	5.5	1849	1.9	363	0.4	348	0.4	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Place of birth

Ninety-six per cent of mothers chose to give birth in a hospital birthing suite in 2012, compared with 3.5% who planned a birth centre birth and 0.2% who planned a home birth (Table 28). Planned birth centre births were most commonly reported in the Hunter New England and South Eastern Sydney Local Health Districts.

TABLE 28: PLACE OF BIRTH BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

								Place c	of birth							
Local Health District	Hospi	tal	Birth ce	ntre	Planno birth cer hospital ad	ntre-	Planned h		Planne homebi hospital ad	rth-	Born be		Not stat	ted		TOTAL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	8306	94.7	413	4.7	8	0.1	10	0.1	1	0.0	31	0.4	0	0.0	8769	100.0
South Western Sydney	13038	99.0	45	0.3	7	0.1	9	0.1	0	0.0	75	0.6	2	0.0	13176	100.0
South Eastern Sydney	11197	94.3	505	4.3	99	0.8	33	0.3	10	0.1	33	0.3	1	0.0	11878	100.0
Illawarra Shoalhaven	4358	97.4	60	1.3	5	0.1	19	0.4	1	0.0	32	0.7	1	0.0	4476	100.0
Western Sydney	14024	96.0	355	2.4	130	0.9	13	0.1	1	0.0	78	0.5	0	0.0	14601	100.0
Nepean Blue Mountains	4651	97.1	75	1.6	15	0.3	19	0.4	3	0.1	25	0.5	0	0.0	4788	100.0
Northern Sydney	10412	97.7	172	1.6	11	0.1	23	0.2	2	0.0	33	0.3	0	0.0	10653	100.0
Central Coast	3627	94.9	154	4.0	16	0.4	2	0.1	0	0.0	23	0.6	1	0.0	3823	100.0
Hunter New England	10176	89.8	785	6.9	242	2.1	36	0.3	8	0.1	81	0.7	0	0.0	11328	100.0
Northern NSW	2571	92.3	157	5.6	4	0.1	22	0.8	1	0.0	31	1.1	0	0.0	2786	100.0
Mid North Coast	2196	97.9	19	0.8	8	0.4	5	0.2	0	0.0	15	0.7	0	0.0	2243	100.0
Southern NSW	1413	97.4	9	0.6	7	0.5	3	0.2	1	0.1	14	1.0	3	0.2	1450	100.0
Murrumbidgee	2340	97.4	26	1.1	20	0.8	2	0.1	1	0.0	13	0.5	0	0.0	2402	100.0
Western NSW	3796	97.9	36	0.9	19	0.5	3	0.1	1	0.0	22	0.6	2	0.1	3879	100.0
Far West	242	94.9	6	2.4	1	0.4	2	0.8	0	0.0	2	0.8	2	0.8	255	100.0
Other-not stated	1598	97.8	20	1.2	4	0.2	1	0.1	0	0.0	11	0.7	0	0.0	1634	100.0
TOTAL	93945	95.7	2837	2.9	596	0.6	202	0.2	30	0.0	519	0.5	12	0.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Labour

In 2012, the onset of labour was spontaneous in 54.1% of confinements (Table 29). Labour was induced in 27.3% of confinements and no labour (elective caesarean section) was reported in 18.6%. The rate of spontaneous onset of labour was highest among residents of the Southern NSW Local Health District (67.4%). The highest rate of induction of labour was among residents of the Hunter New England Local Health District (30.9%).

TABLE 29: ONSET AND AUGMENTATION OF LABOUR BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

									On	set of I	abour									
Local Health District	Sponta	neous	Spontar augme with A	nted	Spontal augme with oxy prostagla	nted rtocics/	No lal	bour	Induc oxyto prostagl	cics/	Induce ARM o		Induced + oxyto prostagla	ocics/	Induced–	other <sup>‡</sup>	Not sta	ited	тот	AL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	3279	37.4	348	4.0	1188	13.5	1746	19.9	828	9.4	155	1.8	1218	13.9	7	0.1	0	0.0	8769	100.0
South Western Sydney	5394	40.9	1160	8.8	1144	8.7	2201	16.7	1403	10.6	163	1.2	1682	12.8	28	0.2	1	0.0	13176	100.0
South Eastern Sydney	4082	34.4	928	7.8	1237	10.4	2479	20.9	1115	9.4	256	2.2	1761	14.8	19	0.2	1	0.0	11878	100.0
Illawarra Shoalhaven	1571	35.1	356	8.0	327	7.3	839	18.7	322	7.2	110	2.5	942	21.0	9	0.2	0	0.0	4476	100.0
Western Sydney	5260	36.0	1056	7.2	1401	9.6	2562	17.5	1482	10.1	150	1.0	2674	18.3	15	0.1	1	0.0	14601	100.0
Nepean Blue Mountains	1839	38.4	292	6.1	262	5.5	978	20.4	486	10.2	82	1.7	837	17.5	11	0.2	1	0.0	4788	100.0
Northern Sydney	3903	36.6	623	5.8	899	8.4	2454	23.0	917	8.6	222	2.1	1620	15.2	11	0.1	4	0.0	10653	100.0
Central Coast	1367	35.8	217	5.7	335	8.8	742	19.4	408	10.7	39	1.0	706	18.5	9	0.2	0	0.0	3823	100.0
Hunter New England	4695	41.4	483	4.3	707	6.2	1908	16.8	1207	10.7	191	1.7	2100	18.5	30	0.3	7	0.1	11328	100.0
Northern NSW	1428	51.3	184	6.6	224	8.0	370	13.3	277	9.9	37	1.3	262	9.4	4	0.1	0	0.0	2786	100.0
Mid North Coast	1039	46.3	125	5.6	172	7.7	377	16.8	225	10.0	47	2.1	254	11.3	4	0.2	0	0.0	2243	100.0
Southern NSW	738	50.9	133	9.2	107	7.4	208	14.3	144	9.9	27	1.9	91	6.3	1	0.1	1	0.1	1450	100.0
Murrumbidgee	982	40.9	144	6.0	119	5.0	487	20.3	307	12.8	93	3.9	266	11.1	4	0.2	0	0.0	2402	100.0
Western NSW	1695	43.7	226	5.8	186	4.8	675	17.4	355	9.2	128	3.3	604	15.6	8	0.2	2	0.1	3879	100.0
Far West	140	54.9	11	4.3	6	2.4	44	17.3	41	16.1	3	1.2	8	3.1	0	0.0	2	0.8	255	100.0
Other–not stated	732	44.8	103	6.3	216	13.2	183	11.2	176	10.8	26	1.6	195	11.9	3	0.2	0	0.0	1634	100.0
TOTAL	38144	38.9	6389	6.5	8530	8.7	18253	18.6	9693	9.9	1729	1.8	15220	15.5	163	0.2	20	0.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

ARM: artificial rupture of membranes.
† May include artificial rupture of membranes.
‡ This category includes other forms of induction such as Foley's catheter.

#### Birth

Fifty-seven percent of births were normal vaginal births in 2012, 11.4% were instrumental and 31.1% were by caesarean section (Table 30). The highest rate of normal vaginal birth was 68.4% among residents of the Northern NSW Local Health District, while the highest rate of instrumental birth was 15.8% among residents of the South Eastern Sydney Local Health District. The caesarean section rate varied from 24.1% among mothers resident in the Northern NSW Local Health District to 37.2% in the Northern Sydney LHD.

TABLE 30: TYPE OF BIRTH BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

								Туре о	f birth							
Local Health District	Normal v	aginal	Forcep	)S	Vacuum ex	traction	Vaginal b	reech	Elective cae section		Emerge caesarean s		Not stat	ted	тот	<b>AL</b>
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	4540	51.8	559	6.4	704	8.0	39	0.4	1746	19.9	1179	13.4	2	0.0	8769	100.0
South Western Sydney	8629	65.5	270	2.0	862	6.5	44	0.3	2201	16.7	1169	8.9	1	0.0	13176	100.0
South Eastern Sydney	5913	49.8	735	6.2	1141	9.6	46	0.4	2479	20.9	1562	13.2	2	0.0	11878	100.0
Illawarra Shoalhaven	2631	58.8	112	2.5	353	7.9	16	0.4	839	18.7	525	11.7	0	0.0	4476	100.0
Western Sydney	8279	56.7	769	5.3	963	6.6	92	0.6	2562	17.5	1935	13.3	1	0.0	14601	100.0
Nepean Blue Mountains	2660	55.6	110	2.3	357	7.5	9	0.2	978	20.4	673	14.1	1	0.0	4788	100.0
Northern Sydney	5292	49.7	598	5.6	782	7.3	17	0.2	2454	23.0	1509	14.2	1	0.0	10653	100.0
Central Coast	2052	53.7	209	5.5	267	7.0	16	0.4	742	19.4	537	14.0	0	0.0	3823	100.0
Hunter New England	6765	59.7	376	3.3	784	6.9	60	0.5	1908	16.8	1431	12.6	4	0.0	11328	100.0
Northern NSW	1906	68.4	92	3.3	104	3.7	12	0.4	370	13.3	301	10.8	1	0.0	2786	100.0
Mid North Coast	1394	62.1	68	3.0	113	5.0	6	0.3	377	16.8	285	12.7	0	0.0	2243	100.0
Southern NSW	926	63.9	68	4.7	73	5.0	4	0.3	208	14.3	170	11.7	1	0.1	1450	100.0
Murrumbidgee	1370	57.0	52	2.2	163	6.8	7	0.3	487	20.3	321	13.4	2	0.1	2402	100.0
Western NSW	2478	63.9	74	1.9	183	4.7	21	0.5	675	17.4	448	11.5	0	0.0	3879	100.0
Far West	160	62.7	10	3.9	2	0.8	1	0.4	44	17.3	36	14.1	2	0.8	255	100.0
Other-not stated	998	61.1	90	5.5	130	8.0	9	0.6	183	11.2	224	13.7	0	0.0	1634	100.0
TOTAL	55993	57.1	4192	4.3	6981	7.1	399	0.4	18253	18.6	12305	12.5	18	0.0	98141	100.0

† Emergency caesarean section includes caesarean sections where the onset of labour was not stated.

#### Birth weight

In 2012, 6.1% of babies were low birth weight (less than 2,500 grams). These comprised 0.7% of babies with a birth weight less than 1,000 grams, 0.5% in the 1,000 to 1,499 gram range and 4.9% in the 1,500 to 2,499 gram range (Table 31). Rates of low birth weight ranged from 4.6% in the Southern NSW Local Health District to 7.1% in the Western NSW Local Health District.

TABLE 31: BIRTH WEIGHT BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

											Birth	weig	ht (gra	ms)										
Local Health District	Less t		500-	999	1000-	1499	1500-	1999	2000–2	2499	2500-	2999	3000-	3499	3500-	3999	4000-	4499	4500	)+	Not st	ated	то	TAL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	29	0.3	41	0.5	41	0.5	107	1.2	332	3.7	1456	16.4	3477	39.1	2527	28.4	770	8.7	95	1.1	8	0.1	8883	100.0
South Western Sydney	35	0.3	64	0.5	86	0.6	164	1.2	484	3.6	2292	17.2	5032	37.7	3765	28.2	1204	9.0	215	1.6	11	0.1	13352	100.0
South Eastern Sydney	32	0.3	48	0.4	67	0.6	132	1.1	452	3.7	1871	15.5	4592	38.1	3693	30.6	1004	8.3	156	1.3	10	0.1	12057	100.0
Illawarra Shoalhaven	13	0.3	22	0.5	17	0.4	60	1.3	165	3.6	648	14.3	1640	36.1	1435	31.6	478	10.5	61	1.3	2	0.0	4541	100.0
Western Sydney	38	0.3	61	0.4	61	0.4	181	1.2	600	4.1	2581	17.4	5590	37.8	4198	28.4	1259	8.5	213	1.4	12	0.1	14794	100.0
Nepean Blue Mountains	12	0.2	23	0.5	33	0.7	63	1.3	195	4.0	658	13.5	1722	35.4	1515	31.2	530	10.9	105	2.2	5	0.1	4861	100.0
Northern Sydney	11	0.1	25	0.2	53	0.5	101	0.9	330	3.0	1574	14.5	4053	37.5	3484	32.2	1017	9.4	172	1.6	2	0.0	10822	100.0
Central Coast	9	0.2	18	0.5	23	0.6	52	1.3	138	3.6	534	13.7	1334	34.3	1234	31.8	445	11.5	97	2.5	1	0.0	3885	100.0
Hunter New England	31	0.3	63	0.5	85	0.7	155	1.3	456	4.0	1692	14.7	3937	34.2	3658	31.8	1209	10.5	205	1.8	4	0.0	11495	100.0
Northern NSW	6	0.2	9	0.3	2	0.1	24	0.9	111	3.9	366	13.0	947	33.7	932	33.2	346	12.3	67	2.4	1	0.0	2811	100.0
Mid North Coast	7	0.3	9	0.4	15	0.7	21	0.9	78	3.4	306	13.5	819	36.0	691	30.4	287	12.6	38	1.7	1	0.0	2272	100.0
Southern NSW	4	0.3	2	0.1	2	0.1	9	0.6	50	3.4	167	11.4	528	36.1	476	32.6	187	12.8	34	2.3	2	0.1	1461	100.0
Murrumbidgee	8	0.3	11	0.5	7	0.3	16	0.7	99	4.1	341	14.0	895	36.9	734	30.2	269	11.1	48	2.0	0	0.0	2428	100.0
Western NSW	11	0.3	19	0.5	27	0.7	64	1.6	160	4.1	565	14.3	1371	34.8	1252	31.8	391	9.9	79	2.0	3	0.1	3942	100.0
Far West	2	0.8	2	0.8	0	0.0	1	0.4	7	2.7	41	16.0	94	36.6	78	30.4	25	9.7	5	1.9	2	0.8	257	100.0
Other-not stated	4	0.2	11	0.7	2	0.1	16	1.0	57	3.5	264	16.0	616	37.4	499	30.3	150	9.1	28	1.7	2	0.1	1649	100.0
TOTAL	252	0.3	428	0.4	521	0.5	1166	1.2	3714	3.7	15356	15.4	36647	36.8	30171	30.3	9571	9.6	1618	1.6	66	0.1	99510	100.0

#### Gestational age

The majority of births (91.8%) were at term, and 0.6% were post-term (42-plus weeks). The 7.6% of preterm births comprised 0.7% born at less than 28 weeks, 0.7% at 28-31 weeks, and 6.2% at 32-36 weeks. The highest rate of preterm birth was 9.5% in the Western NSW Local Health District, while the lowest was 4.3% in the Southern NSW Local Health District (Table 32).

TABLE 32: GESTATIONAL AGE BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

						G	iestational aç	ge (weeks	)					
Local Health District	< 28		28–31		32–36	j	37–4	1	42 +		Not sta	ted	ТОТА	ıL .
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	72	0.8	62	0.7	499	5.6	8207	92.4	43	0.5	0	0.0	8883	100.0
South Western Sydney	99	0.7	100	0.7	839	6.3	12281	92.0	33	0.2	0	0.0	13352	100.0
South Eastern Sydney	75	0.6	82	0.7	751	6.2	11082	91.9	66	0.5	1	0.0	12057	100.0
Illawarra Shoalhaven	30	0.7	34	0.7	308	6.8	4149	91.4	20	0.4	0	0.0	4541	100.0
Western Sydney	103	0.7	79	0.5	823	5.6	13747	92.9	42	0.3	0	0.0	14794	100.0
Nepean Blue Mountains	37	0.8	40	0.8	348	7.2	4409	90.7	27	0.6	0	0.0	4861	100.0
Northern Sydney	32	0.3	62	0.6	577	5.3	10098	93.3	53	0.5	0	0.0	10822	100.0
Central Coast	29	0.7	35	0.9	270	6.9	3540	91.1	11	0.3	0	0.0	3885	100.0
Hunter New England	97	0.8	99	0.9	834	7.3	10375	90.3	89	0.8	1	0.0	11495	100.0
Northern NSW	18	0.6	4	0.1	184	6.5	2553	90.8	52	1.8	0	0.0	2811	100.0
Mid North Coast	21	0.9	15	0.7	140	6.2	2072	91.2	23	1.0	1	0.0	2272	100.0
Southern NSW	5	0.3	6	0.4	52	3.6	1367	93.6	31	2.1	0	0.0	1461	100.0
Murrumbidgee	17	0.7	10	0.4	161	6.6	2218	91.4	22	0.9	0	0.0	2428	100.0
Western NSW	31	0.8	46	1.2	297	7.5	3530	89.5	37	0.9	1	0.0	3942	100.0
Far West	3	1.2	1	0.4	9	3.5	243	94.6	1	0.4	0	0.0	257	100.0
Other–not stated	17	1.0	4	0.2	92	5.6	1517	92.0	19	1.2	0	0.0	1649	100.0
TOTAL	686	0.7	679	0.7	6184	6.2	91388	91.8	569	0.6	4	0.0	99510	100.0
S NEWD : LIB L S II	.: (CADIL DI) C													

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Hepatitis B

Ninety-four per cent of babies in NSW were given a hepatitis B vaccination at birth. The highest rate of hepatitis B vaccinations at birth was 98.1% in South Western Sydney, while the lowest was 82.9% in Northern NSW (Table 33).

TABLE 33: HEPATITIS B DOSE GIVEN TO LIVEBORN BABIES, NSW 2012

				Hepatitis B dose	given			
Local Health District	No		Yes		Not stated		TOTAL	
Γ	No.	%	No.	%	No.	%	No.	%
Sydney	614	7.0	8202	93.0	4	0.0	8820	100.0
South Western Sydney	250	1.9	13014	98.1	1	0.0	13265	100.0
South Eastern Sydney	1224	10.2	10761	89.8	4	0.0	11989	100.0
Illawarra Shoalhaven	253	5.6	4259	94.4	0	0.0	4512	100.0
Western Sydney	494	3.4	14196	96.6	6	0.0	14696	100.0
Nepean Blue Mountains	286	5.9	4543	94.0	2	0.0	4831	100.0
Northern Sydney	823	7.6	9964	92.3	3	0.0	10790	100.0
Central Coast	236	6.1	3619	93.8	2	0.1	3857	100.0
Hunter New England	509	4.5	10914	95.5	1	0.0	11424	100.0
Northern NSW	477	17.1	2312	82.9	0	0.0	2789	100.0
Mid North Coast	195	8.7	2059	91.3	0	0.0	2254	100.0
Southern NSW	94	6.5	1350	93.2	4	0.3	1448	100.0
Murrumbidgee	86	3.6	2332	96.4	1	0.0	2419	100.0
Western NSW	155	4.0	3736	95.9	6	0.2	3897	100.0
Far West	14	5.6	238	94.4	0	0.0	252	100.0
Other–not stated	172	10.5	1458	89.3	2	0.1	1632	100.0
TOTAL	5882	5.9	92957	94.0	36	0.0	98875	100.0

 $Source: NSW\ Perinatal\ Data\ Collection\ (SAPHaRI).\ Centre\ for\ Epidemiology\ and\ Evidence,\ NSW\ Ministry\ of\ Health.$ 

#### Infant feeding

In 2012, infant feeding on discharge from hospital was reported for 98,875 liveborn babies (Table 34). The majority of babies (82.1%) were reported to be fully breastfed, 10.3% were receiving infant formula only, and a further 6.8% were being partially breastfed. Rates of full breastfeeding varied from 69.0% in the Far West Local Health District to 89.6% in the Northern NSW Local Health District.

TABLE 34: LIVE BIRTHS BY INFANT FEEDING ON DISCHARGE AND LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012

					Infant f	eeding				
Local Health District	Full breast-	feeding	Any breast	-feeding	Infant for	nula only	Not st	tated	тот	ΔL
	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	7861	89.1	458	5.2	447	5.1	54	0.6	8820	100.0
South Western Sydney	10605	79.9	425	3.2	2149	16.2	86	0.6	13265	100.0
South Eastern Sydney	9877	82.4	1411	11.8	613	5.1	88	0.7	11989	100.0
Illawarra Shoalhaven	3528	78.2	207	4.6	735	16.3	42	0.9	4512	100.0
Western Sydney	11426	77.7	1739	11.8	1399	9.5	132	0.9	14696	100.0
Nepean Blue Mountains	3690	76.4	362	7.5	743	15.4	36	0.7	4831	100.0
Northern Sydney	9372	86.9	1007	9.3	354	3.3	57	0.5	10790	100.0
Central Coast	3170	82.2	217	5.6	437	11.3	33	0.9	3857	100.0
Hunter New England	9383	82.1	402	3.5	1528	13.4	111	1.0	11424	100.0
Northern NSW	2499	89.6	65	2.3	200	7.2	25	0.9	2789	100.0
Mid North Coast	1917	85.0	95	4.2	212	9.4	30	1.3	2254	100.0
Southern NSW	1228	84.8	44	3.0	152	10.5	24	1.7	1448	100.0
Murrumbidgee	1888	78.0	72	3.0	430	17.8	29	1.2	2419	100.0
Western NSW	3054	78.4	156	4.0	607	15.6	80	2.1	3897	100.0
Far West	174	69.0	15	6.0	58	23.0	5	2.0	252	100.0
Other-not stated	1482	90.8	34	2.1	99	6.1	17	1.0	1632	100.0
TOTAL	81154	82.1	6709	6.8	10163	10.3	849	0.9	98875	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

#### Perinatal outcomes

The perinatal mortality rate in 2012 was 8.2 per 1,000 births. This rate includes all live births, and stillbirths of at least 400 grams birth weight or at least 20 weeks gestation (Table 35). The perinatal mortality rate varied from 4.4 per 1,000 births in the Northern Sydney Local Health District to 15.6 per 1,000 births in the Far West Local Health District.

TABLE 35: PERINATAL OUTCOMES BY LOCAL HEALTH DISTRICT OF RESIDENCE, 2012#

Local Health District	Liveborn su	rviving	Stillbo	rn	Neonatal o	leath	Not sta	ted	Death-age n	ot stated	Total bi	rths	Perinatal death rate/1,000 births
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.
Sydney	8804	99.1	62	0.7	16	0.2	1	0.0	0	0.0	8883	100.0	8.8
South Western Sydney	13223	99.0	86	0.6	40	0.3	1	0.0	2	0.0	13352	100.0	9.4
South Eastern Sydney	11957	99.2	59	0.5	28	0.2	9	0.1	4	0.0	12057	100.0	7.2
Illawarra Shoalhaven	4502	99.1	28	0.6	10	0.2	1	0.0	0	0.0	4541	100.0	8.4
Western Sydney	14668	99.1	96	0.6	28	0.2	2	0.0	0	0.0	14794	100.0	8.4
Nepean Blue Mountains	4823	99.2	29	0.6	8	0.2	1	0.0	0	0.0	4861	100.0	7.6
Northern Sydney	10774	99.6	32	0.3	16	0.1	0	0.0	0	0.0	10822	100.0	4.4
Central Coast	3849	99.1	27	0.7	8	0.2	1	0.0	0	0.0	3885	100.0	9.0
Hunter New England	11400	99.2	71	0.6	24	0.2	0	0.0	0	0.0	11495	100.0	8.3
Northern NSW	2783	99.0	16	0.6	6	0.2	6	0.2	0	0.0	2811	100.0	7.8
Mid North Coast	2251	99.1	18	0.8	3	0.1	0	0.0	0	0.0	2272	100.0	9.2
Southern NSW	1446	99.0	12	0.8	2	0.1	1	0.1	0	0.0	1461	100.0	9.6
Murrumbidgee	2413	99.4	9	0.4	6	0.2	0	0.0	0	0.0	2428	100.0	6.2
Western NSW	3885	98.6	35	0.9	12	0.3	10	0.3	0	0.0	3942	100.0	11.9
Far West	251	97.7	3	1.2	1	0.4	2	0.8	0	0.0	257	100.0	15.6
Other–not stated	1628	98.7	17	1.0	4	0.2	0	0.0	0	0.0	1649	100.0	12.7
TOTAL	98657	99.1	600	0.6	212	0.2	35	0.0	6	0.0	99510	100.0	8.2

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Perinatal deaths include deaths reported to the PDC only. As the PDC form is completed at discharge or transfer of the baby, deaths occurring after this time may not be reported to the PDC.

(Continued on next page)

#### Live births by statistical local areas

#### TABLE 36: LIVE BIRTHS BY LOCAL HEALTH DISTRICT AND STATISTICAL LOCAL AREA OF RESIDENCE, NSW 2012#

Sydney         Ash field         618         7.0           Burwood         419         4.8           Canada Bay-Concord         664         7.5           Canada Bay-Concord         640         7.5           Canada Bay-Drummoyne         640         7.3           Canterbury         258         6.67           Leichhardt         999         113           Strathfield         509         10.1           Sydney-South         893         10.1           Sydney-West         513         56.8           TOTAL         820         1000           South Western Sydney         393         10.1           Sydney-West         152         56.8           TOTAL         820         700           Camden         822         6.7           Cambell Swin-North-West         109         9.2           Cambell Swin-South         1162         8.8           Fairfield-East         119         9.0           Campbell Swin-South         1162         8.8           Fairfield-West         119         9.0           Urerpool-East         119         9.0           Woll Gundilly         50         4.2 <th>Local Health District-Statistical Local Area</th> <th>No.</th> <th>%</th>	Local Health District-Statistical Local Area	No.	%
Ashfield         618         7.0           Burwood         419         4.8           Canada Bay-Concord         664         7.3           Canada Bay-Drummoyne         640         7.3           Canada Bay-Drummoyne         268         26.7           Leichhardt         999         11.3           Marrickville         1187         13.5           Strathfield         520         60           Sydney-South         893         10.0           Sydney-West         513         5.8           TOTAL         820         100.0           South Western Sydney         82         8.2           Bankstown-North-East         1238         9.3           Bankstown-South         1197         9.0           Campbelltown-South         1197         9.0           Campbelltown-South         1192         9.0           Campbelltown-South         1192         9.0           Campbelltown-South         1192         9.0           Campbelltown-South         1192         9.0           Campbelltown-South         1193         9.0           Campbelltown-Fouth         1197         9.0           Campbelltown-South <th< td=""><td>Sydney</td><td></td><td></td></th<>	Sydney		
Canada Bay-Concord         664         7.5           Canterbury         258         26.7           Canterbury         258         26.7           Canterbury         258         26.7           Canterbury         135         26.7           Marrickville         1187         13.5           Strathfield         529         6.0           Sydney-South         880         100.0           Sydney-West         151         5.8           TOTAL         882         100.0           South Western Sydney         882         6.0           Bankstown-North-West         1092         8.8           Bankstown-South         7.5         5.6           Camden         892         6.7           Campbelltown-South         1162         8.8           Fairfield-East         194         16.6           Fairfield-West         195         6.2           Liverpool-East         196         6.2           Liverpool-East         196         6.2           Liverpool-East         196         6.2           Wollondilly         50         4.0           TOTAL         136         10.1 <t< td=""><td></td><td>618</td><td>7.0</td></t<>		618	7.0
Canada Bay-Drummoyne         640         7.3           Canterbury         2358         26.7           Leichhardt         199         11.3           Marrickville         1187         3.5           Strathfield         529         6.0           Sydney-South         830         10.0           Sydney-West         513         5.88           TOTAL         820         100.0           South Western Sydney         1238         9.3           Bankstown-North-West         1028         8.2           Bankstown-South         105         8.2           Campel Blown-South         1107         9.0           Campbell town-South         1107         9.0           Campbell town-South         1107         9.0           Earlifield-Best         1194         14.6           Fairfield-Best         1196         4.2           Liverpool-Hest         1197         9.0           William Sylver         1197         9.0           William Sylver         1197         9.0           William Sylver         1197         9.0           William Sylver         1198         1.2           Liver pool-Lest         1198	Burwood	419	4.8
Canterbury         2358         26.7           Leichhardt         999         11.3           Marrickville         1187         13.5           Strathfield         529         6.0           Sydney-South         893         10.0           Sydney-West         513         5.8           TOTAL         820         100.0           South Western Sydney         1238         9.3           Bankstown-North-Bast         1238         9.3           Bankstown-South         75         5.6           Cambell town-South         1197         9.0           Campbell town-South         1197         9.0           Campbell town-South         1162         8.8           Fairfield-East         1943         14.6           Eliverpool-East         1965         14.8           Liverpool-West         1197         9.0           Wingecarribee         424         3.2           Wollondilly         590         4.4           TOTAL         1326         10.0           South Eastern Sydney         639         5.3           Hurstville         121         10.0           Koggarah         8.9         7.1	Canada Bay–Concord	664	7.5
Leichhardt         999         11.3           Marrickville         1187         3.55           Strathfield         529         6.0           SydneyWest         513         5.8           TOTAL         820         100.0           South Western Sydney         Bankstown-North-East         1828         9.3           Bankstown-North-West         1902         8.2           Bankstown-South         745         5.6           Camden         892         6.7           Campbelltown-South         1102         8.8           Fairfield-East         1943         14.6           Fairfield-West         199         6.2           Liverpool-East         199         6.2           Liverpool-West         1197         9.0           Wingecarribee         424         3.2           Wollondilly         509         4.4           TOTAL         326         7.0           Bottar Satem Sylney         89         7.1           Rockale         1101         9.0           Kogarah         89         7.1           Rondwick         206         171           Kogarah         89         7.2 <td>Canada Bay–Drummoyne</td> <td>640</td> <td>7.3</td>	Canada Bay–Drummoyne	640	7.3
Marrickville         1187         31.35           Strathfield         529         6.0           Sydney-South         893         10.1           Sydney-West         183         10.1           TOTAL         820         1000           South Western Sydney           Bankstown-North-East         1228         9.3           Bankstown-South         105         8.2           Campbelltown-South         1107         9.0           Campbelltown-South         1162         8.8           Fairifield-East         196         6.2           Fairifield-West         189         6.2           Liverpool-East         196         6.2           Liverpool-West         1197         9.0           Wilngearribee         42         3.2           Wollolandilly         509         4.0           TOTAL         326         100           South Eastern Sydney         100         100           Bottle State Sydney         100         100           Substituted Shire-East         138         11.6           Stutherland Shire-East         138         11.6           Sutherland Shire-East         136         12.2		2358	26.7
Strathfield         50         6.0           Sydney-South         803         10.1           Sydney-West         513         5.88           TOTAL         820         100.0           South Western Sydney         880         10.0           Bankstown-North-East         1238         9.3           Bankstown-South         1052         8.2           Campbelltown-South         1197         9.0           Campbelltown-South         1193         14.6           Fairfield-East         1943         14.6           Fairfield-Bast         1963         14.2           Eliverpool-West         1197         9.0           Willogearribee         424         3.2           Wollondilly         509         4.4           TOTAL         1264         100.0           South Eastern Sydney         53         15.3           Bursville         121         100.0           Kogarah         361         12.4         10.1           Kogarah         361         12.4         10.1           Kogarah         361         12.4         10.1           Kogarah         361         12.2         10.2	Leichhardt	999	11.3
Sydney-South         893         10.1           Sydney-West         513         5.8           TOTAL         8820         100.0           South Western Sydney         Bankstown-North-East         1228         9.3           Bankstown-North-West         1092         8.2           Bankstown-South         745         5.6           Camden         892         6.7           Campbelltown-North         1192         9.8           Campbelltown-South         1162         8.8           Fairfield-East         1943         14.6           Earifield-West         1995         14.8           Euverpool-East         1965         14.8           Euverpool-West         1995         4.4           Wollondilly         50         4.4           Stury Bay         63         5.3           Hurstville         121         10.1           Kogarah         849         7.1           Rockdale         171         14.3           Stutherland Shire-East         136         14.2           Sutherland Shire-East         136         14.2           Waverley         176         9.8           Wollongard Shire-East	Marrickville	1187	13.5
Sydney-West         51         5.88         1000           TOTAL         8820         100.00           South Western Sydney         8820         100.00           Bankstown-North-East         1238         9.8           Bankstown-South         745         5.6           Campdel         392         6.7           Campbelltown-North         1197         9.0           Campbelltown-South         1162         8.8           Fairfield-Bast         1943         14.8           Fairfield-West         1197         9.0           Liverpool-East         1965         14.8           Liverpool-West         1197         9.0           Wingecarribee         424         3.2           Wollondilily         590         4.4           TOTAL         326         10.0           Sutherland Shire-West         363         10.0           Southerland Shire-West         363         17.1         14.3           Sutherland Shire-West         360         12.2         14.6         12.2         14.0         14.1         14.3         14.6         12.2         14.0         14.1         14.3         14.2         14.0         14.1         14.3<	Strathfield	529	6.0
TOTAL         8820         1000           South Western Sydney         Sumbattown-North-East         1238         9.3           Bankstown-North-West         1092         8.2           Bankstown-South         475         5.6           Camden         892         6.7           Campbelltown-South         1197         9.0           Campbelltown-South         1162         8.8           Fairfield-East         1943         14.6           Eairfield-West         1993         6.2           Liverpool-Best         1996         14.8           Liverpool-West         1197         9.0           Willoudilly         590         4.4           TOTAL         326         100.0           South Eastern Sydney         539         5.3           Hurstville         2124         10.1         1           Kogarah         849         7.1         2           Rockdale         1711         14.3         1           Sutherland Shire-East         338         1.6         1           Sydney-East         501         4.2         2           Sydney-East         501         4.2         2           Wollahra </td <td>Sydney–South</td> <td>893</td> <td>10.1</td>	Sydney–South	893	10.1
South Western Sydney         1238         9,3           Bankstown-North-East         1922         8.2           Bankstown-South         765         5.6           Camden         892         6.7           Campbelltown-South         1197         9.0           Campbelltown-South         1162         8.8           Fairfield-East         1943         14.6           Fairfield-West         1197         9.0           Liverpool-East         1197         9.0           Wingecarribe         424         3.2           Wollondilly         590         4.4           TOTAL         1326         100.0           South Eastern Sydney         639         5.3           Hurstville         214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire-West         1466         12.2           Sydney-Inner         283         2.4           Sydney-Least         501         4.2           Woollahra         697         5.8           Other-not stated         30         10	Sydney–West	513	5.8
Bankstown-North-East         1238         9.3           Bankstown-South         1092         8.2           Camden         892         6.7           Campbelltown-North         1197         9.0           Campbelltown-South         1162         8.8           Fairfield-East         1943         14.6           Fairfield-West         199         6.2           Liverpool-East         1197         9.0           Wingecarribe         424         3.2           Wollondilly         590         4.4           TOTAL         326         100.0           South Eastern Sydney         639         6.3           Worly Bay         639         6.3           Kogarah         89         7.1           Kogarah         26         17.1           Kogarah         26         17.1           Rockdale         1711         14.3           Sutherland Shire-East         1387         11.6           Sutherland Shire-Ewest         136         2.4           Sydney-Inner         283         2.4           Sydney-East         50         2.6           Woollahra         697         5.8	TOTAL	8820	100.0
Bankstown-North-West         1092         8.2           Bankstown-South         745         5.6           Camden         892         6.7           Campbelltown-North         1197         9.0           Campbelltown-South         1162         8.8           Fairfield-East         1943         14.6           Fairfield-West         1197         9.0           Liverpool-East         1197         9.0           Wingcarribee         424         3.2           Wollondilly         50         4.4           TOTAL         1326         100.0           South Eastern Sydney         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.0           Sutherland Shire-East         1387         11.6           Sudney-Inner         283         2.4           Sydney-East         501         4.2           Waverley         1176         9.8           Wollahra         697         5.8           Volley-Inort stated         3         0.0	South Western Sydney		
Bankstown-South         745         5.6           Camden         892         6.7           Campbelltown-North         1197         9.0           Campbelltown-South         1162         8.8           Fairfield-East         1943         14.6           Eiverpool-East         11965         14.8           Liverpool-West         1197         9.0           Wingecarribee         424         3.2           Wollondilly         590         4.4           TOTAL         136         100.0           South Eastern Sydney         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire-East         1387         11.6           Sutherland Shire-East         1387         11.6           Sutherland Shire-West         1466         12.2           Sydney-East         501         4.2           Waverley         1176         9.8           Wollahra         697         5.8           Other-not stated         3         0 <td>Bankstown–North-East</td> <td>1238</td> <td>9.3</td>	Bankstown–North-East	1238	9.3
Camden         892         6.7           Campbelltown-North         1197         9.0           Campbelltown-South         1162         8.8           Fairfield-East         1943         14.6           Fairfield-West         1993         6.2           Liverpool-East         1965         14.8           Liverpool-West         1197         9.0           Wingecarribee         424         3.2           Wollondilly         590         4.4           TOTAL         1326         100.0           South Eastern Sydney         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire-East         3387         11.6           Sutherland Shire-West         1466         12.2           Sydney-East         501         4.2           Wowerley         1176         9.8           Wowerley         1176         9.8           Wollahra         697         5.8           Other-not stated         3         0.0	Bankstown–North-West	1092	8.2
Campbelltown-North         1197         9.0           Campbelltown-South         1162         8.8           Fairfield-East         1943         14.6           Fairfield-West         819         6.2           Liverpool-East         1965         14.8           Liverpool-West         1197         9.0           Wollondilly         590         4.4           TOTAL         13264         100.0           South Eastern Sydney           Botany Bay         639         5.3           Hurstville         214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire-East         1387         11.6           Sutherland Shire-West         1466         12.2           Sydney-East         501         4.2           Waverley         1176         9.8           Wollahra         697         5.8           Other-not stated         3         0.0           TOTAL         1989         10.0           Bilawaras Shoalhaven         180         19.5           Kiama	Bankstown–South	745	5.6
Campbelltown–South         1162         8.8           Fairfield–East         1943         14.6           Fairfield–West         819         6.2           Liverpool–East         1965         14.8           Liverpool–West         1197         9.0           Wingecarribee         424         3.2           Wollondilly         590         4.4           TOTAL         1326         100.0           South Eastern Sydney           Botany Bay         639         5.3           Hurstville         2121         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire–East         387         11.6           Sutherland Shire–West         1466         12.2           Sydney–East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         198         10.0           Illawarra Shoalhaven         180         10.0           Kiama	Camden	892	6.7
Fairfield-East         1943         1.46           Fairfield-West         819         6.2           Liverpool-East         1965         14.8           Liverpool-West         1197         9.0           Wingecarribee         424         3.2           Wollondilly         590         4.4           TOTAL         136         100.0           South Eastern Sydney           Botany Bay         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire-East         1387         11.6           Sutherland Shire-West         1466         12.2           Sydney-East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Ilwarra Shoalhaven         187         4.1           Shoalhaven-Pt A         464         10.3           Shoalhaven-Pt B	Campbelltown–North	1197	9.0
Fairfield-West         819         6.2           Liverpool-East         1965         14.8           Liverpool-West         1197         9.0           Wingecarribee         424         3.2           Wollondrilly         590         4.4           TOTAL         1326         100.0           South Eastern Sydney           Botany Bay         639         5.3           Hurstville         639         5.3           Hurstville         649         7.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire-East         1387         11.6           Sutherland Shire-West         146         12.2           Sydney-Inner         283         2.4           Sydney-East         501         4.2           Woverley         1176         9.8           Worley         1186         9.1	Campbelltown–South	1162	8.8
Liverpool-East         1965         14.8           Liverpool-West         1197         9.0           Wingecarribee         424         3.2           Wollondilly         590         4.4           TOTAL         1326         100.0           South Bay         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         4.3           Sutherland Shire-East         1387         11.6           Sutherland Shire-West         1466         12.2           Sydney-East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         1199         10.0           Illawarra Shoalhaven         187         4.1           Shoalhaven-Pt A         464         10.3           Shollahaven-Pt B         535         11.9           Wollongong-Inner         120         2.6.7           Wollongong-Balance         120         2.6.7 <td>Fairfield–East</td> <td>1943</td> <td>14.6</td>	Fairfield–East	1943	14.6
Liverpool-West         1197         9.0           Wingecarribee         424         3.2           Wollondilly         590         4.4           TOTAL         13264         100.0           South Eastern Sydney         8         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         4.2           Sutherland Shire-East         1367         1.6           Sutherland Shire-West         1466         12.2           Sydney-Enet         283         2.4           Sydney-East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           Illawarra Shoalhaven         1176         9.8           Shollhaven-Pt A         44         10.3           Shollhaven-Pt B         535         11.9           Wollongong-Inner         120         2.6           Wollongong-Balance         120         2.6           TOTAL         451         10.0	Fairfield–West	819	6.2
Wingecarribee         424         3.2           Wollondilly         590         4.4           TOTAL         13264         100.0           South Eastern Sydney         639         5.3           Botany Bay         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire-East         136         11.6           Sutherland Shire-West         146         12.2           Sydney-East         201         4.2           Sydney-East         501         4.2           Woverley         1176         4.2           Woverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         1199         100.0           Illawarra Shoalhaven         187         4.1           Shoalhaven-Pt A         46         10.3           Shoalhaven-Pt B         53         11.9           Wollongong-Balance         120         20.7 <td< td=""><td>Liverpool–East</td><td>1965</td><td>14.8</td></td<>	Liverpool–East	1965	14.8
Wollondilly         590         4.4           TOTAL         13264         100.0           South Eastern Sydney         80         5.3           Botany Bay         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire-East         1387         11.6           Sutherland Shire-West         1466         12.2           Sydney-East         106         12.2           Sydney-East         501         4.2           Woverley         1176         9.8           Wollara         697         5.8           Other-not stated         3         0.0           TOTAL         1198         100.0           Illawarra Shoalhaven         80         19.5           Shoalhaven-Pt A         40         10.3           Shoalhaven-Pt B         53         11.9           Wollongong-Inner         120         26.7           Wollongong-Balance         120         26.7           TOTAL         51         10.0 <th< td=""><td>Liverpool-West</td><td>1197</td><td>9.0</td></th<>	Liverpool-West	1197	9.0
TOTAL         13264         100.0           South Eastern Sydney         639         5.3           Botany Bay         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire–East         1387         11.6           Sutherland Shire–West         1466         12.2           Sydney–East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         1199         100.0           Illawarra Shoalhaven         180         10.0           Kiama         187         4.1           Shellharbour         880         19.5           Shoalhaven–Pt A         46         10.3           Shoalhaven–Pt B         150         2.6           Wollongong-Inner         120         2.6           Wollongong-Balance         120         2.5           TOTAL         451         10.0           W	Wingecarribee	424	3.2
South Eastern Sydney         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire–East         1387         11.6           Sutherland Shire–West         1466         12.2           Sydney–East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         1199         100.0           Illawarra Shoalhaven         187         4.1           Shellharbour         880         19.5           Shoalhaven–Pt A         464         10.3           Shoalhaven–Pt B         535         11.9           Wollongong–Inner         120         26.7           Wollongong–Balance         120         27.5           TOTAL         451         100.0           Western Sydney         120         26.7           Auburn         1766         12.0           Blacktown–South-East         1770         12.0 <td>Wollondilly</td> <td>590</td> <td>4.4</td>	Wollondilly	590	4.4
Botany Bay         639         5.3           Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire–East         1387         11.6           Sutherland Shire–West         1466         12.2           Sydney–Inner         283         2.4           Sydney–East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         80         19.5           Kiama         187         4.1           Shoalhaven–Pt A         461         10.3           Shoalhaven–Pt B         535         11.9           Wollongong–Balance         1206         26.7           TOTAL         451         100.0           Western Sydney         120         20           Auburn         1766         12.0           Blacktown–South-East         170         12.0	TOTAL	13264	100.0
Hurstville         1214         10.1           Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire–East         1387         11.6           Sutherland Shire–West         1466         12.2           Sydney–Inner         283         2.4           Sydney–East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         100.0         100.0           Kiama         187         4.1         1           Shellharbour         880         19.5         1         1           Shoalhaven-Pt A         464         10.3         1	South Eastern Sydney		
Kogarah         849         7.1           Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire–East         1387         11.6           Sutherland Shire–West         1466         12.2           Sydney–Inner         283         2.4           Sydney–East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         80         10.0           Kiama         187         4.1           Shellharbour         880         19.5           Shoalhaven–Pt A         464         10.3           Shoalhaven–Pt B         535         11.9           Wollongong–Balance         1206         26.7           Wollongong–Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         120         12.0           Blacktown–North         1883         12.8           Blacktown–South–West         1885         12.8 <td>Botany Bay</td> <td>639</td> <td>5.3</td>	Botany Bay	639	5.3
Randwick         2063         17.2           Rockdale         1711         14.3           Sutherland Shire–East         1387         11.6           Sutherland Shire–West         1466         12.2           Sydney–Inner         283         2.4           Sydney–East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         187         4.1           Shellharbour         880         19.5           Shoalhaven–Pt A         464         10.3           Shoalhaven–Pt B         535         11.9           Wollongong–Inner         1206         26.7           Wollongong–Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         3         1.2           Auburn         1766         12.0           Blacktown–South–East         1770         12.0           Blacktown–South–East         1770         12.0           Blacktown–South–West         1885 <td< td=""><td>Hurstville</td><td>1214</td><td>10.1</td></td<>	Hurstville	1214	10.1
Rockdale         1711         14.3           Sutherland Shire–East         1387         11.6           Sutherland Shire–West         1466         12.2           Sydney–Inner         283         2.4           Sydney–East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         800         19.5           Kiama         187         4.1           Shoalhaven–Pt A         464         10.3           Shoalhaven–Pt B         535         11.9           Wollongong–Inner         1206         26.7           Wollongong–Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         3         1.2           Auburn         1766         12.0           Blacktown–North         1883         12.8           Blacktown–South-East         1770         12.0           Blacktown–South-West         1885         1.2           Holroyd         2046         13.9	Kogarah	849	7.1
Sutherland Shire–East         1387         11.6           Sutherland Shire–West         1466         12.2           Sydney–Inner         283         2.4           Sydney–East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         880         19.5           Kiama         187         4.1           Shoalhaven–Pt A         464         10.3           Shoalhaven–Pt B         535         11.9           Wollongong–Inner         1206         26.7           Wollongong–Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         3         12.0           Auburn         1766         12.0           Blacktown–South-East         1770         12.0           Blacktown–South-West         1885         12.8           Holroyd         2046         13.9           Parramatta–Inner         1186         8.1           Parramatta–North-East         693 <td< td=""><td>Randwick</td><td>2063</td><td>17.2</td></td<>	Randwick	2063	17.2
Sutherland Shire-West         1466         12.2           Sydney-Inner         283         2.4           Sydney-East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         880         19.5           Shoalhaven-Pt A         4.1         10.3           Shoalhaven-Pt B         535         11.9           Wollongong-Inner         1206         26.7           Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         3         12.8           Auburn         1766         12.0           Blacktown-South-West         1883         12.8           Blacktown-South-West         1885         12.8           Holroyd         2046         13.9           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945 </td <td>Rockdale</td> <td>1711</td> <td>14.3</td>	Rockdale	1711	14.3
Sydney-Inner         283         2.4           Sydney-East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         880         19.5           Shoalhaven-Pt A         464         10.3           Shoalhaven-Pt B         535         11.9           Wollongong-Inner         1206         26.7           Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         3         12.8           Auburn         1766         12.0           Blacktown-South-East         1770         12.0           Blacktown-South-West         1885         12.8           Holroyd         2046         13.9           Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945	Sutherland Shire–East	1387	11.6
Sydney-East         501         4.2           Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         Value         11989         100.0           Kiama         187         4.1         4.1         5hoalhaven         4.1         5hoalhaven-Pt A         4.64         10.3         5hoalhaven-Pt B         535         11.9         4.0         5hoalhaven-Pt B         535         11.9         4.0         26.7         4.0         26.7         26.7         27.5	Sutherland Shire–West	1466	12.2
Waverley         1176         9.8           Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         Kiama         187         4.1           Shellharbour         880         19.5           Shoalhaven-Pt A         464         10.3           Shoalhaven-Pt B         535         11.9           Wollongong-Inner         1206         26.7           Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         Vestern Sydney         Vestern Sydney           Auburn         1766         12.0           Blacktown-South-East         1770         12.0           Blacktown-South-West         1883         12.8           Holroyd         2046         13.9           Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4 <td>Sydney–Inner</td> <td>283</td> <td>2.4</td>	Sydney–Inner	283	2.4
Woollahra         697         5.8           Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         3         10.0           Kiama         187         4.1           Shellharbour         880         19.5           Shoalhaven-Pt A         464         10.3           Shoalhaven-Pt B         535         11.9           Wollongong-Inner         1206         26.7           Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         3         12.0           Auburn         1766         12.0           Blacktown-South-South-Bast         1770         12.0           Blacktown-South-West         1883         12.8           Holroyd         2046         13.9           Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4	Sydney–East	501	4.2
Other-not stated         3         0.0           TOTAL         11989         100.0           Illawarra Shoalhaven         8         10.5           Kiama         187         4.1           Shoalhaven-Pt A         464         10.3           Shoalhaven-Pt B         535         11.9           Wollongong-Inner         1206         26.7           Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         3         12.0           Auburn         1766         12.0           Blacktown-South-Bast         1770         12.0           Blacktown-South-West         1883         12.8           Holroyd         2046         13.9           Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4	Waverley	1176	9.8
TOTAL         11989         100.0           Illawarra Shoalhaven         187         4.1           Kiama         187         4.1           Shellharbour         880         19.5           Shoalhaven-Pt A         464         10.3           Shoalhaven-Pt B         535         11.9           Wollongong-Inner         1206         26.7           Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         3         12.0           Auburn         1766         12.0           Blacktown-South-Bast         1770         12.0           Blacktown-South-West         1885         12.8           Holroyd         2046         13.9           Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4	Woollahra	697	5.8
Illawarra Shoalhaven           Kiama         187         4.1           Shellharbour         880         19.5           Shoalhaven-Pt A         464         10.3           Shoalhaven-Pt B         535         11.9           Wollongong-Inner         1206         26.7           Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         4         1766         12.0           Blacktown-North         1883         12.8           Blacktown-South-East         1770         12.0           Blacktown-South-West         1885         12.8           Holroyd         2046         13.9           Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4		3	0.0
Kiama         187         4.1           Shellharbour         880         19.5           Shoalhaven–Pt A         464         10.3           Shoalhaven–Pt B         535         11.9           Wollongong–Inner         1206         26.7           Wollongong–Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         3         12.0           Auburn         1766         12.0           Blacktown–North         1883         12.8           Blacktown–South-East         1770         12.0           Blacktown–South-West         1885         12.8           Holroyd         2046         13.9           Parramatta–Inner         1186         8.1           Parramatta–North-East         693         4.7           Parramatta–North-West         628         4.3           Parramatta–South         821         5.6           The Hills Shire–Central         945         6.4	TOTAL	11989	100.0
Shellharbour         880         19.5           Shoalhaven-Pt A         464         10.3           Shoalhaven-Pt B         535         11.9           Wollongong-Inner         1206         26.7           Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         Vestern Sydney         1766         12.0           Blacktown-North         1883         12.8         12.8           Blacktown-South-East         1770         12.0         12.0         12.0           Blacktown-South-West         1885         12.8         14.0         12.0         12.0         13.0         12.0         13.0         12.0         13.0         12.0         13.0         13.0         12.0         13.0         13.0         12.0         13.0	Illawarra Shoalhaven		
Shoalhaven-Pt A         464         10.3           Shoalhaven-Pt B         535         11.9           Wollongong-Inner         1206         26.7           Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         V         1766         12.0           Blacktown-North         1883         12.8         12.8         12.0           Blacktown-South-East         1770         12.0			
Shoalhaven–Pt B         535         11.9           Wollongong–Inner         1206         26.7           Wollongong–Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         Vestern Sydney         Vestern Sydney           Auburn         1766         12.0           Blacktown–North         1883         12.8           Blacktown–South-East         1770         12.0           Blacktown–South-West         1885         12.8           Holroyd         2046         13.9           Parramatta–Inner         1186         8.1           Parramatta–North-East         693         4.7           Parramatta–North-West         628         4.3           Parramatta–South         821         5.6           The Hills Shire–Central         945         6.4			
Wollongong–Inner         1206         26.7           Wollongong–Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         30.0         10.0           Auburn         1766         12.0           Blacktown–North         1883         12.8           Blacktown–South-East         1770         12.0           Blacktown–South-West         1885         12.8           Holroyd         2046         13.9           Parramatta–Inner         1186         8.1           Parramatta–North-East         693         4.7           Parramatta–North-West         628         4.3           Parramatta–South         821         5.6           The Hills Shire–Central         945         6.4			
Wollongong-Balance         1240         27.5           TOTAL         4512         100.0           Western Sydney         1766         12.0           Blacktown-North         1883         12.8           Blacktown-South-East         1770         12.0           Blacktown-South-West         1885         12.8           Holroyd         2046         13.9           Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4			
TOTAL         4512         100.0           Western Sydney			
Western Sydney           Auburn         1766         12.0           Blacktown-North         1883         12.8           Blacktown-South-East         1770         12.0           Blacktown-South-West         1885         12.8           Holroyd         2046         13.9           Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4			
Auburn       1766       12.0         Blacktown-North       1883       12.8         Blacktown-South-East       1770       12.0         Blacktown-South-West       1885       12.8         Holroyd       2046       13.9         Parramatta-Inner       1186       8.1         Parramatta-North-East       693       4.7         Parramatta-North-West       628       4.3         Parramatta-South       821       5.6         The Hills Shire-Central       945       6.4		4512	100.0
Blacktown–North         1883         12.8           Blacktown–South-East         1770         12.0           Blacktown–South-West         1885         12.8           Holroyd         2046         13.9           Parramatta–Inner         1186         8.1           Parramatta–North-East         693         4.7           Parramatta–North-West         628         4.3           Parramatta–South         821         5.6           The Hills Shire–Central         945         6.4		4	4.5.5
Blacktown–South-East         1770         12.0           Blacktown–South-West         1885         12.8           Holroyd         2046         13.9           Parramatta–Inner         1186         8.1           Parramatta–North-East         693         4.7           Parramatta–North-West         628         4.3           Parramatta–South         821         5.6           The Hills Shire–Central         945         6.4			
Blacktown–South-West         1885         12.8           Holroyd         2046         13.9           Parramatta–Inner         1186         8.1           Parramatta–North-East         693         4.7           Parramatta–North-West         628         4.3           Parramatta–South         821         5.6           The Hills Shire–Central         945         6.4			
Holroyd         2046         13.9           Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4			
Parramatta-Inner         1186         8.1           Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4			
Parramatta-North-East         693         4.7           Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4			
Parramatta-North-West         628         4.3           Parramatta-South         821         5.6           The Hills Shire-Central         945         6.4			
Parramatta–South         821         5.6           The Hills Shire–Central         945         6.4			
The Hills Shire–Central 945 6.4			
THE HIIIS SHIFE—NORTH 627 4.3			
	THE HIIIS SNIFE—INORTH	627	4.3

Local Health District-Statistical Local Area	No.	%
The Hills Shire–South	447	3.0
TOTAL	14696	100.0
Nepean Blue Mountains		
Blue Mountains	844	17.5
Hawkesbury	858	17.8
Lithgow	244	5.
Penrith-East	1591	32.9
Penrith-West	1294	26.8
TOTAL	4832	100.0
Northern Sydney		
Hornsby–North	683	6.3
Hornsby–South	1192	11.0
Hunters Hill	138	1.3
Ku-ring-gai	964	8.9
Lane Cove	482	4.!
Manly	676	6.3
Mosman	329	3.0
North Sydney	1023	9.5
Pittwater	685	6.3
Ryde	1515	14.0
Warringah	2089	19.4
Willoughby	1014	9.4
TOTAL	10790	100.0
Central Coast		
Gosford–East	728	18.9
Gosford–West	1178	30.5
Wyong–North-East	1037	26.9
Wyong–South and West	914	23.7
TOTAL	3857	100.0
Hunter New England		
Armidale Dumaresq-City	294	2.6
Armidale Dumaresq–Balance	25	0.2
Cessnock	810	7.1
Dungog	83	0.7
Glen Innes Severn	122	1.1
Gloucester	45	0.4
Great Lakes	289	2.5
Greater Taree	565	4.9
Gunnedah	195	1.7
Guyra	62	0.5
Gwydir	56	0.5
Inverell-Pt A	49	0.4
Inverell-Pt B	169	1.5
Lake Macquarie–East	712	6.2
Lake Macquarie–North	1085	9.5
Lake Macquarie–West	566	5.0
Liverpool Plains	88	0.8
Maitland	1086	9.5
Moree Plains	234	2.0
Muswellbrook	273	2.4
Narrabri	194	1.5
Newcastle–Inner City	720	6.3
Newcastle–Outer West	662	5.8
Newcastle-Throsby	747	6.5
Port Stephens	803	7.0
Singleton	356	3.
Tamworth Regional–Pt A	707	6.2
Tamworth Regional– Pt B	119	1.0
Tenterfield	21	0.2

(Continued on next page)

TABLE 36: (Continued)

Local Health District-Statistical Local Area	No.	%
Uralla	60	0.5
Walcha	35	0.3
TOTAL	11424	100.0
Northern NSW		
Ballina	343	12.3
Byron	293	10.5
Clarence Valley–Coast	167	6.0
Clarence Valley–Grafton	293	10.5
Clarence Valley–Balance	51	1.8
Kyogle	94	3.4
Lismore–Pt A	386	13.8
Lismore–Pt B	108	3.9
Richmond Valley–Casino	169	6.1
Richmond Valley Bal	125	4.5
Tweed-Tweed-Heads	448	16.1
Tweed-Tweed Coast	129	4.6
Tweed-Pt B	180	6.5
Other-not stated	3	0.9
TOTAL	2789	100.0
Mid North Coast		
Bellingen	118	5.2
Coffs Harbour–Pt A	609	27.0
Coffs Harbour–Pt B	225	10.0
Kempsey	339	15.0
Nambucca	186	8.3
Port Macquarie-Hastings-Pt A	492	21.8
Port Macquarie-Hastings-Pt B	285	12.6
TOTAL Southern NSW	2254	100.0
Bega Valley	262	18.1
Bombala	19	1.3
Cooma-Monaro	86	5.9
Eurobodalla	318	22.0
Goulburn Mulwaree–Goulburn	269	18.6
Goulburn Mulwaree–Balance	45	3.1
Palerang-Pt A	40	2.8
Palerang-Pt B	17	1.2
Queanbeyan	270	18.6
Snowy River	67	4.6
Upper Lachlan	45	3.1
Yass Valley	10	0.7
TOTAL	1448	100.0
Murrumbidgee		
Berrigan	8	0.3
Bland	75	3.1
Boorowa	12	0.5
Carrathool	43	1.8
Conargo	5	0.2
Coolamon	52	2.1
Cootamundra	69	2.9
Deniliquin	64	2.6
Greater Hume Shire–Pt B	17	0.7
Griffith	396	16.4
Gundagai	42	1.7
Harden	34	1.4
Нау	31	1.3
Jerilderie	5	0.2
Junee	51	2.1
Lachlan	36	4.7
Leeton	125	5.2

Local Health District-Statistical Local Area	No.	%
Lockhart	25	1.0
Murrumbidgee	28	1.2
Narrandera	66	2.7
Temora	76	3.1
Tumbarumba	30	1.2
Tumut	133	5.5
Urana	6	0.2
Wagga Wagga–Pt A	802	33.2
Wagga Wagga–Pt B	39	1.6
Young	140	5.8
Other-not stated	9	0.4
TOTAL	2419	100.0
Western NSW		
Bathurst Regional–Pt A	495	12.7
Bathurst Regional–Pt B	46	1.2
Blayney	109	2.8
Bogan	55	1.4
Bourke	59	1.5
Brewarrina	23	0.6
Cabonne	155	4.0
Cobar	66	1.7
Coonamble	70	1.8
Cowra	156	4.0
Dubbo-Pt A	618	15.9
Dubbo-Pt B	29	0.7
Forbes	137	3.5
Gilgandra	61	1.6
Lachlan	77	2.9
Mid-Western Regional–Pt A	288	7.4
Mid-Western Regional-Pt B	40	1.0
Narromine	108	2.8
Oberon	48	1.2
Orange	662	17.0
Parkes	212	5.4
Walgett	92	2.4
Warren	41	1.1
Warrumbungle Shire	95	2.4
Weddin	35	0.9
Wellington	120	3.1
TOTAL	3897	100.0
Far West		
Broken Hill	224	88.9
Central Darling	20	7.9
Other-not stated	8	3.2
TOTAL	252	100.0
Other-not stated	1632	100.0
TOTAL NSW	99875	100.0
Source: NSW Perinatal Data Collection (SAPHaRI).  Centre for Epidemiology and Evidence, NSW Ministry of Health.  # Statistical Local Area assigned according to the Australian Bureau of S	Statistics Australian	Standard

# Statistical Local Area assigned according to the Australian Bureau of Statistics Australian Standard Geographical Classification, 2011 (Cat No. 1259.0.30.001)

## 6. NSW HOSPITALS

#### Onset and augmentation of labour

Table 37 shows onset or augmentation of labour for local health districts, and Table 38 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

TABLE 37: ONSET AND AUGMENTATION OF LABOUR BY LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

								0	nset and	augme	ntation o	of labou	ır							
Local Health District	Spontai	neous	Spontar augme with A	nted	Spontar augme with o tocics/ p gland	nted oxy- rosta-	No lai	oour	Induc oxyto prosta din	cics/ glan-	Induc ARM c		Induc ARM oxyto prosta din	l + cics/ glan-	Induc othe		Not sta	ted	тот	ΓAL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	2823	40.0	154	2.2	1042	14.8	1135	16.1	745	10.6	115	1.6	1039	14.7	3	0.0	0	0.0	7056	100.0
South Western Sydney	4831	44.6	1006	9.3	904	8.3	1549	14.3	1186	11.0	113	1.0	1212	11.2	28	0.3	0	0.0	10829	100.0
South Eastern Sydney	3307	41.1	550	6.8	758	9.4	1185	14.7	905	11.2	164	2.0	1168	14.5	15	0.2	1	0.0	8053	100.0
Illawarra Shoalhaven	1355	41.2	266	8.1	231	7.0	460	14.0	275	8.4	89	2.7	605	18.4	6	0.2	0	0.0	3287	100.0
Western Sydney	3941	40.2	677	6.9	939	9.6	1425	14.5	1114	11.3	92	0.9	1621	16.5	6	0.1	0	0.0	9815	100.0
Nepean Blue Mountains	2039	42.2	275	5.7	238	4.9	935	19.4	478	9.9	84	1.7	773	16.0	8	0.2	1	0.0	4831	100.0
Northern Sydney	2194	41.1	324	6.1	502	9.4	825	15.4	636	11.9	72	1.3	785	14.7	3	0.1	0	0.0	5341	100.0
Central Coast	1078	40.5	159	6.0	236	8.9	415	15.6	310	11.6	17	0.6	442	16.6	5	0.2	0	0.0	2662	100.0
Hunter New England	4081	43.7	403	4.3	599	6.4	1360	14.6	1111	11.9	162	1.7	1600	17.1	22	0.2	0	0.0	9338	100.0
Northern NSW	1861	50.7	237	6.5	324	8.8	476	13.0	350	9.5	53	1.4	362	9.9	6	0.2	0	0.0	3669	100.0
Mid North Coast	1015	46.4	128	5.9	173	7.9	358	16.4	215	9.8	45	2.1	248	11.3	4	0.2	0	0.0	2186	100.0
Southern NSW	763	51.1	146	9.8	113	7.6	210	14.1	150	10.0	27	1.8	83	5.6	1	0.1	1	0.1	1494	100.0
Murrumbidgee	851	45.4	135	7.2	103	5.5	304	16.2	214	11.4	69	3.7	198	10.6	2	0.1	0	0.0	1876	100.0
Western NSW	1599	44.7	221	6.2	177	4.9	557	15.6	325	9.1	128	3.6	558	15.6	9	0.3	2	0.1	3576	100.0
Far West	141	55.1	11	4.3	5	2.0	47	18.4	40	15.6	2	0.8	8	3.1	0	0.0	2	0.8	256	100.0
Private Hospitals	6155	25.9	1695	7.1	2186	9.2	7012	29.5	1639	6.9	497	2.1	4518	19.0	44	0.2	12	0.1	23758	100.0
TOTAL*	38144	38.9	6389	6.5	8530	8.7	18253	18.6	9693	9.9	1729	1.8	15220	15.5	163	0.2	20	0.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health. ARM: artificial rupture of membranes.

† May include artificial rupture of membranes.

TABLE 38: ONSET AND AUGMENTATION OF LABOUR BY HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012\*

								0	nset and	l augme	ntation c	of labou	ır							
Maternity service level-hospital	Sponta	neous	Spontar augme with A	nted	Sponta augme with tocics/ p gland	ented oxy- orosta-	No lal	bour	Induc oxyto prosta dir	cics/ glan-	Induc ARM o		Indu- - ARI oxyto prosta dir	M + cics/ glan-	Induce othe		Not sta	ited	тот	ΓAL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6																				
Royal Prince Alfred	2154	40.2	0	0.0	850	15.9	903	16.9	552	10.3	91	1.7	800	14.9	2	0.0	0	0.0	5352	100.0
Royal North Shore	948	37.9	150	6.0	254	10.1	432	17.3	295	11.8	31	1.2	393	15.7	0	0.0	0	0.0	2503	100.0
Royal Hospital for Women	1674	40.8	265	6.5	354	8.6	655	16.0	455	11.1	101	2.5	591	14.4	9	0.2	0	0.0	4104	100.0
Liverpool	1437	44.7	275	8.6	292	9.1	486	15.1	360	11.2	24	0.7	326	10.1	15	0.5	0	0.0	3215	100.0
Nepean	1523	41.5	201	5.5	167	4.6	708	19.3	377	10.3	57	1.6	628	17.1	8	0.2	0	0.0	3669	100.0
Westmead	1940	36.7	432	8.2	545	10.3	831	15.7	599	11.3	53	1.0	880	16.7	2	0.0	0	0.0	5282	100.0
John Hunter	1649	40.7	148	3.7	303	7.5	616	15.2	479	11.8	59	1.5	788	19.5	7	0.2	0	0.0	4049	100.0
TOTAL	11325	40.2	1471	5.2	2765	9.8	4631	16.4	3117	11.1	416	1.5	4406	15.6	43	0.2	0	0.0	28174	100.0
Level 5																				
Gosford	929	37.4	133	5.3	235	9.5	415	16.7	310	12.5	17	0.7	442	17.8	5	0.2	0	0.0	2486	100.0
St. George	1050	39.7	207	7.8	254	9.6	348	13.1	318	12.0	48	1.8	418	15.8	5	0.2	0	0.0	2648	100.0
Blacktown	1282	41.5	178	5.8	226	7.3	462	15.0	340	11.0	31	1.0	567	18.3	4	0.1	0	0.0	3090	100.0
Coffs Harbour	452	42.4	72	6.8	88	8.3	205	19.2	94	8.8	31	2.9	121	11.4	2	0.2	0	0.0	1065	100.0
Lismore Base	624	50.2	72	5.8	97	7.8	173	13.9	124	10.0	23	1.9	126	10.1	3	0.2	0	0.0	1242	100.0
Tweed Heads	747	47.4	110	7.0	190	12.1	149	9.5	144	9.1	26	1.6	207	13.1	3	0.2	0	0.0	1576	100.0
Port Macquarie Base	352	44.1	38	4.8	69	8.6	122	15.3	89	11.2	9	1.1	117	14.7	2	0.3	0	0.0	798	100.0
Dubbo Base	481	38.9	94	7.6	57	4.6	192	15.5	115	9.3	39	3.2	257	20.8	2	0.2	0	0.0	1237	100.0

(Continued on next page)

This category includes other forms of induction such as Foley's catheter.
 \* Total includes births at home assisted by independent midwives.

TABLE 38: (Continued)

								0	nset and	augme	ntation c	of labou	ır							
Maternity service level–hospital	Sponta		Spontai augme with <i>I</i>	nted ARM	Spontai augme wit oxyto prosta dins	nted h cics/ glan- st	No lal		Induc oxyto prosta din	cics/ glan- is	Induc ARM c	only	Induc ARM + tocics/ p gland	oxy- orosta- lins	Induce othe	r <sup>‡</sup>	Not sta		тот	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Wollongong	912	39.4	196	8.5	187	8.1	317	13.7	177	7.7	50	2.2	468	20.2	6	0.3	0	0.0	2313	100.0
Maitland	676	40.7	81	4.9	101	6.1	250	15.0	209	12.6	27	1.6	311	18.7	7	0.4	0	0.0	1662	100.0
Wagga Wagga Base	304	41.5	31	4.2	55	7.5	119	16.3	85	11.6	23	3.1	115	15.7	0	0.0	0	0.0	732	100.0
TOTAL	7809	41.4	1212	6.4	1559	8.3	2752	14.6	2005	10.6	324	1.7	3149	16.7	39	0.2	0	0.0	18849	100.0
Level 4																				
Canterbury	669	39.3	154	9.0	192	11.3	232	13.6	193	11.3	24	1.4	239	14.0	1	0.1	0	0.0	1704	100.0
Hornsby	539	42.1	106	8.3	135	10.5	201	15.7	140	10.9	18	1.4	141	11.0	0	0.0	0	0.0	1280	100.0
Manly	516	41.0	53	4.2	98	7.8	161	12.8	183	14.5	20	1.6	227	18.0	2	0.2	0	0.0	1260	100.0
Sutherland	583	44.8	78	6.0	150	11.5	182	14.0	132	10.1	15	1.2	159	12.2	1	0.1	1	0.1	1301	100.0
Auburn	719	49.8	67	4.6	168	11.6	132	9.1	175	12.1	8	0.6	174	12.1	0	0.0	0	0.0	1443	100.0
Fairfield	889	44.4	247	12.3	210	10.5	268	13.4	178	8.9	6	0.3	201	10.0	2	0.1	0	0.0	2001	100.0
Campbelltown	1297	44.8	226	7.8	174	6.0	430	14.8	347	12.0	57	2.0	362	12.5	4	0.1	0	0.0	2897	100.0
Bankstown-Lidcombe	1024	45.4	201	8.9	186	8.2	312	13.8	274	12.1	15	0.7	240	10.6	5	0.2	0	0.0	2257	100.0
Hawkesbury	325	42.4	46	6.0	36	4.7	164	21.4	57	7.4	21	2.7	117	15.3	0	0.0	0	0.0	766	100.0
Grafton Base	202	45.4	13	2.9	37	8.3	78	17.5	82	18.4	4	0.9	29	6.5	0	0.0	0	0.0	445	100.0
Tamworth Base	344	38.7	42	4.7	47	5.3	139	15.6	110	12.4	11	1.2	192	21.6	5	0.6	0	0.0	890	100.0
Manning Base	361	47.8	29	3.8	44	5.8	90	11.9	97	12.8	23	3.0	112	14.8	0	0.0	0	0.0	756	100.0
Orange Base	376	38.5	53	5.4	51	5.2	176	18.0	78	8.0	52	5.3	184	18.8	7	0.7	0	0.0	977	100.0
Goulburn Base	153	46.5	18	5.5	50	15.2	58	17.6	33	10.0	3	0.9	14	4.3	0	0.0	0	0.0	329	100.0
Griffith Base	250	48.2	34	6.6	21	4.0	78	15.0	51	9.8	31	6.0	53	10.2	1	0.2	0	0.0	519	100.0
TOTAL	8247	43.8	1367	7.3	1599	8.5	2701	14.3	2130	11.3	308	1.6	2444	13.0	28	0.1	1	0.0	18825	100.0
Level 3																				
Blue Mountains	131	59.8	4	1.8	13	5.9	35	16.0	16	7.3	3	1.4	16	7.3	0	0.0	1	0.5	219	100.0
Kempsey	154	58.8	15	5.7	16	6.1	31	11.8	32	12.2	4	1.5	10	3.8	0	0.0	0	0.0	262	100.0
Armidale	183	39.5	33	7.1	39	8.4	74	16.0	69	14.9	10	2.2	52	11.2	3	0.6	0	0.0	463	100.0
Inverell	51	19.5	6	2.3	14	5.4	73	28.0	41	15.7	5	1.9	71	27.2	0	0.0	0	0.0	261	100.0
Moree	107	50.2	13	6.1	25	11.7	17	8.0	21	9.9	1	0.5	29	13.6	0	0.0	0	0.0	213	100.0
Mudgee	152	58.2	8	3.1	5	1.9	39	14.9	30	11.5	8	3.1	19	7.3	0	0.0	0	0.0	261	100.0
Bathurst Base	299	53.2	17	3.0	28	5.0	96	17.1	53	9.4	22	3.9	47	8.4	0	0.0	0	0.0	562	100.0
Bega	144	61.8	14	6.0	5	2.1	28	12.0	30	12.9	2	0.9	10	4.3	0	0.0	0	0.0	233	100.0
Moruya	168	51.1	39	11.9	12	3.6	44	13.4	38	11.6	7	2.1	21	6.4	0	0.0	0	0.0	329	100.0
Queanbeyan	205	47.8	67	15.6	39	9.1	55	12.8	37	8.6	5	1.2	19	4.4	1	0.2	1	0.2	429	100.0
Bowral	184	40.1	57	12.4	42	9.2	53	11.5	27	5.9	11	2.4	83	18.1	2	0.4	0	0.0	459	100.0
Shoalhaven	385	45.1	60	7.0	35	4.1	127	14.9	87	10.2	36	4.2	123	14.4	0	0.0	0	0.0	853	100.0
Muswellbrook	145	71.4	8	3.9	6	3.0	18	8.9	15	7.4	6	3.0	5	2.5	0	0.0	0	0.0	203	100.0
Broken Hill Base	141	55.1	11	4.3	5	2.0	47	18.4	40	15.6	2	0.8	8	3.1	0	0.0	2	0.8	256	100.0
Other hospitals	1131	49.3	216	9.4	119	5.2	373	16.3	238	10.4	49	2.1	164	7.1	2	0.1	2	0.1	2294	100.0
TOTAL	3580	49.1	568	7.8	403	5.5	1110	15.2	774	10.6	171	2.3	677	9.3	8	0.1	6	0.1	7297	100.0
Level 2																				
TOTAL	884	81.5	73	6.7	16	1.5	46	4.2	27	2.5	12	1.1	26	2.4	0	0.0	0	0.0	1084	100.0
Private																				
	730	20.6	161	67	220	0.5	702	22.0	157	6.5	96	2.0	244	10.1	4	0.3	4	0.3	2447	100.0
Mater, North Sydney	739	30.6	161	6.7	229	9.5	793	32.8	157	6.5	86	3.6	244	10.1	4	0.2	4	0.2	2417	100.0
North Shore Private	626	25.7	215	8.8	278	11.4	778	31.9	104	4.3	73	3.0	360	14.8	4	0.2	0	0.0	2438	100.0
Sydney Adventist	975	46.5	0	0.0	1 72	0.0	555	26.5	120	5.7	34 17	1.6	409	19.5	2	0.1	0	0.0	2096 799	100.0
North Gosford Private	157 237	19.6	49 93	6.1	73 131	9.1 14.0	238 256	29.8 27.4	72 51	9.0	8	2.1 0.9	189	23.7	4 0	0.5	0	0.0	934	100.0
Hurstville Community		25.4								5.5			158	16.9						
Kareena Private	151	19.2	51	6.5	79	10.1	286	36.4	41	5.2	18	2.3	160	20.4	0	0.0	0	0.0	786	100.0
St. George Private	329	19.1	120	7.0	248	14.4	525	30.5	136	7.9	55 65	3.2	304	17.7	5	0.3	0	0.0	1722	100.0
Prince of Wales Private	638	23.8	282	10.5	248	9.3	951	35.5	183	6.8	65	2.4	309	11.5	2	0.1	0	0.0	2678	100.0
Norwest Private	421	21.1	133	6.7	217	10.9	432	21.6	142	7.1	18	0.9	633	31.7	2	0.1	0	0.0	1998	100.0
Sydney Southwest Private	226	22.8	81	8.2	116	11.7	273	27.5	85	8.6	18	1.8	191	19.2	2	0.2	1	0.1	993	100.0
Nepean Private	210	24.0	84	9.6	42	4.8	229	26.2	87	10.0	8	0.9	207	23.7	7	0.8	0	0.0	874	100.0
Westmead Private	437	19.7	245		296		608		168		8 20	0.9	442	19.9	1	0.8	0	0.0	2217	100.0
				11.1		13.4		27.4		7.6										
Figtree Private	155	15.6	83 81	8.4 3.9	81	8.2	305	30.7	41 125	4.1 6.0	17	1.7	309	31.1	2 8	0.2	0 7	0.0	993 2085	100.0
Newcastle Private	674 133	32.3			113	5.4	548	26.3	100		23	1.1	506	24.3	8	0.4		0.3	2085 524	100.0
Calvary, Wagga Wagga		25.4	10 7	1.9	16	3.1	171	32.6		19.1	25 12	4.8	68 29	13.0	0	0.2	0	0.0		100.0
Other hospitals	55 <b>6163</b>	25.8 <b>25.9</b>	1695	3.3	18 <b>2186</b>	8.5 <b>9.2</b>	65 <b>7013</b>	30.5 <b>29.5</b>	27 <b>1639</b>	12.7 <b>6.9</b>	12 <b>497</b>	5.6	4518	13.6 <b>19.0</b>	44	0.0 <b>0.2</b>	0 <b>12</b>		213 23767	100.0
	0 103	45.9	1095	7.1	4100	9.2	/013	49.5	1059	0.9	49/	2.1	4318	19.0	44	U.Z	12	0.1	23/0/	100.0
TOTAL NSW*	38144	38.9	6389	6.5	8530	8.7	18253	18.6	9693	9.9	1729	1.8		15.5	163	0.2	20	0.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

ARM: artificial rupture of membranes.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

† May include artificial rupture of membranes.

† This category includes other forms of induction such as Foley's catheter.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

#### Type of birth

Table 39 shows type of birth for local health districts, and Table 40 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

TABLE 39: TYPE OF BIRTH BY LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

Local Health District		Type of birth														
	Normal vaginal		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section <sup>†</sup>		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	3945	55.9	483	6.8	544	7.7	31	0.4	1135	16.1	917	13.0	1	0.0	7056	100.0
South Western Sydney	7544	69.7	170	1.6	653	6.0	39	0.4	1549	14.3	873	8.1	1	0.0	10829	100.0
South Eastern Sydney	4585	56.9	599	7.4	683	8.5	46	0.6	1185	14.7	954	11.8	1	0.0	8053	100.0
Illawarra Shoalhaven	2132	64.9	86	2.6	201	6.1	15	0.5	460	14.0	393	12.0	0	0.0	3287	100.0
Western Sydney	5952	60.6	510	5.2	564	5.7	81	0.8	1425	14.5	1283	13.1	0	0.0	9815	100.0
Nepean Blue Mountains	2772	57.4	89	1.8	325	6.7	19	0.4	935	19.4	690	14.3	1	0.0	4831	100.0
Northern Sydney	3050	57.1	427	8.0	276	5.2	17	0.3	825	15.4	746	14.0	0	0.0	5341	100.0
Central Coast	1535	57.7	181	6.8	178	6.7	10	0.4	415	15.6	343	12.9	0	0.0	2662	100.0
Hunter New England	5886	63.0	329	3.5	517	5.5	62	0.7	1360	14.6	1184	12.7	0	0.0	9338	100.0
Northern NSW	2483	67.7	126	3.4	161	4.4	15	0.4	476	13.0	407	11.1	1	0.0	3669	100.0
Mid North Coast	1374	62.9	68	3.1	111	5.1	4	0.2	358	16.4	271	12.4	0	0.0	2186	100.0
Southern NSW	950	63.6	69	4.6	85	5.7	4	0.3	210	14.1	175	11.7	1	0.1	1494	100.0
Murrumbidgee	1146	61.1	53	2.8	104	5.5	6	0.3	304	16.2	262	14.0	1	0.1	1876	100.0
Western NSW	2342	65.5	71	2.0	176	4.9	17	0.5	557	15.6	413	11.5	0	0.0	3576	100.0
Far West	161	62.9	10	3.9	2	0.8	1	0.4	47	18.4	33	12.9	2	0.8	256	100.0
Private Hospitals	10022	42.2	921	3.9	2401	10.1	32	0.1	7012	29.5	3361	14.1	9	0.0	23758	100.0
TOTAL*	55993	57.1	4192	4.3	6981	7.1	399	0.4	18253	18.6	12305	12.5	18	0.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.
† Emergency caesarean section includes caesarean sections where the onset of labour was not stated.
\* Total NSW includes births at home assisted by independent midwives.

TABLE 40: TYPE OF BIRTH BY HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012#

		Type of birth														
Maternity service level-hospital	Normal vaginal		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section <sup>†</sup>		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6																
Royal Prince Alfred	2907	54.3	421	7.9	432	8.1	28	0.5	903	16.9	660	12.3	1	0.0	5352	100.0
Royal North Shore	1291	51.6	225	9.0	99	4.0	13	0.5	432	17.3	443	17.7	0	0.0	2503	100.0
Royal Hospital for Women	2166	52.8	398	9.7	347	8.5	38	0.9	655	16.0	500	12.2	0	0.0	4104	100.0
Liverpool	2150	66.9	87	2.7	182	5.7	21	0.7	486	15.1	289	9.0	0	0.0	3215	100.0
Nepean	2072	56.5	63	1.7	264	7.2	17	0.5	708	19.3	545	14.9	0	0.0	3669	100.0
Westmead	3030	57.4	322	6.1	297	5.6	72	1.4	831	15.7	730	13.8	0	0.0	5282	100.0
John Hunter	2400	59.3	209	5.2	209	5.2	41	1.0	616	15.2	574	14.2	0	0.0	4049	100.0
TOTAL	16016	56.8	1725	6.1	1830	6.5	230	0.8	4631	16.4	3741	13.3	1	0.0	28174	100.0
Level 5																
Gosford	1359	54.7	181	7.3	178	7.2	10	0.4	415	16.7	343	13.8	0	0.0	2486	100.0
St. George	1554	58.7	142	5.4	246	9.3	6	0.2	348	13.1	351	13.3	1	0.0	2648	100.0
Blacktown	1834	59.4	166	5.4	200	6.5	8	0.3	462	15.0	420	13.6	0	0.0	3090	100.0
Coffs Harbour	618	58.0	35	3.3	63	5.9	1	0.1	205	19.2	143	13.4	0	0.0	1065	100.0
Lismore Base	828	66.7	51	4.1	36	2.9	8	0.6	173	13.9	146	11.8	0	0.0	1242	100.0
Tweed Heads	1050	66.6	64	4.1	102	6.5	5	0.3	149	9.5	206	13.1	0	0.0	1576	100.0
Port Macquarie Base	508	63.7	32	4.0	35	4.4	2	0.3	122	15.3	99	12.4	0	0.0	798	100.0
Dubbo Base	843	68.1	19	1.5	33	2.7	7	0.6	192	15.5	143	11.6	0	0.0	1237	100.0
Wollongong	1519	65.7	46	2.0	155	6.7	12	0.5	317	13.7	264	11.4	0	0.0	2313	100.0
Maitland	1023	61.6	52	3.1	100	6.0	4	0.2	250	15.0	233	14.0	0	0.0	1662	100.0
Wagga Wagga Base	433	59.2	20	2.7	36	4.9	1	0.1	119	16.3	123	16.8	0	0.0	732	100.0
TOTAL	11569	61.4	808	4.3	1184	6.3	64	0.3	2752	14.6	2471	13.1	1	0.0	18849	100.0
Level 4																
Canterbury	1038	60.9	62	3.6	112	6.6	3	0.2	232	13.6	257	15.1	0	0.0	1704	100.0
Hornsby	797	62.3	69	5.4	55	4.3	2	0.2	201	15.7	156	12.2	0	0.0	1280	100.0
Manly	744	59.0	125	9.9	104	8.3	2	0.2	161	12.8	124	9.8	0	0.0	1260	100.0
Sutherland	865	66.5	59	4.5	90	6.9	2	0.2	182	14.0	103	7.9	0	0.0	1301	100.0
Auburn	1088	75.4	22	1.5	67	4.6	1	0.1	132	9.1	133	9.2	0	0.0	1443	100.0
Fairfield	1529	76.4	9	0.4	69	3.4	6	0.3	268	13.4	120	6.0	0	0.0	2001	100.0
Campbelltown	2020	69.7	13	0.4	200	6.9	6	0.2	430	14.8	228	7.9	0	0.0	2897	100.0
Bankstown-Lidcombe	1534	68.0	32	1.4	182	8.1	5	0.2	312	13.8	191	8.5	1	0.0	2257	100.0

(Continued on next page)

TABLE 40: (Continued)

								Туре о	f birth							
Maternity service	Normal v	aginal	Force	ns	Vacuu		Vaginal b	reech	Elective ca		Emerge		Not sta	ted	тот	Δ1
level-hospital	Normal V	agillai	TOICE	,,	extract	ion	- vaginai b	reecii	section	on	caesarean	section <sup>†</sup>	1101 314	teu		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Hawkesbury	433	56.5	21	2.7	40	5.2	1	0.1	164	21.4	107	14.0	0	0.0	766	100.0
Grafton Base	289	64.9	11	2.5	12	2.7	1	0.2	78	17.5	54	12.1	0	0.0	445	100.0
Tamworth Base	582	65.4	28	3.1	37	4.2	2	0.2	139	15.6	102	11.5	0	0.0	890	100.0
Manning Base	498	65.9	7	0.9	76	10.1	9	1.2	90	11.9	76	10.1	0	0.0	756	100.0
Orange Base	573	58.6	36	3.7	78	8.0	4	0.4	176	18.0	110	11.3	0	0.0	977	100.0
Goulburn Base	201	61.1	34	10.3	10	3.0	4	1.2	58	17.6	22	6.7	0	0.0	329	100.0
Griffith Base	282	54.3	26	5.0	41	7.9	2	0.4	78	15.0	90	17.3	0	0.0	519	100.0
TOTAL	12473	66.3	554	2.9	1173	6.2	50	0.3	2701	14.3	1873	9.9	1	0.0	18825	100.0
Level 3																
Blue Mountains	152	69.4	2	0.9	11	5.0	1	0.5	35	16.0	17	7.8	1	0.5	219	100.0
Kempsey	189	72.1	1	0.4	12	4.6	0	0.0	31	11.8	29	11.1	0	0.0	262	100.0
Armidale	276	59.6	15	3.2	21	4.5	1	0.2	74	16.0	76	16.4	0	0.0	463	100.0
Inverell	152	58.2	12	4.6	6	2.3	2	0.8	73	28.0	16	6.1	0	0.0	261	100.0
Moree	160	75.1	5	2.3	6	2.8	0	0.0	17	8.0	25	11.7	0	0.0	213	100.0
Mudgee	187	71.6	0	0.0	14	5.4	1	0.4	39	14.9	20	7.7	0	0.0	261	100.0
Bathurst Base	359	63.9	14	2.5	18	3.2	2	0.4	96	17.1	73	13.0	0	0.0	562	100.0
Bega	144	61.8	11	4.7	12	5.2	0	0.0	28	12.0	38	16.3	0	0.0	233	100.0
Moruya	220	66.9	6	1.8	15	4.6	0	0.0	44	13.4	44	13.4	0	0.0	329	100.0
Queanbeyan	268	62.5	14	3.3	45	10.5	0	0.0	55	12.8	46	10.7	1	0.2	429	100.0
Bowral	311	67.8	29	6.3	20	4.4	1	0.2	53	11.5	45	9.8	0	0.0	459	100.0
Shoalhaven	532	62.4	39	4.6	33	3.9	3	0.4	127	14.9	119	14.0	0	0.0	853	100.0
Muswellbrook	146	71.9	0	0.0	16	7.9	0	0.0	18	8.9	23	11.3	0	0.0	203	100.0
Broken Hill Base	161	62.9	10	3.9	2	0.8	1	0.4	47	18.4	33	12.9	2	8.0	256	100.0
Other hospitals	1534	66.9	25	1.1	125	5.4	5	0.2	373	16.3	230	10.0	2	0.1	2294	100.0
TOTAL	4791	65.7	183	2.5	356	4.9	17	0.2	1110	15.2	834	11.4	6	0.1	7297	100.0
Level 2																
TOTAL	974	89.9	1	0.1	35	3.2	4	0.4	46	4.2	24	2.2	0	0.0	1084	100.0
Private																
Mater, North Sydney	885	36.6	92	3.8	247	10.2	1	0.0	793	32.8	396	16.4	3	0.1	2417	100.0
North Shore Private	910	37.3	97	4.0	265	10.9	3	0.1	778	31.9	385	15.8	0	0.0	2438	100.0
Sydney Adventist	1106	52.8	61	2.9	119	5.7	2	0.1	555	26.5	253	12.1	0	0.0	2096	100.0
North Gosford Private	346	43.3	11	1.4	73	9.1	1	0.1	238	29.8	130	16.3	0	0.0	799	100.0
Hurstville Community	411	44.0	10	1.1	130	13.9	0	0.0	256	27.4	127	13.6	0	0.0	934	100.0
Kareena Private	299	38.0	59	7.5	63	8.0	3	0.4	286	36.4	76	9.7	0	0.0	786	100.0
St. George Private	666	38.7	89	5.2	175	10.2	6	0.3	525	30.5	261	15.2	0	0.0	1722	100.0
Prince of Wales Private	909	33.9	94	3.5	269	10.0	1	0.0	951	35.5	453	16.9	1	0.0	2678	100.0
Norwest Private	973	48.7	123	6.2	216	10.8	2	0.1	432	21.6	251	12.6	1	0.1	1998	100.0
Sydney Southwest	404	40.7	20	3.6	104	10.5	1	0.1	272	27.5	0.5	0.6	0	0.0	002	100.0
Private	484	48.7	36	3.6	104	10.5	1	0.1	273	27.5	95	9.6	0	0.0	993	100.0
Nepean Private	416	47.6	23	2.6	72	8.2	1	0.1	229	26.2	133	15.2	0	0.0	874	100.0
Westmead Private	940	42.4	155	7.0	184	8.3	4	0.2	608	27.4	326	14.7	0	0.0	2217	100.0
Figtree Private	416	41.9	17	1.7	138	13.9	1	0.1	305	30.7	116	11.7	0	0.0	993	100.0
Newcastle Private	967	46.4	37	1.8	262	12.6	6	0.3	548	26.3	262	12.6	3	0.1	2085	100.0
Calvary, Wagga Wagga	219	41.8	2	0.4	65	12.4	0	0.0	171	32.6	66	12.6	1	0.2	524	100.0
Other hospitals	81	38.0	15	7.0	20	9.4	1	0.5	65	30.5	31	14.6	0	0.0	213	100.0
TOTAL	10028	42.2	921	3.9	2402	10.1	33	0.1	7013	29.5	3361	14.1	9	0.0	23767	100.0
TOTAL NSW*	55993	57.1	4192	4.3	6981	7.1	399	0.4	18253	18.6	12305	12.5	18	0.0	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

† Emergency caesarean section includes caesarean sections where the onset of labour was not stated.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

#### Pain relief

Table 41 shows type of pain relief provided to mothers during labour or delivery for local health districts, and Table 42 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

In addition to the types of pain relief shown in the tables, in 2012 a further 26,589 (27.1%) mothers were reported to have received local anaesthetic to the perineum, and 776 (0.8%) received a pudendal block.

TABLE 41: PAIN RELIEF BY LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

						Pain F	Relief					
Local Health District	Epidural-sp	oinal†	General anes	thetic	IM narco	tics	Nitrous o	xide	Nil		TOTAL	<b>+</b>
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	3496	49.5	287	4.1	604	8.6	3185	45.1	881	12.5	7056	100.0
South Western Sydney	3052	28.2	507	4.7	2804	25.9	5323	49.2	1615	14.9	10829	100.0
South Eastern Sydney	4037	50.1	204	2.5	1019	12.7	3593	44.6	691	8.6	8053	100.0
Illawarra Shoalhaven	1344	40.9	92	2.8	450	13.7	1721	52.4	338	10.3	3287	100.0
Western Sydney	4323	44.0	377	3.8	1165	11.9	4713	48.0	613	6.2	9815	100.0
Nepean Blue Mountains	2118	43.8	323	6.7	857	17.7	2339	48.4	409	8.5	4831	100.0
Northern Sydney	2666	49.9	108	2.0	526	9.8	2310	43.3	358	6.7	5341	100.0
Central Coast	1196	44.9	86	3.2	521	19.6	1197	45.0	263	9.9	2662	100.0
Hunter New England	3210	34.4	498	5.3	1957	21.0	4571	49.0	941	10.1	9338	100.0
Northern NSW	1345	36.7	102	2.8	568	15.5	1723	47.0	540	14.7	3669	100.0
Mid North Coast	889	40.7	70	3.2	393	18.0	983	45.0	246	11.3	2186	100.0
Southern NSW	475	31.8	42	2.8	195	13.1	797	53.3	273	18.3	1494	100.0
Murrumbidgee	670	35.7	60	3.2	455	24.3	883	47.1	309	16.5	1876	100.0
Western NSW	1230	34.4	196	5.5	754	21.1	1765	49.4	383	10.7	3576	100.0
Far West	81	31.6	13	5.1	46	18.0	105	41.0	48	18.8	256	100.0
Private Hospitals	17400	73.2	328	1.4	1546	6.5	6960	29.3	1002	4.2	23758	100.0
TOTAL NSW*	47532	48.4	3293	3.4	13860	14.1	42168	43.0	9021	9.2	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health. † The category 'Epidural-spinal' includes epidural, spinal, combined epidural and spinal, and caudal pain relief.

TABLE 42: PAIN RELIEF BY HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012#

						Pain Re	elief					
Maternity service level-hospital	Epidural-sp	inal <sup>†</sup>	General anes	thetic	IM narcot	ics	Nitrous ox	ide	Nil		TOTAL	ŧ
icver nospital	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6												
Royal Prince Alfred	2831	52.9	215	4.0	429	8.0	2358	44.1	673	12.6	5352	100.0
Royal North Shore	1421	56.8	52	2.1	260	10.4	1164	46.5	118	4.7	2503	100.0
Royal Hospital for Women	2275	55.4	68	1.7	637	15.5	1635	39.8	301	7.3	4104	100.0
Liverpool	1150	35.8	171	5.3	1112	34.6	1464	45.5	288	9.0	3215	100.0
Nepean	1696	46.2	282	7.7	636	17.3	1818	49.6	255	7.0	3669	100.0
Westmead	2664	50.4	215	4.1	652	12.3	2344	44.4	189	3.6	5282	100.0
John Hunter	1596	39.4	280	6.9	948	23.4	1914	47.3	318	7.9	4049	100.0
TOTAL	13633	48.4	1283	4.6	4674	16.6	12697	45.1	2142	7.6	28174	100.0
Level 5												
Gosford	1196	48.1	85	3.4	521	21.0	1137	45.7	225	9.1	2486	100.0
St. George	1233	46.6	87	3.3	279	10.5	1309	49.4	245	9.3	2648	100.0
Blacktown	1294	41.9	126	4.1	293	9.5	1526	49.4	231	7.5	3090	100.0
Coffs Harbour	486	45.6	46	4.3	141	13.2	440	41.3	102	9.6	1065	100.0
Lismore Base	518	41.7	27	2.2	166	13.4	565	45.5	175	14.1	1242	100.0
Tweed Heads	592	37.6	53	3.4	312	19.8	855	54.3	165	10.5	1576	100.0
Port Macquarie Base	325	40.7	20	2.5	164	20.6	372	46.6	88	11.0	798	100.0
Dubbo Base	449	36.3	77	6.2	346	28.0	583	47.1	113	9.1	1237	100.0
Wollongong	984	42.5	66	2.9	198	8.6	1204	52.1	226	9.8	2313	100.0
Maitland	591	35.6	83	5.0	212	12.8	860	51.7	170	10.2	1662	100.0
Wagga Wagga Base	316	43.2	32	4.4	154	21.0	309	42.2	111	15.2	732	100.0
TOTAL	7984	42.4	702	3.7	2786	14.8	9160	48.6	1851	9.8	18849	100.0
Level 4												
Canterbury	665	39.0	72	4.2	175	10.3	827	48.5	208	12.2	1704	100.0
Hornsby	599	46.8	34	2.7	151	11.8	606	47.3	90	7.0	1280	100.0
Manly	568	45.1	19	1.5	98	7.8	432	34.3	117	9.3	1260	100.0
Sutherland	529	40.7	49	3.8	103	7.9	649	49.9	145	11.1	1301	100.0
Auburn	365	25.3	36	2.5	220	15.2	843	58.4	193	13.4	1443	100.0

<sup>‡</sup> Row percentages do not sum to 100 per cent as one woman may have more than one type of analgesia.

\* Total NSW includes births at home assisted by independent midwives.

TABLE 42: (Continued)

						Pain R	elief					
Maternity service level-hospital	Epidural-sp	inal†	General anes	thetic	IM narcot	ics	Nitrous ox	ide	Nil		TOTAL	‡
ievei nospitai	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Fairfield	329	16.4	110	5.5	346	17.3	878	43.9	436	21.8	2001	100.0
Campbelltown	837	28.9	101	3.5	723	25.0	1505	52.0	555	19.2	2897	100.0
Bankstown-Lidcombe	588	26.1	113	5.0	432	19.1	1254	55.6	266	11.8	2257	100.0
Hawkesbury	305	39.8	31	4.0	141	18.4	347	45.3	88	11.5	766	100.0
Grafton Base	157	35.3	20	4.5	81	18.2	226	50.8	59	13.3	445	100.0
Tamworth Base	392	44.0	27	3.0	121	13.6	464	52.1	90	10.1	890	100.0
Manning Base	183	24.2	32	4.2	286	37.8	404	53.4	92	12.2	756	100.0
Orange Base	398	40.7	59	6.0	177	18.1	491	50.3	88	9.0	977	100.0
Goulburn Base	104	31.6	13	4.0	61	18.5	214	65.0	24	7.3	329	100.0
Griffith Base	197	38.0	19	3.7	173	33.3	251	48.4	73	14.1	519	100.0
TOTAL	6216	33.0	735	3.9	3288	17.5	9391	49.9	2524	13.4	18825	100.0
Level 3												
Blue Mountains	62	28.3	6	2.7	38	17.4	100	45.7	29	13.2	219	100.0
Kempsey	78	29.8	4	1.5	72	27.5	138	52.7	36	13.7	262	100.0
Armidale	157	33.9	19	4.1	123	26.6	219	47.3	40	8.6	463	100.0
Inverell	86	33.0	4	1.5	38	14.6	105	40.2	42	16.1	261	100.0
Moree	54	25.4	10	4.7	21	9.9	95	44.6	43	20.2	213	100.0
Mudgee	60	23.0	5	1.9	29	11.1	114	43.7	41	15.7	261	100.0
Bathurst Base	199	35.4	28	5.0	59	10.5	264	47.0	54	9.6	562	100.0
Bega	77	33.0	11	4.7	47	20.2	123	52.8	32	13.7	233	100.0
Moruya	101	30.7	5	1.5	34	10.3	150	45.6	88	26.7	329	100.0
Queanbeyan	138	32.2	9	2.1	43	10.0	224	52.2	89	20.7	429	100.0
Bowral	148	32.2	12	2.6	191	41.6	222	48.4	70	15.3	459	100.0
Shoalhaven	327	38.3	25	2.9	227	26.6	445	52.2	95	11.1	853	100.0
Muswellbrook	41	20.2	0	0.0	28	13.8	110	54.2	24	11.8	203	100.0
Broken Hill Base	81	31.6	13	5.1	46	18.0	105	41.0	48	18.8	256	100.0
Other hospitals	611	26.6	86	3.7	475	20.7	1152	50.2	377	16.4	2294	100.0
TOTAL	2220	30.4	237	3.2	1471	20.2	3566	48.9	1108	15.2	7297	100.0
Level 2												
TOTAL	76	7.0	8	0.7	92	8.5	384	35.4	259	23.9	1084	100.0
Private												
Mater, North Sydney	1773	73.4	32	1.3	182	7.5	665	27.5	111	4.6	2417	100.0
North Shore Private	1900	77.9	27	1.1	59	2.4	638	26.2	72	3.0	2438	100.0
Sydney Adventist	1461	69.7	34	1.6	199	9.5	692	33.0	63	3.0	2096	100.0
North Gosford Private	519	65.0	8	1.0	75	9.4	224	28.0	80	10.0	799	100.0
Hurstville Community	685	73.3	15	1.6	42	4.5	241	25.8	52	5.6	934	100.0
Kareena Private	647	82.3	10	1.3	17	2.2	121	15.4	35	4.5	786	100.0
St. George Private	1389	80.7	33	1.9	68	3.9	378	22.0	66	3.8	1722	100.0
Prince of Wales Private	2302	86.0	14	0.5	32	1.2	615	23.0	83	3.1	2678	100.0
Norwest Private	1411	70.6	46	2.3	102	5.1	521	26.1	104	5.2	1998	100.0
Sydney Southwest												
Private	579	58.3	14	1.4	204	20.5	432	43.5	35	3.5	993	100.0
Nepean Private	517	59.2	29	3.3	141	16.1	398	45.5	28	3.2	874	100.0
Westmead Private	1596	72.0	20	0.9	112	5.1	717	32.3	62	2.8	2217	100.0
Figtree Private	761	76.6	20	2.0	8	0.8	272	27.4	44	4.4	993	100.0
Newcastle Private	1438	69.0	15	0.7	225	10.8	808	38.8	57	2.7	2085	100.0
Calvary, Wagga Wagga	285	54.4	7	1.3	71	13.5	158	30.2	98	18.7	524	100.0
Other hospitals	138	64.8	4	1.9	9	4.2	80	37.6	20	9.4	213	100.0
TOTAL	17401	73.2	328	1.4	1546	6.5	6960	29.3	1010	4.2	23767	100.0
TOTAL NSW*	47532	48.4	3293	3.4	13860	14.1	42168	43.0	9021	9.2	98141	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

† The category 'Epidural-spinal' includes epidural, spinal, combined epidural and spinal, and caudal pain relief.

‡ Row percentages do not sum to 100 per cent as one woman may have more than one type of analgesia.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

#### Perineal status

Table 43 shows the perineal status in vaginal births for local health districts, and Table 44 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

In 2012, there were 1,851 cases of third degree tear and 134 cases of fourth degree tear reported among mothers who gave birth vaginally, including tears associated with an episiotomy.

TABLE 43: PERINEAL STATUS AMONG VAGINAL BIRTHS BY LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

									Perineal	status								
Local Health District	Inta	ct	1st degre graz		2nd degr	ee tear	3rd or degree	· .	Episiot	omy	Combine and epision		Othe	r	Not sta	ted	тот	AL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	819	16.4	1113	22.2	1848	36.9	179	3.6	685	13.7	188	3.8	171	3.4	0	0.0	5003	100.0
South Western Sydney	2135	25.4	2032	24.2	2319	27.6	196	2.3	1254	14.9	181	2.2	289	3.4	0	0.0	8406	100.0
South Eastern Sydney	1067	18.0	1650	27.9	1714	29.0	164	2.8	907	15.3	355	6.0	56	0.9	0	0.0	5913	100.0
Illawarra Shoalhaven	650	26.7	954	39.2	505	20.7	56	2.3	192	7.9	57	2.3	20	0.8	0	0.0	2434	100.0
Western Sydney	1329	18.7	2121	29.8	1865	26.2	116	1.6	1271	17.9	327	4.6	78	1.1	0	0.0	7107	100.0
Nepean Blue Mountains	720	22.5	1225	38.2	682	21.3	61	1.9	366	11.4	108	3.4	43	1.3	0	0.0	3205	100.0
Northern Sydney	554	14.7	1184	31.4	1183	31.4	88	2.3	518	13.7	224	5.9	19	0.5	0	0.0	3770	100.0
Central Coast	400	21.0	803	42.2	404	21.2	44	2.3	137	7.2	88	4.6	28	1.5	0	0.0	1904	100.0
Hunter New England	1690	24.9	2715	40.0	1382	20.3	136	2.0	592	8.7	206	3.0	73	1.1	0	0.0	6794	100.0
Northern NSW	723	26.0	1091	39.2	650	23.3	39	1.4	190	6.8	59	2.1	33	1.2	0	0.0	2785	100.0
Mid North Coast	401	25.8	538	34.6	409	26.3	34	2.2	102	6.6	56	3.6	17	1.1	0	0.0	1557	100.0
Southern NSW	335	30.2	327	29.5	250	22.6	27	2.4	119	10.7	26	2.3	24	2.2	0	0.0	1108	100.0
Murrumbidgee	463	35.4	402	30.7	245	18.7	28	2.1	121	9.2	40	3.1	10	0.8	0	0.0	1309	100.0
Western NSW	808	31.0	910	34.9	538	20.6	59	2.3	199	7.6	78	3.0	13	0.5	1	0.0	2606	100.0
Far West	48	27.6	83	47.7	29	16.7	0	0.0	8	4.6	4	2.3	2	1.1	0	0.0	174	100.0
Private Hospitals	2559	19.1	2516	18.8	4176	31.2	118	0.9	3516	26.3	232	1.7	256	1.9	3	0.0	13376	100.0
TOTAL NSW	14769	21.9	19689	29.1	18214	27.0	1347	2.0	10177	15.1	2229	3.3	1132	1.7	8	0.0	67565	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

\* Total NSW includes births at home assisted by independent midwives.

TABLE 44: PERINEAL STATUS AMONG VAGINAL BIRTHS BY HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012\*

									Perineal	status								
Maternity service level-hospital	Inta	ct	1st degre graz		2nd degr	ee tear	3rd or degree		Episiot	omy	Combined and epision		Othe	er	Not sta	ted	тот	AL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6																		
Royal Prince Alfred	553	14.6	844	22.3	1455	38.4	149	3.9	534	14.1	146	3.9	107	2.8	0	0.0	3788	100.0
Royal North Shore	187	11.5	481	29.5	504	31.0	51	3.1	274	16.8	120	7.4	11	0.7	0	0.0	1628	100.0
Royal Hospital for Women	469	15.9	855	29.0	809	27.4	67	2.3	564	19.1	156	5.3	29	1.0	0	0.0	2949	100.0
Liverpool	559	22.9	570	23.4	674	27.6	44	1.8	436	17.9	68	2.8	89	3.6	0	0.0	2440	100.0
Nepean	494	20.4	966	40.0	486	20.1	48	2.0	297	12.3	87	3.6	38	1.6	0	0.0	2416	100.0
Westmead	686	18.4	907	24.4	1052	28.3	68	1.8	746	20.0	206	5.5	56	1.5	0	0.0	3721	100.0
John Hunter	567	19.8	1181	41.3	639	22.4	72	2.5	263	9.2	106	3.7	31	1.1	0	0.0	2859	100.0
TOTAL	3515	17.8	5804	29.3	5619	28.4	499	2.5	3114	15.7	889	4.5	361	1.8	0	0.0	19801	100.0
Level 5																		
Gosford	336	19.4	721	41.7	375	21.7	44	2.5	137	7.9	88	5.1	27	1.6	0	0.0	1728	100.0
St. George	359	18.4	481	24.7	627	32.2	69	3.5	230	11.8	164	8.4	18	0.9	0	0.0	1948	100.0
Blacktown	314	14.2	803	36.4	548	24.8	34	1.5	410	18.6	81	3.7	18	0.8	0	0.0	2208	100.0
Coffs Harbour	162	22.6	247	34.4	195	27.2	19	2.6	60	8.4	27	3.8	7	1.0	0	0.0	717	100.0
Lismore Base	224	24.3	388	42.0	205	22.2	13	1.4	60	6.5	21	2.3	12	1.3	0	0.0	923	100.0
Tweed Heads	291	23.8	439	36.0	332	27.2	22	1.8	98	8.0	31	2.5	8	0.7	0	0.0	1221	100.0
Port Macquarie Base	141	24.4	191	33.1	161	27.9	15	2.6	34	5.9	26	4.5	9	1.6	0	0.0	577	100.0
Dubbo Base	378	41.9	266	29.5	143	15.9	10	1.1	80	8.9	16	1.8	9	1.0	0	0.0	902	100.0
Wollongong	409	23.6	695	40.1	384	22.2	49	2.8	131	7.6	50	2.9	14	0.8	0	0.0	1732	100.0
Maitland	288	24.4	471	39.9	245	20.8	34	2.9	103	8.7	28	2.4	10	0.8	0	0.0	1179	100.0
Wagga Wagga Base	138	28.2	170	34.7	110	22.4	17	3.5	35	7.1	12	2.4	8	1.6	0	0.0	490	100.0
TOTAL	3040	22.3	4872	35.8	3325	24.4	326	2.4	1378	10.1	544	4.0	140	1.0	0	0.0	13625	100.0
Level 4																		
Canterbury	266	21.9	269	22.1	393	32.3	30	2.5	151	12.4	42	3.5	64	5.3	0	0.0	1215	100.0
Hornsby	157	17.0	304	32.9	297	32.2	26	2.8	95	10.3	42	4.6	2	0.2	0	0.0	923	100.0
Manly	160	16.4	313	32.1	291	29.8	7	0.7	140	14.4	59	6.1	5	0.5	0	0.0	975	100.0
Sutherland	239	23.5	314	30.9	278	27.4	28	2.8	113	11.1	35	3.4	9	0.9	0	0.0	1016	100.0
Auburn	329	27.9	411	34.9	265	22.5	14	1.2	115	9.8	40	3.4	4	0.3	0	0.0	1178	100.0

TABLE 44: (Continued)

									Perineal	status								
Maternity service level–hospital	Inta	ct	1st degre graz		2nd degr	ee tear	3rd or 4		Episiot	omy	Combine and epision		Othe	er	Not sta	ted	тот	AL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Fairfield	516	32.0	330	20.5	463	28.7	59	3.7	194	12.0	18	1.1	33	2.0	0	0.0	1613	100.0
Campbelltown	567	25.3	641	28.6	628	28.0	51	2.3	264	11.8	21	0.9	67	3.0	0	0.0	2239	100.0
Bankstown-Lidcombe	382	21.8	396	22.6	474	27.0	36	2.1	322	18.4	73	4.2	70	4.0	0	0.0	1753	100.0
Hawkesbury	149	30.1	157	31.7	119	24.0	7	1.4	47	9.5	13	2.6	3	0.6	0	0.0	495	100.0
Grafton Base	121	38.7	106	33.9	49	15.7	2	0.6	27	8.6	3	1.0	5	1.6	0	0.0	313	100.0
Tamworth Base	172	26.5	253	39.0	138	21.3	6	0.9	56	8.6	20	3.1	4	0.6	0	0.0	649	100.0
Manning Base	151	25.6	258	43.7	118	20.0	9	1.5	36	6.1	9	1.5	9	1.5	0	0.0	590	100.0
Orange Base	159	23.0	265	38.4	149	21.6	19	2.7	59	8.5	38	5.5	2	0.3	0	0.0	691	100.0
Goulburn Base	57	22.9	54	21.7	45	18.1	3	1.2	79	31.7	9	3.6	2	0.8	0	0.0	249	100.0
Griffith Base	119	33.9	126	35.9	49	14.0	6	1.7	42	12.0	9	2.6	0	0.0	0	0.0	351	100.0
TOTAL	3544	24.9	4197	29.5	3756	26.4	303	2.1	1740	12.2	431	3.0	279	2.0	0	0.0	14250	100.0
Level 3																		
Blue Mountains	33	19.9	72	43.4	49	29.5	5	3.0	5	3.0	2	1.2	0	0.0	0	0.0	166	100.0
Kempsey	74	36.6	76	37.6	43	21.3	0	0.0	6	3.0	2	1.0	1	0.5	0	0.0	202	100.0
Armidale	98	31.3	106	33.9	51	16.3	0	0.0	40	12.8	13	4.2	5	1.6	0	0.0	313	100.0
Inverell	63	36.6	51	29.7	12	7.0	2	1.2	35	20.3	7	4.1	2	1.2	0	0.0	172	100.0
Moree	64	37.4	61	35.7	38	22.2	3	1.8	4	2.3	0	0.0	1	0.6	0	0.0	171	100.0
Mudgee	53	26.2	68	33.7	61	30.2	2	1.0	13	6.4	5	2.5	0	0.0	0	0.0	202	100.0
Bathurst Base	79	20.1	176	44.8	93	23.7	14	3.6	19	4.8	11	2.8	1	0.3	0	0.0	393	100.0
Bega	43	25.7	63	37.7	43	25.7	5	3.0	7	4.2	4	2.4	2	1.2	0	0.0	167	100.0
Moruya	105	43.6	43	17.8	58	24.1	12	5.0	8	3.3	2	0.8	13	5.4	0	0.0	241	100.0
Queanbeyan	83	25.4	124	37.9	82	25.1	4	1.2	20	6.1	7	2.1	7	2.1	0	0.0	327	100.0
Bowral	111	30.7	95	26.3	80	22.2	6	1.7	38	10.5	1	0.3	30	8.3	0	0.0	361	100.0
Shoalhaven	202	33.3	228	37.6	103	17.0	6	1.0	58	9.6	4	0.7	6	1.0	0	0.0	607	100.0
Muswellbrook	50	30.9	63	38.9	25	15.4	0	0.0	13	8.0	4	2.5	7	4.3	0	0.0	162	100.0
Broken Hill Base	48	27.6	83	47.7	29	16.7	0	0.0	8	4.6	4	2.3	2	1.1	0	0.0	174	100.0
Other hospitals	574	34.0	543	32.1	343	20.3	30	1.8	138	8.2	53	3.1	8	0.5	0	0.0	1689	100.0
TOTAL	1680	31.4	1852	34.6	1110	20.8	89	1.7	412	7.7	119	2.2	85	1.6	0	0.0	5347	100.0
Level 2																		
TOTAL	345	34.0	412	40.6	209	20.6	10	1.0	14	1.4	14	1.4	10	1.0	0	0.0	1014	100.0
Private																		
Mater, North Sydney	211	17.2	201	16.4	349	28.5	16	1.3	350	28.6	53	4.3	44	3.6	1	0.1	1225	100.0
North Shore Private	225	17.6	229	18.0	424	33.3	5	0.4	368	28.9	8	0.6	16	1.3	0	0.0	1275	100.0
Sydney Adventist	250	19.4	355	27.6	388	30.1	9	0.7	274	21.3	3	0.2	9	0.7	0	0.0	1288	100.0
North Gosford Private	123	28.5	84	19.5	111	25.8	3	0.7	88	20.4	10	2.3	12	2.8	0	0.0	431	100.0
Hurstville Community	75	13.6	124	22.5	166	30.1	3	0.5	160	29.0	16	2.9	7	1.3	0	0.0	551	100.0
Kareena Private	78	18.4	93	21.9	166	39.2	3	0.7	81	19.1	2	0.5	1	0.2	0	0.0	424	100.0
St. George Private	200	21.4	203	21.7	327	34.9	14	1.5	180	19.2	4	0.4	8	0.9	0	0.0	936	100.0
Prince of Wales Private	233	18.3	234	18.4	405	31.8	7	0.5	307	24.1	61	4.8	26	2.0	0	0.0	1273	100.0
Norwest Private	261	19.9	246	18.7	456	34.7	9	0.7	258	19.6	40	3.0	44	3.3	0	0.0	1314	100.0
Sydney Southwest Private	119	19.0	111	17.8	143	22.9	8	1.3	223	35.7	12	1.9	8	1.3	1	0.2	625	100.0
Nepean Private	113	22.1	52	10.2	155	30.3	1	0.2	171	33.4	6	1.2	13	2.5	1	0.2	512	100.0
Westmead Private	201	15.7	198	15.4	301	23.5	3	0.2	553	43.1	6	0.5	21	1.6	0	0.2	1283	100.0
Figtree Private	119	20.8	89	15.4	178	31.1	4	0.2	179	31.3	1	0.3	2	0.3	0	0.0	572	100.0
Newcastle Private	288	20.6	241	18.9	470	36.9	26	2.0	219	17.2	1	0.2	27	2.1	0	0.0	1272	100.0
Calvary, Wagga Wagga	49	17.1	36	12.6	104	36.4	6	2.0	74	25.9	3	1.0	14	4.9	0	0.0	286	100.0
Other hospitals	17	14.5	20	17.1	36	30.8	1	0.9	32	27.4	6	5.1	4	3.4	1	0.0	117	100.0
TOTAL	2562	19.1	2516	18.8	4179	31.2	118	0.9	3517	26.3	232	1.7	256	1.9	4	0.9	13384	100.0
TOTAL NSW*	14769	21.9	19689	29.1	18214	27.0	1347	2.0	10177	15.1	2229	3.3	1132	1.7	8	0.0	67565	100.0
Source: NSW Perinatal Data Co									10177	15.1	2229	3.3	1132	1.7	•	0.0	0/303	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

### Birth weight

Table 45 shows the birth weight of babies for local health districts, and Table 46 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

TABLE 45: BIRTHS BY BIRTH WEIGHT AND LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

						Birth v	veight					
Local Health District	Less than 1,	000	1,000–1,4	99	1,500–2,4	99	2,500+		Not state	d	TOTAL	_
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	73	1.0	60	0.8	404	5.6	6628	92.4	7	0.1	7172	100.0
South Western Sydney	89	0.8	84	0.8	551	5.0	10240	93.3	10	0.1	10974	100.0
South Eastern Sydney	97	1.2	66	0.8	473	5.8	7555	92.1	10	0.1	8201	100.0
Illawarra Shoalhaven	19	0.6	4	0.1	171	5.1	3131	94.1	1	0.0	3326	100.0
Western Sydney	89	0.9	57	0.6	583	5.8	9225	92.6	12	0.1	9966	100.0
Nepean Blue Mountains	58	1.2	55	1.1	330	6.7	4464	90.9	3	0.1	4910	100.0
Northern Sydney	36	0.7	54	1.0	270	5.0	5062	93.3	2	0.0	5424	100.0
Central Coast	14	0.5	7	0.3	135	5.0	2543	94.2	1	0.0	2700	100.0
Hunter New England	94	1.0	96	1.0	585	6.2	8701	91.8	5	0.1	9481	100.0
Northern NSW	19	0.5	2	0.1	174	4.7	3504	94.7	1	0.0	3700	100.0
Mid North Coast	6	0.3	5	0.2	76	3.4	2120	96.0	1	0.0	2208	100.0
Southern NSW	5	0.3	2	0.1	52	3.5	1445	96.0	1	0.1	1505	100.0
Murrumbidgee	12	0.6	4	0.2	93	4.9	1777	94.2	0	0.0	1886	100.0
Western NSW	20	0.6	11	0.3	161	4.4	3431	94.6	2	0.1	3625	100.0
Far West	4	1.6	0	0.0	8	3.1	244	94.6	2	0.8	258	100.0
Private Hospitals	45	0.2	14	0.1	814	3.4	23181	96.3	6	0.0	24060	100.0
TOTAL NSW*	680	0.7	521	0.5	4880	4.9	93363	93.8	66	0.1	99510	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

\* Total NSW includes births at home assisted by independent midwives.

TABLE 46: BIRTHS BY BIRTH WEIGHT, HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012\*

						Birth w	eight					
Maternity service level-hospital	Less than 1,	000	1,000 - 1,4	99	1,500 - 2,4	99	2,500+		Not state	d	TOTAL	
ievei-iiospitai	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6												
Royal Prince Alfred	67	1.2	59	1.1	332	6.1	4998	91.5	6	0.1	5462	100.0
Royal North Shore	33	1.3	54	2.1	205	8.0	2278	88.6	1	0.0	2571	100.0
Royal Hospital for Women	73	1.7	60	1.4	274	6.5	3795	90.2	4	0.1	4206	100.0
Liverpool	58	1.8	70	2.1	279	8.5	2883	87.5	6	0.2	3296	100.0
Nepean	56	1.5	55	1.5	289	7.7	3333	89.2	2	0.1	3735	100.0
Westmead	68	1.3	51	0.9	414	7.7	4859	90.0	8	0.1	5400	100.0
John Hunter	73	1.8	81	2.0	325	7.9	3649	88.3	3	0.1	4131	100.0
TOTAL	428	1.5	430	1.5	2118	7.4	25795	89.6	30	0.1	28801	100.0
Level 5												
Gosford	14	0.6	7	0.3	135	5.3	2367	93.8	1	0.0	2524	100.0
St. George	19	0.7	5	0.2	168	6.2	2499	92.8	3	0.1	2694	100.0
Blacktown	19	0.6	4	0.1	134	4.3	2959	94.9	2	0.1	3118	100.0
Coffs Harbour	4	0.4	4	0.4	35	3.3	1029	95.9	1	0.1	1073	100.0
Lismore Base	5	0.4	0	0.0	69	5.5	1176	94.1	0	0.0	1250	100.0
Tweed Heads	11	0.7	1	0.1	77	4.8	1501	94.3	1	0.1	1591	100.0
Port Macquarie Base	2	0.2	1	0.1	34	4.2	775	95.4	0	0.0	812	100.0
Dubbo Base	6	0.5	7	0.6	67	5.3	1181	93.7	0	0.0	1261	100.0
Wollongong	15	0.6	3	0.1	134	5.7	2191	93.5	0	0.0	2343	100.0
Maitland	4	0.2	5	0.3	87	5.2	1580	94.2	1	0.1	1677	100.0
Wagga Wagga Base	9	1.2	3	0.4	44	6.0	682	92.4	0	0.0	738	100.0
TOTAL	108	0.6	40	0.2	984	5.2	17940	94.0	9	0.0	19081	100.0
Level 4												
Canterbury	6	0.4	1	0.1	72	4.2	1630	95.3	1	0.1	1710	100.0
Hornsby	0	0.0	0	0.0	39	3.0	1250	96.9	1	0.1	1290	100.0
Manly	3	0.2	0	0.0	22	1.7	1240	98.0	0	0.0	1265	100.0
Sutherland	5	0.4	1	0.1	31	2.4	1261	96.9	3	0.2	1301	100.0
Auburn	2	0.1	2	0.1	35	2.4	1407	97.2	2	0.1	1448	100.0
Fairfield	4	0.2	4	0.2	56	2.8	1944	96.8	0	0.0	2008	100.0
Campbelltown	15	0.5	6	0.2	121	4.1	2784	95.0	3	0.1	2929	100.0
Bankstown-Lidcombe	12	0.5	4	0.2	85	3.7	2180	95.6	0	0.0	2281	100.0
Hawkesbury	1	0.1	0	0.0	29	3.7	748	96.1	0	0.0	778	100.0

TABLE 46: (Continued)

						Birth w	eight					
Maternity service level-hospital	Less than 1,	000	1,000–1,49	9	1,500–2,49	99	2,500+		Not state	d	TOTAL	L
ilevei–ilospitai	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Grafton Base	3	0.7	1	0.2	26	5.7	423	93.4	0	0.0	453	100.0
Tamworth Base	3	0.3	1	0.1	57	6.3	846	93.2	1	0.1	908	100.0
Manning Base	6	0.8	4	0.5	49	6.4	709	92.3	0	0.0	768	100.0
Orange Base	7	0.7	2	0.2	53	5.3	929	93.6	2	0.2	993	100.0
Goulburn Base	2	0.6	0	0.0	19	5.7	312	93.7	0	0.0	333	100.0
Griffith Base	3	0.6	1	0.2	35	6.7	483	92.5	0	0.0	522	100.0
TOTAL	72	0.4	27	0.1	729	3.8	18146	95.6	13	0.1	18987	100.0
Level 3												
Blue Mountains	1	0.5	0	0.0	4	1.8	213	97.3	1	0.5	219	100.0
Kempsey	0	0.0	0	0.0	5	1.9	257	98.1	0	0.0	262	100.0
Armidale	5	1.1	2	0.4	24	5.1	441	93.4	0	0.0	472	100.0
Inverell	1	0.4	3	1.1	20	7.5	242	91.0	0	0.0	266	100.0
Moree	1	0.5	0	0.0	8	3.7	205	95.8	0	0.0	214	100.0
Mudgee	1	0.4	0	0.0	1	0.4	259	99.2	0	0.0	261	100.0
Bathurst Base	3	0.5	1	0.2	20	3.5	545	95.8	0	0.0	569	100.0
Bega	0	0.0	0	0.0	7	3.0	226	97.0	0	0.0	233	100.0
Moruya	3	0.9	2	0.6	13	3.9	317	94.3	1	0.3	336	100.0
Queanbeyan	0	0.0	0	0.0	7	1.6	422	98.4	0	0.0	429	100.0
Bowral	0	0.0	0	0.0	10	2.2	449	97.6	1	0.2	460	100.0
Shoalhaven	4	0.5	1	0.1	34	3.9	822	95.4	1	0.1	862	100.0
Muswellbrook	0	0.0	0	0.0	3	1.5	201	98.5	0	0.0	204	100.0
Broken Hill Base	4	1.6	0	0.0	8	3.1	244	94.6	2	0.8	258	100.0
Other hospitals	3	0.1	1	0.0	54	2.3	2240	97.5	0	0.0	2298	100.0
TOTAL	26	0.4	10	0.1	218	3.0	7083	96.5	6	0.1	7343	100.0
Level 2		• • •		<b>U.</b>		5.0	7005	30.5		• • • • • • • • • • • • • • • • • • • •	75.5	
TOTAL	1	0.1	0	0.0	10	0.9	1073	99.0	0	0.0	1084	100.0
Private												
Mater, North Sydney	2	0.1	3	0.1	78	3.2	2361	96.6	1	0.0	2445	100.0
North Shore Private	5	0.2	5	0.2	94	3.8	2370	95.8	0	0.0	2474	100.0
Sydney Adventist	3	0.1	4	0.2	65	3.1	2051	96.6	0	0.0	2123	100.0
North Gosford Private	2	0.2	0	0.0	13	1.6	791	98.1	0	0.0	806	100.0
Hurstville Community	0	0.0	0	0.0	29	3.1	911	96.9	0	0.0	940	100.0
Kareena Private	1	0.1	0	0.0	49	6.1	757	93.8	0	0.0	807	100.0
St. George Private	12	0.7	1	0.1	75	4.3	1662	95.0	0	0.0	1750	100.0
Prince of Wales Private	0	0.0	0	0.0	93	3.4	2607	96.5	1	0.0	2701	100.0
Norwest Private	3	0.1	1	0.0	81	4.0	1936	95.7	2	0.1	2023	100.0
Sydney Southwest Private	2	0.2	0	0.0	25	2.5	973	97.3	0	0.0	1000	100.0
Nepean Private	4	0.5	0	0.0	22	2.5	857	96.9	1	0.1	884	100.0
Westmead Private	3	0.1	0	0.0	92	4.1	2143	95.7	1	0.0	2239	100.0
Figtree Private	3	0.3	0	0.0	26	2.6	982	97.1	0	0.0	1011	100.0
Newcastle Private	5	0.2	0	0.0	59	2.8	2053	97.0	0	0.0	2117	100.0
Calvary, Wagga Wagga	0	0.0	0	0.0	13	2.4	523	97.6	0	0.0	536	100.0
Other hospitals	0	0.0	0	0.0	1	0.5	212	99.5	0	0.0	213	100.0
TOTAL	45	0.2	14	0.1	815	3.4	23189	96.3	6	0.0	24069	100.0
TOTAL NSW*	680	0.7	521	0.5	4880	4.9	93363	93.8	66	0.1	99510	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

#### Gestational age

Table 47 shows the gestational age of babies for local health districts, and Table 48 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

TABLE 47: BIRTHS BY GESTATIONAL AGE AND LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

						Gestatio	onal age					
Local Health District	<32		32–33		34–36		37+		Not state	d	TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	152	2.1	68	0.9	367	5.1	6585	91.8	0	0.0	7172	100.0
South Western Sydney	189	1.7	108	1.0	580	5.3	10097	92.0	0	0.0	10974	100.0
South Eastern Sydney	185	2.3	116	1.4	437	5.3	7462	91.0	1	0.0	8201	100.0
Illawarra Shoalhaven	30	0.9	32	1.0	200	6.0	3064	92.1	0	0.0	3326	100.0
Western Sydney	158	1.6	114	1.1	480	4.8	9214	92.5	0	0.0	9966	100.0
Nepean Blue Mountains	132	2.7	67	1.4	333	6.8	4378	89.2	0	0.0	4910	100.0
Northern Sydney	112	2.1	63	1.2	234	4.3	5015	92.5	0	0.0	5424	100.0
Central Coast	31	1.1	12	0.4	162	6.0	2495	92.4	0	0.0	2700	100.0
Hunter New England	212	2.2	141	1.5	608	6.4	8519	89.9	1	0.0	9481	100.0
Northern NSW	28	0.8	20	0.5	211	5.7	3441	93.0	0	0.0	3700	100.0
Mid North Coast	15	0.7	6	0.3	115	5.2	2071	93.8	1	0.0	2208	100.0
Southern NSW	9	0.6	3	0.2	45	3.0	1448	96.2	0	0.0	1505	100.0
Murrumbidgee	15	0.8	6	0.3	106	5.6	1759	93.3	0	0.0	1886	100.0
Western NSW	34	0.9	14	0.4	221	6.1	3355	92.6	1	0.0	3625	100.0
Far West	4	1.6	0	0.0	9	3.5	245	95.0	0	0.0	258	100.0
Private Hospitals	59	0.2	87	0.4	1219	5.1	22695	94.3	0	0.0	24060	100.0
TOTAL NSW*	1365	1.4	857	0.9	5327	5.4	91957	92.4	4	0.0	99510	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

\* Total NSW includes births at home assisted by independent midwives.

TABLE 48: BIRTHS BY GESTATIONAL AGE, HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012#

						Gestation	nal age					
Maternity service level-hospital	<32		32–33		34–36		37+		Not state	ed	TOTAL	
level Hospital	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6												
Royal Prince Alfred	144	2.6	63	1.2	309	5.7	4946	90.6	0	0.0	5462	100.0
Royal North Shore	108	4.2	55	2.1	150	5.8	2258	87.8	0	0.0	2571	100.0
Royal Hospital for Women	151	3.6	89	2.1	230	5.5	3736	88.8	0	0.0	4206	100.0
Liverpool	144	4.4	78	2.4	213	6.5	2861	86.8	0	0.0	3296	100.0
Nepean	130	3.5	66	1.8	269	7.2	3270	87.6	0	0.0	3735	100.0
Westmead	130	2.4	98	1.8	325	6.0	4847	89.8	0	0.0	5400	100.0
John Hunter	172	4.2	102	2.5	308	7.5	3549	85.9	0	0.0	4131	100.0
TOTAL	979	3.4	551	1.9	1804	6.3	25467	88.4	0	0.0	28801	100.0
Level 5												
Gosford	31	1.2	12	0.5	162	6.4	2319	91.9	0	0.0	2524	100.0
St. George	27	1.0	24	0.9	155	5.8	2487	92.3	1	0.0	2694	100.0
Blacktown	22	0.7	13	0.4	129	4.1	2954	94.7	0	0.0	3118	100.0
Coffs Harbour	10	0.9	2	0.2	56	5.2	1005	93.7	0	0.0	1073	100.0
Lismore Base	8	0.6	9	0.7	80	6.4	1153	92.2	0	0.0	1250	100.0
Tweed Heads	16	1.0	8	0.5	95	6.0	1472	92.5	0	0.0	1591	100.0
Port Macquarie Base	4	0.5	3	0.4	46	5.7	758	93.3	1	0.1	812	100.0
Dubbo Base	11	0.9	8	0.6	105	8.3	1136	90.1	1	0.1	1261	100.0
Wollongong	24	1.0	27	1.2	163	7.0	2129	90.9	0	0.0	2343	100.0
Maitland	8	0.5	13	0.8	102	6.1	1554	92.7	0	0.0	1677	100.0
Wagga Wagga Base	10	1.4	2	0.3	47	6.4	679	92.0	0	0.0	738	100.0
TOTAL	171	0.9	121	0.6	1140	6.0	17646	92.5	3	0.0	19081	100.0
Level 4												
Canterbury	8	0.5	5	0.3	58	3.4	1639	95.8	0	0.0	1710	100.0
Hornsby	1	0.1	6	0.5	45	3.5	1238	96.0	0	0.0	1290	100.0
Manly	3	0.2	2	0.2	38	3.0	1222	96.6	0	0.0	1265	100.0
Sutherland	7	0.5	3	0.2	52	4.0	1239	95.2	0	0.0	1301	100.0
Auburn	6	0.4	3	0.2	26	1.8	1413	97.6	0	0.0	1448	100.0
Fairfield	10	0.5	3	0.1	81	4.0	1914	95.3	0	0.0	2008	100.0
Campbelltown	22	0.8	20	0.7	176	6.0	2711	92.6	0	0.0	2929	100.0
Bankstown-Lidcombe	12	0.5	6	0.3	99	4.3	2164	94.9	0	0.0	2281	100.0
Hawkesbury	1	0.1	1	0.1	51	6.6	725	93.2	0	0.0	778	100.0

TABLE 48: (Continued)

						Gestation	nal age					
Maternity service level-hospital	<32		32–33		34–36		37+		Not state	d	TOTAL	-
iever nospitai	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Grafton Base	3	0.7	3	0.7	35	7.7	412	90.9	0	0.0	453	100.0
Tamworth Base	9	1.0	12	1.3	73	8.0	813	89.5	1	0.1	908	100.0
Manning Base	10	1.3	8	1.0	55	7.2	695	90.5	0	0.0	768	100.0
Orange Base	12	1.2	3	0.3	75	7.6	903	90.9	0	0.0	993	100.0
Goulburn Base	2	0.6	1	0.3	10	3.0	320	96.1	0	0.0	333	100.0
Griffith Base	5	1.0	4	0.8	46	8.8	467	89.5	0	0.0	522	100.0
TOTAL	111	0.6	80	0.4	920	4.8	17875	94.1	1	0.0	18987	100.0
Level 3												
Blue Mountains	1	0.5	0	0.0	7	3.2	211	96.3	0	0.0	219	100.0
Kempsey	1	0.4	1	0.4	10	3.8	250	95.4	0	0.0	262	100.0
Armidale	6	1.3	1	0.2	31	6.6	434	91.9	0	0.0	472	100.0
Inverell	3	1.1	1	0.4	14	5.3	248	93.2	0	0.0	266	100.0
Moree	2	0.9	2	0.9	6	2.8	204	95.3	0	0.0	214	100.0
Mudgee	1	0.4	1	0.4	5	1.9	254	97.3	0	0.0	261	100.0
Bathurst Base	5	0.9	2	0.4	21	3.7	541	95.1	0	0.0	569	100.0
Bega	0	0.0	0	0.0	11	4.7	222	95.3	0	0.0	233	100.0
Moruya	6	1.8	2	0.6	10	3.0	318	94.6	0	0.0	336	100.0
Queanbeyan	1	0.2	0	0.0	10	2.3	418	97.4	0	0.0	429	100.0
Bowral	1	0.2	1	0.2	11	2.4	447	97.2	0	0.0	460	100.0
Shoalhaven	6	0.7	5	0.6	37	4.3	814	94.4	0	0.0	862	100.0
Muswellbrook	0	0.0	0	0.0	4	2.0	200	98.0	0	0.0	204	100.0
Broken Hill Base	4	1.6	0	0.0	9	3.5	245	95.0	0	0.0	258	100.0
Other hospitals	5	0.2	2	0.1	48	2.1	2243	97.6	0	0.0	2298	100.0
TOTAL	42	0.6	18	0.2	234	3.2	7049	96.0	0	0.0	7343	100.0
Level 2												
TOTAL	2	0.2	0	0.0	7	0.6	1075	99.2	0	0.0	1084	100.0
Private												
Mater, North Sydney	6	0.2	21	0.9	107	4.4	2311	94.5	0	0.0	2445	100.0
North Shore Private	7	0.3	19	0.8	135	5.5	2313	93.5	0	0.0	2474	100.0
Sydney Adventist	5	0.2	11	0.5	88	4.1	2019	95.1	0	0.0	2123	100.0
North Gosford Private	2	0.2	1	0.1	42	5.2	761	94.4	0	0.0	806	100.0
Hurstville Community	0	0.0	1	0.1	50	5.3	889	94.6	0	0.0	940	100.0
Kareena Private	1	0.1	1	0.1	78	9.7	727	90.1	0	0.0	807	100.0
St. George Private	13	0.7	7	0.4	112	6.4	1618	92.5	0	0.0	1750	100.0
Prince of Wales Private	1	0.0	3	0.1	120	4.4	2577	95.4	0	0.0	2701	100.0
Norwest Private	5	0.2	10	0.5	90	4.4	1918	94.8	0	0.0	2023	100.0
Sydney Southwest Private	2	0.2	0	0.0	45	4.5	953	95.3	0	0.0	1000	100.0
Nepean Private	5	0.6	2	0.2	42	4.8	835	94.5	0	0.0	884	100.0
Westmead Private	4	0.2	7	0.3	96	4.3	2132	95.2	0	0.0	2239	100.0
Figtree Private	3	0.3	0	0.0	49	4.8	959	94.9	0	0.0	1011	100.0
Newcastle Private	5	0.2	3	0.1	119	5.6	1990	94.0	0	0.0	2117	100.0
Calvary, Wagga Wagga	0	0.0	1	0.2	44	8.2	491	91.6	0	0.0	536	100.0
Other hospitals	0	0.0	0	0.0	2	0.9	211	99.1	0	0.0	213	100.0
TOTAL	59	0.2	87	0.4	1219	5.1	22704	94.3	0	0.0	24069	100.0
TOTAL NSW*	1365	1.4	857	0.9	5327	5.4	91957	92.4	4	0.0	99510	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

#### Neonatal resuscitation

Table 49 shows the type of neonatal resuscitation for local health districts, and Table 50 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

TABLE 49: BIRTHS BY TYPE OF RESUSCITATION AND LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

							Re	suscitati	on of baby							
Local Health District	None/Mi	nimal	Suctio	on	O2 The	rapy	IPPR by	mask	Intubatio IPPR		External c massage ventilat	and	Not stat	ed	тот	AL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	5827	81.2	280	3.9	307	4.3	620	8.6	85	1.2	52	0.7	1	0.0	7172	100.0
South Western Sydney	9563	87.1	230	2.1	549	5.0	516	4.7	43	0.4	71	0.6	2	0.0	10974	100.0
South Eastern Sydney	6414	78.2	510	6.2	391	4.8	759	9.3	87	1.1	38	0.5	2	0.0	8201	100.0
Illawarra Shoalhaven	2844	85.5	90	2.7	180	5.4	187	5.6	9	0.3	16	0.5	0	0.0	3326	100.0
Western Sydney	7883	79.1	779	7.8	495	5.0	639	6.4	136	1.4	34	0.3	0	0.0	9966	100.0
Nepean Blue Mountains	3599	73.3	319	6.5	472	9.6	420	8.6	68	1.4	31	0.6	1	0.0	4910	100.0
Northern Sydney	4408	81.3	275	5.1	233	4.3	455	8.4	43	0.8	10	0.2	0	0.0	5424	100.0
Central Coast	2098	77.7	157	5.8	144	5.3	284	10.5	7	0.3	10	0.4	0	0.0	2700	100.0
Hunter New England	7377	77.8	277	2.9	536	5.7	1213	12.8	37	0.4	41	0.4	0	0.0	9481	100.0
Northern NSW	2992	80.9	139	3.8	214	5.8	331	8.9	12	0.3	12	0.3	0	0.0	3700	100.0
Mid North Coast	1883	85.3	40	1.8	72	3.3	195	8.8	5	0.2	13	0.6	0	0.0	2208	100.0
Southern NSW	1299	86.3	30	2.0	50	3.3	119	7.9	0	0.0	7	0.5	0	0.0	1505	100.0
Murrumbidgee	1544	81.9	55	2.9	124	6.6	147	7.8	5	0.3	11	0.6	0	0.0	1886	100.0
Western NSW	3068	84.6	68	1.9	191	5.3	262	7.2	8	0.2	28	0.8	0	0.0	3625	100.0
Far West	204	79.1	11	4.3	13	5.0	25	9.7	2	0.8	1	0.4	2	0.8	258	100.0
Private Hospitals	18795	78.1	2385	9.9	1919	8.0	898	3.7	23	0.1	37	0.2	3	0.0	24060	100.0
TOTAL NSW*	79897	80.3	5646	5.7	5893	5.9	7077	7.1	570	0.6	414	0.4	13	0.0	99510	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health. IPPR: Intermittent positive pressure respiration.

\* Total NSW includes births at home assisted by independent midwives.

TABLE 50: BIRTHS BY TYPE OF RESUSCITATION, HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012\*

							Re	suscitati	on of baby							
Maternity service level-hospital	None/Mi	nimal	Suctio	on	O2 Ther	ару	IPPR by	mask	Intubation IPPR		External communication massage ventilat	and	Not stat	ted	тот	AL
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6																
Royal Prince Alfred	4371	80.0	200	3.7	207	3.8	562	10.3	84	1.5	38	0.7	0	0.0	5462	100.0
Royal North Shore	1994	77.6	215	8.4	73	2.8	249	9.7	37	1.4	3	0.1	0	0.0	2571	100.0
Royal Hospital for Women	3109	73.9	359	8.5	210	5.0	434	10.3	79	1.9	14	0.3	1	0.0	4206	100.0
Liverpool	2743	83.2	101	3.1	141	4.3	267	8.1	34	1.0	9	0.3	1	0.0	3296	100.0
Nepean	2703	72.4	239	6.4	324	8.7	373	10.0	67	1.8	29	0.8	0	0.0	3735	100.0
Westmead	4337	80.3	321	5.9	184	3.4	414	7.7	124	2.3	20	0.4	0	0.0	5400	100.0
John Hunter	3076	74.5	168	4.1	147	3.6	698	16.9	24	0.6	18	0.4	0	0.0	4131	100.0
TOTAL	22333	77.5	1603	5.6	1286	4.5	2997	10.4	449	1.6	131	0.5	2	0.0	28801	100.0
Level 5																
Gosford	1930	76.5	156	6.2	139	5.5	282	11.2	7	0.3	10	0.4	0	0.0	2524	100.0
St. George	2191	81.3	96	3.6	139	5.2	246	9.1	4	0.1	17	0.6	1	0.0	2694	100.0
Blacktown	2224	71.3	438	14.0	262	8.4	176	5.6	9	0.3	9	0.3	0	0.0	3118	100.0
Coffs Harbour	906	84.4	25	2.3	38	3.5	93	8.7	4	0.4	7	0.7	0	0.0	1073	100.0
Lismore Base	1019	81.5	24	1.9	96	7.7	103	8.2	3	0.2	5	0.4	0	0.0	1250	100.0
Tweed Heads	1232	77.4	88	5.5	78	4.9	183	11.5	6	0.4	4	0.3	0	0.0	1591	100.0
Port Macquarie Base	702	86.5	11	1.4	22	2.7	73	9.0	1	0.1	3	0.4	0	0.0	812	100.0
Dubbo Base	1068	84.7	30	2.4	52	4.1	98	7.8	3	0.2	10	0.8	0	0.0	1261	100.0
Wollongong	2000	85.4	61	2.6	132	5.6	131	5.6	7	0.3	12	0.5	0	0.0	2343	100.0
Maitland	1396	83.2	12	0.7	60	3.6	197	11.7	4	0.2	8	0.5	0	0.0	1677	100.0
Wagga Wagga Base	603	81.7	17	2.3	25	3.4	79	10.7	4	0.5	10	1.4	0	0.0	738	100.0
TOTAL	15271	80.0	958	5.0	1043	5.5	1661	8.7	52	0.3	95	0.5	1	0.0	19081	100.0
Level 4																
Canterbury	1456	85.1	80	4.7	100	5.8	58	3.4	1	0.1	14	0.8	1	0.1	1710	100.0
Hornsby	1089	84.4	38	2.9	65	5.0	95	7.4	1	0.1	2	0.2	0	0.0	1290	100.0
Manly	1055	83.4	19	1.5	87	6.9	97	7.7	4	0.3	3	0.2	0	0.0	1265	100.0
Sutherland	1114	85.6	55	4.2	42	3.2	79	6.1	4	0.3	7	0.5	0	0.0	1301	100.0
Auburn	1322	91.3	20	1.4	49	3.4	49	3.4	3	0.2	5	0.3	0	0.0	1448	100.0
Fairfield	1842	91.7	51	2.5	59	2.9	40	2.0	3	0.1	13	0.6	0	0.0	2008	100.0

TABLE 50: (Continued)

							Re	suscitatio	on of baby							
Maternity service level-hospital	None/Mii		Suctio		O2 The		IPPR by r		Intubation IPPR	:	External ca massage ventilati	and	Not stat		TOTA	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Campbelltown	2540	86.7	29	1.0	205	7.0	115	3.9	4	0.1	36	1.2	0	0.0	2929	100.0
Bankstown-Lidcombe	2049	89.8	44	1.9	102	4.5	74	3.2	2	0.1	9	0.4	1	0.0	2281	100.0
Hawkesbury	577	74.2	65	8.4	107	13.8	27	3.5	1	0.1	1	0.1	0	0.0	778	100.0
Grafton Base	386	85.2	21	4.6	11	2.4	30	6.6	3	0.7	2	0.4	0	0.0	453	100.0
Tamworth Base	738	81.3	19	2.1	60	6.6	85	9.4	2	0.2	4	0.4	0	0.0	908	100.0
Manning Base	626	81.5	12	1.6	27	3.5	93	12.1	3	0.4	7	0.9	0	0.0	768	100.0
Orange Base	853	85.9	8	0.8	44	4.4	76	7.7	3	0.3	9	0.9	0	0.0	993	100.0
Goulburn Base	250	75.1	14	4.2	24	7.2	45	13.5	0	0.0	0	0.0	0	0.0	333	100.0
Griffith Base	425	81.4	10	1.9	41	7.9	45	8.6	1	0.2	0	0.0	0	0.0	522	100.0
TOTAL	16322	86.0	485	2.6	1023	5.4	1008	5.3	35	0.2	112	0.6	2	0.0	18987	100.0
Level 3																
Blue Mountains	185	84.5	8	3.7	17	7.8	8	3.7	0	0.0	0	0.0	1	0.5	219	100.0
Kempsey	222	84.7	4	1.5	9	3.4	24	9.2	0	0.0	3	1.1	0	0.0	262	100.0
Armidale	377	79.9	23	4.9	49	10.4	23	4.9	0	0.0	0	0.0	0	0.0	472	100.0
Inverell	102	38.3	9	3.4	134	50.4	20	7.5	1	0.4	0	0.0	0	0.0	266	100.0
Moree	177	82.7	4	1.9	15	7.0	17	7.9	1	0.5	0	0.0	0	0.0	214	100.0
Mudgee	223	85.4	4	1.5	21	8.0	12	4.6	0	0.0	1	0.4	0	0.0	261	100.0
Bathurst Base	463	81.4	16	2.8	34	6.0	50	8.8	0	0.0	6	1.1	0	0.0	569	100.0
Bega	206	88.4	2	0.9	7	3.0	17	7.3	0	0.0	1	0.4	0	0.0	233	100.0
Moruya	297	88.4	9	2.7	11	3.3	17	5.1	0	0.0	2	0.6	0	0.0	336	100.0
Queanbeyan	384	89.5	4	0.9	8	1.9	29	6.8	0	0.0	4	0.9	0	0.0	429	100.0
Bowral	389	84.6	5	1.1	42	9.1	20	4.3	0	0.0	4	0.9	0	0.0	460	100.0
Shoalhaven	736	85.4	28	3.2	43	5.0	50	5.8	2	0.2	3	0.3	0	0.0	862	100.0
Muswellbrook	189	92.6	2	1.0	1	0.5	12	5.9	0	0.0	0	0.0	0	0.0	204	100.0
Broken Hill Base	204	79.1	11	4.3	13	5.0	25	9.7	2	0.8	1	0.4	2	0.8	258	100.0
Other hospitals	1918	83.5	72	3.1	174	7.6	122	5.3	4	0.2	8	0.3	0	0.0	2298	100.0
TOTAL	6072	82.7	201	2.7	578	7.9	446	6.1	10	0.1	33	0.4	3	0.0	7343	100.0
Level 2	0072	OZ.,	201		370	7.5		0.1		0.1	- 55	0.4		0.0	7545	100.0
TOTAL	973	89.8	13	1.2	35	3.2	59	5.4	0	0.0	4	0.4	0	0.0	1084	100.0
Private	373	03.0			33	J.L		3.4		0.0	-	0.4		0.0	1004	100.0
	1000	01.0	111	4.5	227	0.2	104	4.3	1	0.0	2	0.1	0	0.0	2445	400.0
Mater, North Sydney	1999	81.8	111	4.5	227	9.3	104	4.3	·	0.0	3	0.1	0	0.0	2445	100.0
North Shore Private	2023	81.8	182	7.4	205	8.3	59	2.4	2	0.1	1	0.0	2	0.1	2474	100.0
Sydney Adventist	1991	93.8	8	0.4	43	2.0	74	3.5	1	0.0	6	0.3	0	0.0	2123	100.0
North Gosford Private	649	80.5	41	5.1	85	10.5	29	3.6	0	0.0	2	0.2	0	0.0	806	100.0
Hurstville Community	566	60.2	243	25.9	107	11.4	20	2.1	2	0.2	2	0.2	0	0.0	940	100.0
Kareena Private	651	80.7	68	8.4	50	6.2	34	4.2	0	0.0	4	0.5	0	0.0	807	100.0
St. George Private	1114	63.7	209	11.9	320	18.3	101	5.8	3	0.2	3	0.2	0	0.0	1750	100.0
Prince of Wales Private	1968	72.9	304	11.3	323	12.0	100	3.7	5	0.2	1	0.0	0	0.0	2701	100.0
Norwest Private	1807	89.3	26	1.3	122	6.0	61	3.0	1	0.0	6	0.3	0	0.0	2023	100.0
Sydney Southwest Private	812	81.2	90	9.0	76	7.6	17	1.7	2	0.2	3	0.3	0	0.0	1000	100.0
Nepean Private	637	72.1	82	9.3	143	16.2	20	2.3	2	0.2	0	0.0	0	0.0	884	100.0
Westmead Private	1973	88.1	113	5.0	64	2.9	86	3.8	1	0.0	2	0.1	0	0.0	2239	100.0
Figtree Private	144	14.2	801	79.2	44	4.4	21	2.1	0	0.0	1	0.1	0	0.0	1011	100.0
Newcastle Private	1863	88.0	82	3.9	46	2.2	120	5.7	2	0.1	3	0.1	1	0.0	2117	100.0
Calvary, Wagga Wagga	454	84.7	15	2.8	23	4.3	44	8.2	0	0.0	0	0.0	0	0.0	536	100.0
Other hospitals	152	71.4	10	4.7	41	19.2	9	4.2	1	0.5	0	0.0	0	0.0	213	100.0
	4															
TOTAL	18803	78.1	2385	9.9	1919	8.0	899	3.7	23	0.1	37	0.2	3	0.0	24069	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

IPPR: intermittent positive pressure respiration.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

#### Admission to special care or neonatal intensive care

Tables 51 shows admissions of live born babies to special care or neonatal intensive care for local health districts, and Table 52 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

TABLE 51: LIVE BIRTHS BY ADMISSION TO SPECIAL CARE OR NEONATAL INTENSIVE CARE AND LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

				Admission to spe	cial care or NICU			
Local Health District	No		Υε	es	Not s	tated	тот	AL.
	No.	%	No.	%	No.	%	No.	%
Sydney	6212	87.3	902	12.7	0	0.0	7114	100.0
South Western Sydney	9665	88.7	1234	11.3	0	0.0	10899	100.0
South Eastern Sydney	6615	81.4	1509	18.6	1	0.0	8125	100.0
Illawarra Shoalhaven	2620	79.3	682	20.7	0	0.0	3302	100.0
Western Sydney	7773	78.6	2119	21.4	0	0.0	9892	100.0
Nepean Blue Mountains	3929	80.7	941	19.3	1	0.0	4871	100.0
Northern Sydney	4559	84.4	845	15.6	0	0.0	5404	100.0
Central Coast	2104	78.5	577	21.5	0	0.0	2681	100.0
Hunter New England	7742	82.3	1669	17.7	0	0.0	9411	100.0
Northern NSW	2973	80.9	700	19.1	0	0.0	3673	100.0
Mid North Coast	1822	83.0	372	17.0	0	0.0	2194	100.0
Southern NSW	1377	92.2	114	7.6	2	0.1	1493	100.0
Murrumbidgee	1460	77.8	417	22.2	0	0.0	1877	100.0
Western NSW	2922	81.6	660	18.4	0	0.0	3582	100.0
Far West	224	88.5	29	11.5	0	0.0	253	100.0
Private Hospitals	21830	91.0	2155	9.0	6	0.0	23991	100.0
TOTAL NSW*	83939	84.9	14926	15.1	10	0.0	98875	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

TABLE 52: LIVE BIRTHS BY ADMISSION TO SPECIAL CARE OR NEONATAL INTENSIVE CARE, HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012\*

			Adn	nission to speci	ial care or NICU			
Maternity service level-hospital	No		Yes	T	Not stated		TOTAL	
ievei-iiospitai	No.	%	No.	%	No.	%	No.	%
Level 6								
Royal Prince Alfred	4733	87.4	682	12.6	0	0.0	5415	100.0
Royal North Shore	2207	86.3	351	13.7	0	0.0	2558	100.0
Royal Hospital for Women	3396	81.5	769	18.5	0	0.0	4165	100.0
Liverpool	2716	83.3	543	16.7	0	0.0	3259	100.0
Nepean	2951	79.7	749	20.2	1	0.0	3701	100.0
Westmead	4122	77.0	1228	23.0	0	0.0	5350	100.0
John Hunter	3291	80.5	797	19.5	0	0.0	4088	100.0
TOTAL	23416	82.1	5119	17.9	1	0.0	28536	100.0
Level 5								
Gosford	1935	77.2	570	22.8	0	0.0	2505	100.0
St. George	2126	79.6	543	20.3	1	0.0	2670	100.0
Blacktown	2447	78.9	655	21.1	0	0.0	3102	100.0
Coffs Harbour	826	77.6	239	22.4	0	0.0	1065	100.0
Lismore Base	998	80.7	238	19.3	0	0.0	1236	100.0
Tweed Heads	1221	77.2	360	22.8	0	0.0	1581	100.0
Port Macquarie Base	701	87.0	105	13.0	0	0.0	806	100.0
Dubbo Base	944	75.5	306	24.5	0	0.0	1250	100.0
Wollongong	1746	75.2	577	24.8	0	0.0	2323	100.0
Maitland	1378	82.6	291	17.4	0	0.0	1669	100.0
Wagga Wagga Base	523	71.2	212	28.8	0	0.0	735	100.0
TOTAL	14845	78.4	4096	21.6	1	0.0	18942	100.0
Level 4								
Canterbury	1479	87.1	220	12.9	0	0.0	1699	100.0
Hornsby	1085	84.3	202	15.7	0	0.0	1287	100.0
Manly	978	77.6	283	22.4	0	0.0	1261	100.0
Sutherland	1093	84.7	197	15.3	0	0.0	1290	100.0
Auburn	1204	83.6	236	16.4	0	0.0	1440	100.0
Fairfield	1804	90.2	195	9.8	0	0.0	1999	100.0
Campbelltown	2737	93.9	177	6.1	0	0.0	2914	100.0

NICU: neonatal intensive care unit.

\* Total NSW includes births at home assisted by independent midwives.

TABLE 52: (Continued)

			Adn	nission to special c	are or NICU			
Maternity service level-hospital	No		Yes		Not stated		TOTAL	
ievei-nospitai -	No.	%	No.	%	No.	%	No.	%
Bankstown-Lidcombe	1973	87.0	296	13.0	0	0.0	2269	100.0
Hawkesbury	600	77.3	176	22.7	0	0.0	776	100.0
Grafton Base	364	80.9	86	19.1	0	0.0	450	100.0
Tamworth Base	631	70.0	271	30.0	0	0.0	902	100.0
Manning Base	589	77.2	174	22.8	0	0.0	763	100.0
Orange Base	780	80.0	195	20.0	0	0.0	975	100.0
Goulburn Base	265	80.8	63	19.2	0	0.0	328	100.0
Griffith Base	323	62.6	193	37.4	0	0.0	516	100.0
TOTAL	15905	84.3	2964	15.7	0	0.0	18869	100.0
Level 3					<u> </u>			
Blue Mountains	201	93.1	15	6.9	0	0.0	216	100.0
Kempsey	237	90.5	25	9.5	0	0.0	262	100.0
Armidale	409	87.8	57	12.2	0	0.0	466	100.0
Inverell	245	92.8	19	7.2	0	0.0	264	100.0
Moree	189	88.3	25	11.7	0	0.0	214	100.0
Mudgee	250	97.7	6	2.3	0	0.0	256	100.0
Bathurst Base	455	80.7	109	19.3	0	0.0	564	100.0
	217	93.9	14	6.1	0	0.0	231	100.0
Bega								
Moruya	320	95.5	15	4.5	0	0.0	335	100.0
Queanbeyan	413	96.7	12	2.8	2	0.5	427	100.0
Bowral	435	95.0	23	5.0	0	0.0	458	100.0
Shoalhaven	756	88.0	103	12.0	0	0.0	859	100.0
Muswellbrook	195	95.6	9	4.4	0	0.0	204	100.0
Broken Hill Base	224	88.5	29	11.5	0	0.0	253	100.0
Other hospitals	2203	96.1	89	3.9	0	0.0	2292	100.0
TOTAL	6749	92.4	550	7.5	2	0.0	7301	100.0
Level 2								
TOTAL	1046	96.6	37	3.4	0	0.0	1083	100.0
Private								
Mater, North Sydney	2180	89.4	256	10.5	2	0.1	2438	100.0
North Shore Private	2451	99.4	16	0.6	0	0.0	2467	100.0
Sydney Adventist	1821	86.0	297	14.0	0	0.0	2118	100.0
North Gosford Private	694	86.5	106	13.2	2	0.2	802	100.0
Hurstville Community	819	87.2	120	12.8	0	0.0	939	100.0
Kareena Private	800	99.3	6	0.7	0	0.0	806	100.0
St. George Private	1736	99.9	1	0.1	0	0.0	1737	100.0
Prince of Wales Private	2410	89.4	286	10.6	1	0.0	2697	100.0
Norwest Private	1781	88.2	238	11.8	0	0.0	2019	100.0
Sydney Southwest Private	805	80.7	192	19.2	1	0.1	998	100.0
Nepean Private	656	74.7	222	25.3	0	0.0	878	100.0
Westmead Private	2229	99.9	3	0.1	0	0.0	2232	100.0
Figtree Private	1007	99.9	1	0.1	0	0.0	1008	100.0
Newcastle Private	1806	85.5	306	14.5	0	0.0	2112	100.0
Calvary, Wagga Wagga	432	80.6	104	19.4	0	0.0	536	100.0
Other hospitals	212	99.5	1	0.5	0	0.0	213	100.0
TOTAL	21839	91.0	2155	9.0	6	0.0	24000	100.0
TOTAL NSW*	83939	84.9	14926	15.1	10	0.0	98875	100.0
	llection (SAPHaRI). Centre for Ep				10	0.0	30073	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

NICU: neonatal intensive care unit.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

#### Infant feeding

Table 53 shows infant feeding at discharge from the hospital of birth for local health districts, and Table 54 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

TABLE 53: LIVE BIRTHS BY TYPE OF INFANT FEEDING AND LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

					Infant fe	eding				
Local Health District	Full breast-fee	eding	Any breast-fe	eding	Infant form	ula only	Not st	ated	TOTA	.L
	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	6634	93.3	92	1.3	349	4.9	39	0.5	7114	100.0
South Western Sydney	8847	81.2	112	1.0	1873	17.2	67	0.6	10899	100.0
South Eastern Sydney	6757	83.2	879	10.8	414	5.1	75	0.9	8125	100.0
Illawarra Shoalhaven	2604	78.9	114	3.5	551	16.7	33	1.0	3302	100.0
Western Sydney	7714	78.0	1130	11.4	841	8.5	207	2.1	9892	100.0
Nepean Blue Mountains	3561	73.1	365	7.5	911	18.7	34	0.7	4871	100.0
Northern Sydney	4768	88.2	430	8.0	176	3.3	30	0.6	5404	100.0
Central Coast	2172	81.0	125	4.7	356	13.3	28	1.0	2681	100.0
Hunter New England	7513	79.8	416	4.4	1393	14.8	89	0.9	9411	100.0
Northern NSW	3300	89.8	88	2.4	252	6.9	33	0.9	3673	100.0
Mid North Coast	1887	86.0	79	3.6	206	9.4	22	1.0	2194	100.0
Southern NSW	1274	85.3	47	3.1	152	10.2	20	1.3	1493	100.0
Murrumbidgee	1411	75.2	68	3.6	371	19.8	27	1.4	1877	100.0
Western NSW	2825	78.9	130	3.6	570	15.9	57	1.6	3582	100.0
Far West	175	69.2	16	6.3	57	22.5	5	2.0	253	100.0
Private Hospitals	19610	81.7	2617	10.9	1690	7.0	74	0.3	23991	100.0
TOTAL NSW*	81154	82.1	6709	6.8	10163	10.3	849	0.9	98875	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

\* Total NSW includes births at home assisted by independent midwives.

TABLE 54: LIVE BIRTHS BY TYPE OF INFANT FEEDING, HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012\*

					Infant feedi	ng				
Maternity service level-hospital	Full breast-fee	eding	Any breast-fee	ding	Infant formula	only	Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6										
Royal Prince Alfred	5064	93.5	83	1.5	239	4.4	29	0.5	5415	100.0
Royal North Shore	2221	86.8	239	9.3	86	3.4	12	0.5	2558	100.0
Royal Hospital for Women	3485	83.7	470	11.3	165	4.0	45	1.1	4165	100.0
Liverpool	2559	78.5	99	3.0	564	17.3	37	1.1	3259	100.0
Nepean	2635	71.2	321	8.7	715	19.3	30	0.8	3701	100.0
Westmead	4144	77.5	666	12.4	378	7.1	162	3.0	5350	100.0
John Hunter	3242	79.3	174	4.3	648	15.9	24	0.6	4088	100.0
TOTAL	23350	81.8	2052	7.2	2795	9.8	339	1.2	28536	100.0
Level 5										
Gosford	2012	80.3	125	5.0	340	13.6	28	1.1	2505	100.0
St. George	2109	79.0	363	13.6	178	6.7	20	0.7	2670	100.0
Blacktown	2423	78.1	263	8.5	375	12.1	41	1.3	3102	100.0
Coffs Harbour	926	86.9	49	4.6	74	6.9	16	1.5	1065	100.0
Lismore Base	1114	90.1	40	3.2	73	5.9	9	0.7	1236	100.0
Tweed Heads	1434	90.7	33	2.1	94	5.9	20	1.3	1581	100.0
Port Macquarie Base	678	84.1	25	3.1	99	12.3	4	0.5	806	100.0
Dubbo Base	906	72.5	46	3.7	278	22.2	20	1.6	1250	100.0
Wollongong	1774	76.4	83	3.6	449	19.3	17	0.7	2323	100.0
Maitland	1279	76.6	95	5.7	282	16.9	13	0.8	1669	100.0
Wagga Wagga Base	540	73.5	30	4.1	150	20.4	15	2.0	735	100.0
TOTAL	15195	80.2	1152	6.1	2392	12.6	203	1.1	18942	100.0
Level 4										
Canterbury	1570	92.4	9	0.5	110	6.5	10	0.6	1699	100.0
Hornsby	1129	87.7	116	9.0	38	3.0	4	0.3	1287	100.0
Manly	1139	90.3	65	5.2	48	3.8	9	0.7	1261	100.0
Sutherland	1163	90.2	46	3.6	71	5.5	10	0.8	1290	100.0
Auburn	1147	79.7	201	14.0	88	6.1	4	0.3	1440	100.0
Fairfield	1664	83.2	5	0.3	320	16.0	10	0.5	1999	100.0
Campbelltown	2261	77.6	7	0.2	636	21.8	10	0.3	2914	100.0
Bankstown-Lidcombe	1961	86.4	1	0.0	298	13.1	9	0.4	2269	100.0
Hawkesbury	600	77.3	31	4.0	142	18.3	3	0.4	776	100.0
Grafton Base	366	81.3	11	2.4	70	15.6	3	0.7	450	100.0

TABLE 54: (Continued)

				Infant feedi	ng				
Full breast-fee	ding	Any breast-fee	ding	Infant formula	only	Not stated		TOTAL	
No.	%	No.	%	No.	%	No.	%	No.	%
690	76.5	51	5.7	151	16.7	10	1.1	902	100.0
621	81.4	34	4.5	89	11.7	19	2.5	763	100.0
813	83.4	45	4.6	105	10.8	12	1.2	975	100.0
263	80.2	7	2.1	55	16.8	3	0.9	328	100.0
378	73.3	23	4.5	103	20.0	12	2.3	516	100.0
15765	83.5	652	3.5	2324	12.3	128	0.7	18869	100.0
192	88.9	6	2.8	18	8.3	0	0.0	216	100.0
227	86.6	3	1.1	30	11.5	2	0.8	262	100.0
403	86.5	20	4.3	41	8.8	2	0.4	466	100.0
206	78.0	13	4.9	40	15.2	5	1.9	264	100.0
167	78.0	9	4.2	33	15.4	5	2.3	214	100.0
216	84.4	4	1.6	32	12.5	4	1.6	256	100.0
469	83.2	13	2.3	75	13.3	7	1.2	564	100.0
191	82.7	15	6.5	24	10.4	1	0.4	231	100.0
						10			100.0
									100.0
						1			100.0
						•			100.0
									100.0
									100.0
									100.0
									100.0
0030	05.5	220	3.1	033	12.2	- 02	***	7301	100.0
1010	93.3	6	0.6	59	5.4	8	0.7	1083	100.0
1010	33.3		0.0		5.4		0.7	1005	100.0
									100.0
									100.0
2058	97.2	0					0.1	2118	100.0
690	86.0	63	7.9	47	5.9		0.2	802	100.0
650	69.2	207	22.0	80	8.5		0.2	939	100.0
663	82.3	61	7.6	74	9.2	8	1.0	806	100.0
1234	71.0	359	20.7	136	7.8	8	0.5	1737	100.0
2343	86.9	268	9.9	83	3.1	3	0.1	2697	100.0
1634	80.9	197	9.8	185	9.2	3	0.1	2019	100.0
766	76.8	102	10.2	127	12.7	3	0.3	998	100.0
675	76.9	93	10.6	108	12.3	2	0.2	878	100.0
1570	70.3	455	20.4	200	9.0	7	0.3	2232	100.0
768	76.2	69	6.8	170	16.9	1	0.1	1008	100.0
1937	91.7	0	0.0	157	7.4	18	0.9	2112	100.0
476	88.8	1	0.2	59	11.0	0	0.0	536	100.0
180	84.5	15	7.0	17	8.0	1	0.5	213	100.0
19617	81.7	2618	10.9	1691	7.0	74	0.3	24000	100.0
	No. 690 621 813 263 378 15765  192 227 403 206 167 216 469 191 285 392 402 720 180 175 1873 6098  1010  2028 1945 2058 690 650 663 1234 2343 1634 766 675 1570 768 1937 476 180	690 76.5 621 81.4 813 83.4 263 80.2 378 73.3 15765 83.5  192 88.9 227 86.6 403 86.5 206 78.0 167 78.0 216 84.4 469 83.2 191 82.7 285 85.1 392 91.8 402 87.8 720 83.8 180 88.2 175 69.2 1873 81.7 6098 83.5  1010 93.3  2028 83.2 1945 78.8 2058 97.2 690 86.0 650 69.2 663 82.3 1234 71.0 2343 86.9 1634 80.9 766 76.8 675 76.9 1570 70.3 768 76.2 1937 91.7 476 88.8 180 84.5	No.         %         No.           690         76.5         51           621         81.4         34           813         83.4         45           263         80.2         7           378         73.3         23           15765         83.5         652           192         88.9         6           227         86.6         3           403         86.5         20           206         78.0         13           167         78.0         9           216         84.4         4           469         83.2         13           191         82.7         15           285         85.1         5           392         91.8         12           402         87.8         0           720         83.8         31           180         88.2         5           175         69.2         16           1873         81.7         76           6098         83.5         228           1010         93.3         6           2028         83.2         32 <td>No.         %         No.         %           690         76.5         51         5.7           621         81.4         34         4.5           813         83.4         45         4.6           263         80.2         7         2.1           378         73.3         23         4.5           15765         83.5         652         3.5           192         88.9         6         2.8           227         86.6         3         1.1           403         86.5         20         4.3           206         78.0         13         4.9           167         78.0         9         4.2           216         84.4         4         1.6           469         83.2         13         2.3           191         82.7         15         6.5           285         85.1         5         1.5           392         91.8         12         2.8           402         87.8         0         0.0           720         83.8         31         3.6           180         88.2         5         2.5</td> <td>No.         %         No.         %         No.           690         76.5         51         5.7         151           621         81.4         34         4.5         89           813         83.4         45         4.6         105           263         80.2         7         2.1         55           378         73.3         23         4.5         103           15765         83.5         652         3.5         2324           192         88.9         6         2.8         18           227         86.6         3         1.1         30           403         86.5         20         4.3         41           206         78.0         13         4.9         40           167         78.0         9         4.2         33           216         84.4         4         1.6         32           469         83.2         13         2.3         75           191         82.7         15         6.5         24           469         83.2         13         2.3         75           191         82.7         15</td> <td>No.         %         No.         %           690         76.5         51         5.7         151         16.7           621         81.4         34         4.5         89         11.7           813         83.4         45         4.6         105         10.8           263         80.2         7         2.1         55         16.8           378         73.3         23         4.5         103         20.0           15765         83.5         652         3.5         2324         12.3           192         88.9         6         2.8         18         8.3           227         86.6         3         1.1         30         11.5           403         86.5         20         4.3         41         8.8           206         78.0         13         4.9         40         15.2           167         78.0         9         4.2         33         15.4           216         84.4         4         1.6         32         12.5           469         83.2         13         2.3         75         13.3           191         82.7</td> <td>  No.   No.</td> <td>  No.   No.</td> <td>  No.   No.</td>	No.         %         No.         %           690         76.5         51         5.7           621         81.4         34         4.5           813         83.4         45         4.6           263         80.2         7         2.1           378         73.3         23         4.5           15765         83.5         652         3.5           192         88.9         6         2.8           227         86.6         3         1.1           403         86.5         20         4.3           206         78.0         13         4.9           167         78.0         9         4.2           216         84.4         4         1.6           469         83.2         13         2.3           191         82.7         15         6.5           285         85.1         5         1.5           392         91.8         12         2.8           402         87.8         0         0.0           720         83.8         31         3.6           180         88.2         5         2.5	No.         %         No.         %         No.           690         76.5         51         5.7         151           621         81.4         34         4.5         89           813         83.4         45         4.6         105           263         80.2         7         2.1         55           378         73.3         23         4.5         103           15765         83.5         652         3.5         2324           192         88.9         6         2.8         18           227         86.6         3         1.1         30           403         86.5         20         4.3         41           206         78.0         13         4.9         40           167         78.0         9         4.2         33           216         84.4         4         1.6         32           469         83.2         13         2.3         75           191         82.7         15         6.5         24           469         83.2         13         2.3         75           191         82.7         15	No.         %         No.         %           690         76.5         51         5.7         151         16.7           621         81.4         34         4.5         89         11.7           813         83.4         45         4.6         105         10.8           263         80.2         7         2.1         55         16.8           378         73.3         23         4.5         103         20.0           15765         83.5         652         3.5         2324         12.3           192         88.9         6         2.8         18         8.3           227         86.6         3         1.1         30         11.5           403         86.5         20         4.3         41         8.8           206         78.0         13         4.9         40         15.2           167         78.0         9         4.2         33         15.4           216         84.4         4         1.6         32         12.5           469         83.2         13         2.3         75         13.3           191         82.7	No.   No.	No.   No.	No.   No.

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

#### Baby discharge status

Table 55 shows the discharge status of babies for local health districts, and Table 56 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2012.

TABLE 55: BABY DISCHARGE STATUS BY HOSPITAL AND LOCAL HEALTH DISTRICT OF HOSPITAL, NSW 2012

							Baby dischar	ge status						
Local Health District	Dischar	ged	Transfer	red	Stillbo	rn	Died	ı t	Transferred	and died	Not sta	ted	TOTA	.L
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	6945	96.8	151	2.1	58	0.8	18	0.3	0	0.0	0	0.0	7172	100.0
South Western Sydney	10541	96.1	319	2.9	75	0.7	37	0.3	2	0.0	0	0.0	10974	100.0
South Eastern Sydney	7909	96.4	178	2.2	62	0.8	36	0.4	2	0.0	14	0.2	8201	100.0
Illawarra Shoalhaven	3234	97.2	64	1.9	24	0.7	4	0.1	0	0.0	0	0.0	3326	100.0
Western Sydney	9487	95.2	374	3.8	73	0.7	31	0.3	0	0.0	1	0.0	9966	100.0
Nepean Blue Mountains	4675	95.2	179	3.6	38	0.8	17	0.3	0	0.0	1	0.0	4910	100.0
Northern Sydney	5228	96.4	165	3.0	20	0.4	11	0.2	0	0.0	0	0.0	5424	100.0
Central Coast	2632	97.5	43	1.6	19	0.7	6	0.2	0	0.0	0	0.0	2700	100.0
Hunter New England	8739	92.2	645	6.8	70	0.7	27	0.3	0	0.0	0	0.0	9481	100.0
Northern NSW	3476	93.9	189	5.1	22	0.6	8	0.2	0	0.0	5	0.1	3700	100.0
Mid North Coast	2080	94.2	114	5.2	14	0.6	0	0.0	0	0.0	0	0.0	2208	100.0
Southern NSW	1446	96.1	46	3.1	11	0.7	1	0.1	0	0.0	1	0.1	1505	100.0
Murrumbidgee	1749	92.7	124	6.6	9	0.5	4	0.2	0	0.0	0	0.0	1886	100.0
Western NSW	3207	88.5	371	10.2	33	0.9	4	0.1	0	0.0	10	0.3	3625	100.0
Far West	248	96.1	4	1.6	3	1.2	1	0.4	0	0.0	2	0.8	258	100.0
Private Hospitals	23792	98.9	182	0.8	69	0.3	15	0.1	2	0.0	0	0.0	24060	100.0
TOTAL NSW*	95499	96.0	3149	3.2	600	0.6	221	0.2	6	0.0	35	0.0	99510	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

\* Total NSW includes births at home assisted by independent midwives.

TABLE 56: BABY DISCHARGE STATUS BY HOSPITAL AND MATERNITY SERVICE LEVEL, NSW 2012\*

						Е	aby discharg	e status						
Maternity service level-hospital	Dischar	ged	Transfer	red	Stillbor	n	Died		Transferred a	nd died	Not stat	ed	ТОТА	.L
iever nospitai	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6														
Royal Prince Alfred	5278	96.6	122	2.2	47	0.9	15	0.3	0	0.0	0	0.0	5462	100.0
Royal North Shore	2418	94.0	130	5.1	13	0.5	10	0.4	0	0.0	0	0.0	2571	100.0
Royal Hospital for Women	4011	95.4	125	3.0	39	0.9	29	0.7	0	0.0	2	0.0	4206	100.0
Liverpool	3015	91.5	218	6.6	37	1.1	24	0.7	2	0.1	0	0.0	3296	100.0
Nepean	3522	94.3	162	4.3	34	0.9	17	0.5	0	0.0	0	0.0	3735	100.0
Westmead	5005	92.7	322	6.0	49	0.9	23	0.4	0	0.0	1	0.0	5400	100.0
John Hunter	3831	92.7	238	5.8	43	1.0	19	0.5	0	0.0	0	0.0	4131	100.0
TOTAL	27080	94.0	1317	4.6	262	0.9	137	0.5	2	0.0	3	0.0	28801	100.0
Level 5														
Gosford	2466	97.7	33	1.3	19	0.8	6	0.2	0	0.0	0	0.0	2524	100.0
St. George	2626	97.5	35	1.3	15	0.6	7	0.3	2	0.1	9	0.3	2694	100.0
Blacktown	3054	97.9	40	1.3	16	0.5	8	0.3	0	0.0	0	0.0	3118	100.0
Coffs Harbour	994	92.6	71	6.6	8	0.7	0	0.0	0	0.0	0	0.0	1073	100.0
Lismore Base	1214	97.1	20	1.6	9	0.7	2	0.2	0	0.0	5	0.4	1250	100.0
Tweed Heads	1426	89.6	150	9.4	10	0.6	5	0.3	0	0.0	0	0.0	1591	100.0
Port Macquarie Base	779	95.9	27	3.3	6	0.7	0	0.0	0	0.0	0	0.0	812	100.0
Dubbo Base	1001	79.4	247	19.6	11	0.9	2	0.2	0	0.0	0	0.0	1261	100.0
Wollongong	2282	97.4	39	1.7	20	0.9	2	0.1	0	0.0	0	0.0	2343	100.0
Maitland	1444	86.1	224	13.4	8	0.5	1	0.1	0	0.0	0	0.0	1677	100.0
Wagga Wagga Base	653	88.5	79	10.7	3	0.4	3	0.4	0	0.0	0	0.0	738	100.0
TOTAL	17939	94.0	965	5.1	125	0.7	36	0.2	2	0.0	14	0.1	19081	100.0
Level 4														
Canterbury	1667	97.5	29	1.7	11	0.6	3	0.2	0	0.0	0	0.0	1710	100.0
Hornsby	1275	98.8	12	0.9	3	0.2	0	0.0	0	0.0	0	0.0	1290	100.0
Manly	1249	98.7	11	0.9	4	0.3	1	0.1	0	0.0	0	0.0	1265	100.0
Sutherland	1272	97.8	18	1.4	8	0.6	0	0.0	0	0.0	3	0.2	1301	100.0
Auburn	1428	98.6	12	0.8	8	0.6	0	0.0	0	0.0	0	0.0	1448	100.0
Fairfield	1975	98.4	24	1.2	9	0.4	0	0.0	0	0.0	0	0.0	2008	100.0
Campbelltown	2855	97.5	50	1.7	15	0.5	9	0.3	0	0.0	0	0.0	2929	100.0
Bankstown-Lidcombe	2244	98.4	21	0.9	12	0.5	4	0.2	0	0.0	0	0.0	2281	100.0
Hawkesbury	770	99.0	6	0.8	2	0.3	0	0.0	0	0.0	0	0.0	778	100.0
Grafton Base	443	97.8	6	1.3	3	0.7	1	0.2	0	0.0	0	0.0	453	100.0

TABLE 56: (Continued)

							Baby discharg	je status						
Maternity service level-hospital	Dischar	ged	Transferr	ed	Stillbor	n	Died		Transferred a	nd died	Not state	ed	ТОТА	\L
ievei-iiospitai	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Tamworth Base	824	90.7	77	8.5	6	0.7	1	0.1	0	0.0	0	0.0	908	100.0
Manning Base	734	95.6	24	3.1	5	0.7	5	0.7	0	0.0	0	0.0	768	100.0
Orange Base	912	91.8	62	6.2	13	1.3	1	0.1	0	0.0	5	0.5	993	100.0
Goulburn Base	320	96.1	8	2.4	5	1.5	0	0.0	0	0.0	0	0.0	333	100.0
Griffith Base	486	93.1	29	5.6	6	1.1	1	0.2	0	0.0	0	0.0	522	100.0
TOTAL	18454	97.2	389	2.0	110	0.6	26	0.1	0	0.0	8	0.0	18987	100.0
Level 3														
Blue Mountains	211	96.3	5	2.3	2	0.9	0	0.0	0	0.0	1	0.5	219	100.0
Kempsey	252	96.2	10	3.8	0	0.0	0	0.0	0	0.0	0	0.0	262	100.0
Armidale	452	95.8	14	3.0	6	1.3	0	0.0	0	0.0	0	0.0	472	100.0
Inverell	256	96.2	8	3.0	2	0.8	0	0.0	0	0.0	0	0.0	266	100.0
Moree	206	96.3	8	3.7	0	0.0	0	0.0	0	0.0	0	0.0	214	100.0
Mudgee	253	96.9	2	0.8	1	0.4	1	0.4	0	0.0	4	1.5	261	100.0
Bathurst Base	550	96.7	14	2.5	5	0.9	0	0.0	0	0.0	0	0.0	569	100.0
Bega	229	98.3	2	0.9	1	0.4	0	0.0	0	0.0	1	0.4	233	100.0
Moruya	317	94.3	17	5.1	1	0.3	1	0.3	0	0.0	0	0.0	336	100.0
Queanbeyan	413	96.3	14	3.3	2	0.5	0	0.0	0	0.0	0	0.0	429	100.0
Bowral	452	98.3	6	1.3	2	0.4	0	0.0	0	0.0	0	0.0	460	100.0
Shoalhaven	836	97.0	21	2.4	3	0.3	2	0.2	0	0.0	0	0.0	862	100.0
Muswellbrook	187	91.7	17	8.3	0	0.0	0	0.0	0	0.0	0	0.0	204	100.0
Broken Hill Base	248	96.1	4	1.6	3	1.2	1	0.4	0	0.0	2	0.8	258	100.0
Other hospitals	2219	96.6	73	3.2	5	0.2	0	0.0	0	0.0	1	0.0	2298	100.0
TOTAL	7081	96.4	215	2.9	33	0.4	5	0.1	0	0.0	9	0.1	7343	100.0
Level 2	7551	30								0.0		<b>VII</b>	75.5	
TOTAL	1024	94.5	58	5.4	1	0.1	1	0.1	0	0.0	0	0.0	1084	100.0
Private														
Mater, North Sydney	2417	98.9	19	0.8	7	0.3	2	0.1	0	0.0	0	0.0	2445	100.0
North Shore Private	2446	98.9	19	0.8	7	0.3	2	0.1	0	0.0	0	0.0	2474	100.0
Sydney Adventist	2109	99.3	7	0.3	5	0.2	2	0.1	0	0.0	0	0.0	2123	100.0
North Gosford Private	798	99.0	3	0.4	4	0.5	1	0.1	0	0.0	0	0.0	806	100.0
Hurstville Community	933	99.3	6	0.6	1	0.1	0	0.0	0	0.0	0	0.0	940	100.0
Kareena Private	796	98.6	10	1.2	1	0.1	0	0.0	0	0.0	0	0.0	807	100.0
St. George Private	1722	98.4	13	0.7	13	0.1	1	0.0	1	0.0	0	0.0	1750	100.0
Prince of Wales Private	2679	99.2	18	0.7	4	0.7	0	0.0	0	0.0	0	0.0	2701	100.0
Norwest Private	1998	98.8	17	0.7	4	0.1	4	0.0	0	0.0	0	0.0	2023	100.0
Sydney Southwest									0					
Private	989	98.9	8	0.8	2	0.2	0	0.0	1	0.1	0	0.0	1000	100.0
Nepean Private	866	98.0	11	1.2	6	0.7	1	0.1	0	0.0	0	0.0	884	100.0
Westmead Private	2222	99.2	8	0.4	7	0.3	2	0.1	0	0.0	0	0.0	2239	100.0
Figtree Private	997	98.6	11	1.1	3	0.3	0	0.0	0	0.0	0	0.0	1011	100.0
Newcastle Private	2090	98.7	22	1.0	5	0.2	0	0.0	0	0.0	0	0.0	2117	100.0
Calvary, Wagga Wagga	533	99.4	3	0.6	0	0.0	0	0.0	0	0.0	0	0.0	536	100.0
Other hospitals	208	97.7	5	2.3	0	0.0	0	0.0	0	0.0	0	0.0	213	100.0
TOTAL	23803	98.9	180	0.7	69	0.3	15	0.1	2	0.0	0	0.0	24069	100.0
TOTAL NSW*	95499	96.0	3149	3.2	600	0.6	221	0.2	6	0.0	35	0.0	99510	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually. Maternity service levels are described on page 82 in Appendix 2: Explanatory notes.

\* Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

### Postnatal length of stay

Table 57 shows the mother's postnatal length of stay in the hospital of birth for hospitals where at least 200 mothers gave birth in 2012.

TABLE 57: AVERAGE MATERNAL POSTNATAL LENGTH OF STAY IN HOSPITAL OF BIRTH,

	Av				
Local Health District–Hospital	2008	2009	2010	2011	2012
Sydney					
Canterbury	2.9	2.8	2.9	2.7	2.8
Royal Prince Alfred	3.5	3.3	3.3	3.3	3.2
TOTAL	3.4	3.2	3.2	3.2	3.1
South Western Sydney					
Fairfield	2.5	2.5	2.2	2.3	2.3
Liverpool	2.9	2.9	2.8	2.8	2.9
Campbelltown	2.7	2.5	2.5	2.4	2.3
Bankstown–Lidcombe	2.6	2.5	2.5	2.4	2.4
Bowral	2.7	2.8	2.6	2.7	2.7
Other hospitals	7.0	0.0	0	0	2.,
TOTAL	2.7	2.6	2.5	2.5	2.5
South Eastern Sydney	2.7	2.0	2.3	2.3	
St. George	3.1	2.6	2.9	2.8	2.8
Sutherland	2.8	2.7	2.8	2.6	2.7
Royal Hospital for Women	3.8	3.6	3.3	3.3	3.1
TOTAL	3.4	3.0 3.2	3.1	3.0	2.9
Illawarra Shoalhaven	3.4	٥.٤	J.,	3.0	2
Shoalhaven	2.6	2.5	2.5	2.7	2.6
Wollongong	2.8	2.6	2.6	2.7	2.5
Other hospitals	2.7	3.0	2.3	2.3	2.3
TOTAL	2.8	2.6	2.6	2.6	2.5
Western Sydney					
Auburn	2.0	2.0	1.9	1.8	1.8
Blacktown	2.8	2.7	2.7	2.6	2.4
Westmead	2.6	2.4	2.2	2.3	2.2
TOTAL	2.6	2.4	2.4	2.3	2.2
Nepean Blue Mountains					
Blue Mountains	3.4	3.4	3.2	2.7	2.6
Nepean	2.6	2.4	2.4	2.2	2.0
Hawkesbury	3.2	3.1	3.2	3.0	3.1
Other hospitals	2.9	3.2	3.0	3.4	2.7
TOTAL	2.7	2.6	2.6	2.4	2.2
Northern Sydney					
Hornsby	2.5	2.4	2.3	2.3	2.2
Manly	3.0	2.4	2.5	2.3	2.3
Royal North Shore	3.0	2.7	2.8	2.7	2.7
Other hospitals	2.4	1.9	0.3	0.1	1.4
TOTAL	2.7	2.6	2.5	2.5	2.4
Central Coast	2.,	2.0			2.5
Gosford	2.2	2.2	2.2	2.1	2.1
Other hospitals	1.3	1.1	0.5	0.1	0.9
TOTAL	2.2	2.1	2.1	2.0	2.1
Hunter New England					
Armidale	3.3	3.0	3.1	3.2	3.0
Inverell	3.3	3.1	3.0		
				3.1	2.9
Moree Tamworth Base	3.3	3.0	2.9	3.0	2.9
	3.1	3.0	2.7	2.9	2.7
Manning Base	3.0	3.0	2.9	2.9	3.0
Maitland	2.4	2.5	2.3	2.4	2.4
Muswellbrook	2.7	2.3	2.4	2.4	2.3
John Hunter	2.9	2.8	2.7	2.7	2.6
Other hospitals	2.4	2.4	2.4	2.4	2.4
TOTAL	2.8	2.8	2.6	2.7	2.6

Local Health District-Hospital	Average postnatal length of stay (days)								
Northern NSW	2008	2009	2010	2011	2012				
Grafton Base	3.5	3.5	3.3	3.2	3.4				
Lismore Base	3.1	3.2	3.0	3.0	2.8				
Tweed Heads	2.7	2.6	2.5	2.3	2.4				
Other hospitals	3.0	2.7	2.7	2.2	2.1				
TOTAL	3.0	2.9	2.8	2.6	2.6				
Mid North Coast									
Coffs Harbour	3.7	3.6	3.2	3.2	3.1				
Kempsey	2.9	2.7	2.9	2.8	3.0				
Port Macquarie Base	3.2	3.3	3.2	3.6	3.5				
Other hospitals	2.3	2.4	2.4	2.6	2.8				
TOTAL	3.4	3.4	3.2	3.2	3.2				
Southern NSW									
Bega	2.3	2.1	2.4	2.3	2.4				
Goulburn Base	3.3	3.3	3.3	3.3	3.0				
Moruya	2.6	2.7	2.4	2.5	2.4				
Queanbeyan	3.3	3.7	3.2	2.7	2.8				
Other hospitals	3.6	3.3	3.7	3.4	3.3				
TOTAL	3.0	3.0	2.9	2.8	2.7				
Murrumbidgee									
Griffith Base	3.1	2.9	3.0	2.9	2.9				
Wagga Wagga Base	2.7	2.4	2.5	2.3	2.6				
Other hospitals	3.4	3.4	3.1	3.1	3.1				
TOTAL	3.1	2.9	2.9	2.8	2.8				
Western NSW									
Dubbo Base	2.7	2.5	2.5	2.4	2.5				
Mudgee	3.1	2.5	2.5	2.8	2.8				
Bathurst Base	2.9	2.7	2.7	2.7	2.9				
Orange Base	3.3	2.8	2.8	2.5	2.6				
Other hospitals	2.9	2.9	2.9	2.7	2.8				
TOTAL	2.9	2.7	2.6	2.5	2.7				
Far West									
Broken Hill Base	3.3	3.4	3.3	2.9	3.0				
TOTAL	3.3	3.4	3.3	2.9	3.0				
Private Hospitals									
Mater, North Sydney	4.5	4.4	4.4	4.4	4.4				
North Shore Private	4.5	4.4	4.4	4.5	4.5				
Sydney Adventist	4.7	4.6	4.6	4.7	4.7				
North Gosford Private	4.7	4.6	4.5	5.0	4.4				
Hurstville Community	4.5	4.5	4.4	4.1	4.4				
Kareena Private	4.6	4.5	4.4	4.4	4.5				
St. George Private Prince of Wales Private	4.2	4.2	4.3	4.3	4.4				
	4.4	4.5	4.6	4.4	4.5				
Norwest Private	4.3 4.4	4.3 4.3	4.5 4.5	4.3 4.4	4.3				
Sydney Southwest Private  Nepean Private	4.4	4.3	4.5	4.4	4.4				
Westmead Private	3.9	3.9	4.9	4.7	4.6				
Figtree Private	5.3	5.2	5.2	5.2	5.3				
Newcastle Private	4.0	3.8	4.0	4.1	4.1				
Calvary, Wagga Wagga	5.0	4.5	4.4	4.1	5.0				
Other hospitals	4.8	4.7	4.4	4.1	4.5				
o and mospitals		4.7	4.4	4.4	4.5				
TOTAL	4.4								

Source: NSW Perinatal Data Collection (SAPHaRI).
Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Hospitals with more than 200 births in 2012 are identified individually.
\* Total NSW includes births at home assisted by independent midwives.

## 7. CLINICAL INDICATORS FOR OBSTETRICS

Selected clinical indicators for obstetrics are reported in this section. The definitions of the clinical indicators follow those described in Version 7 of the Australian Council on Healthcare Standards Clinical Indicator User's Manual 2012.1

### Outcome of selected primipara

#### Indicator 1.1

Definition: The number of selected primipara who have a spontaneous vaginal birth as a percentage of the total number of selected primipara who give birth.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 58 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 58: 1.1 SELECTED PRIMIPARA WHO HAVE A SPONTANEOUS VAGINAL BIRTH BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012

	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	57.2	55.2	51.3	55.2	52.6
Royal Prince Alfred	54.0	51.8	50.8	51.3	54.1
TOTAL	54.6	52.6	50.9	52.1	53.8
South Western Sydney					
Fairfield	75.8	71.2	76.0	77.5	79.2
Liverpool	65.0	67.6	65.0	66.1	62.7
Campbelltown	66.9	64.8	63.3	65.8	65.4
Bankstown-Lidcombe	63.6	62.2	60.1	66.8	61.9
Bowral	55.6	52.9	53.4	55.0	57.7
Other hospitals	0.0	100.0	0.0	0.0	0.0
TOTAL	66.7	65.7	64.9	67.8	66.3
South Eastern Sydney					
St. George	50.9	55.2	56.5	52.7	53.0
Sutherland	70.3	57.4	65.8	64.4	58.8
Royal Hospital for Women	49.4	51.4	50.6	47.0	53.0
TOTAL	53.1	53.7	55.2	51.7	53.9
Illawarra Shoalhaven					
Shoalhaven	55.8	57.1	57.1	46.8	57.7
Wollongong	59.8	59.0	59.5	59.7	61.9
Other hospitals	60.0	41.7	51.9	53.3	50.0
TOTAL	58.9	58.0	58.6	56.3	60.3
Western Sydney					
Auburn	70.8	63.7	59.4	64.7	71.2
Blacktown	54.4	50.7	47.4	43.8	48.2
Westmead	50.9	50.6	47.7	52.3	51.8
TOTAL	54.8	52.4	49.2	52.0	53.8
Nepean Blue Mountains					
Blue Mountains	47.2	51.1	52.0	45.3	73.7
Nepean	47.5	49.0	50.5	44.2	45.3
Hawkesbury	45.9	44.8	45.6	45.7	43.5
Other hospitals	59.6	64.5	50.0	52.2	65.9
TOTAL	47.8	48.6	49.7	44.8	47.1
Northern Sydney					
Hornsby	49.0	53.6	54.9	52.7	58.9
Manly	55.0	49.6	52.6	52.0	51.9

Y LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008–2012*								
Local Health District-Hospital	2008	2009	2010	2011	2012			
Local nealth District-nospital	%	%	%	%	%			
Royal North Shore	54.8	46.7	46.6	46.1	50.7			
Other hospitals	56.1	62.3	100.0	100.0	67.4			
TOTAL	53.6	50.2	51.2	50.1	53.7			
Central Coast								
Gosford	46.4	43.6	42.1	37.5	44.6			
Other hospitals	95.8	100.0	100.0	100.0	100.0			
TOTAL	48.2	46.9	44.3	40.2	47.4			
<b>Hunter New England</b>								
Armidale	59.5	73.5	58.0	49.1	57.4			
Inverell	39.2	42.3	51.7	36.5	46.7			
Moree	62.5	65.7	75.5	54.2	59.7			
Tamworth Base	45.3	53.7	53.1	57.3	56.9			
Manning Base	63.0	57.3	55.4	53.6	56.4			
Maitland	56.0	50.2	48.9	45.5	56.2			
Muswellbrook	74.4	76.7	80.5	63.8	75.4			
John Hunter	59.9	59.5	52.6	56.9	51.9			
Other hospitals	68.2	71.1	66.0	67.1	67.9			
TOTAL	58.9	58.6	54.5	54.4	55.8			
Northern NSW								
Grafton Base	55.9	57.6	57.6	67.8	63.0			
Lismore Base	60.0	59.2	64.0	64.2	63.3			
Tweed Heads	66.8	67.8	62.0	61.9	65.1			
Other hospitals	75.2	90.6	97.1	93.1	90.1			
TOTAL	64.6	65.8	64.7	65.7	66.9			
Mid North Coast								
Coffs Harbour	56.1	51.1	60.0	56.1	51.9			
Kempsey	73.8	71.2	57.7	72.1	63.0			
Port Macquarie Base	57.7	58.4	52.0	56.8	55.9			
Other hospitals	100.0	75.0	100.0	90.0	91.7			
TOTAL	59.2	56.0	57.1	58.6	55.1			
Southern NSW								
Bega	56.3	68.4	60.0	56.4	53.8			
Goulburn Base	55.6	38.0	55.3	44.6	45.6			
Moruya	53.5	54.5	52.3	52.9	56.4			
Queanbeyan	63.6	60.0	62.9	61.2	55.0			
Other hospitals	69.3	75.6	73.0	67.5	56.8			
TOTAL	60.1	57.6	59.5	55.8	53.5			

<sup>1.</sup> Australian Council on Healthcare Standards. Obstetrics Indicator Users' Manual 2012. Obstetrics version 6. Sydney: ACHS, 2012.

TABLE 58: (Continued)

Local Health District-Hospital	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Murrumbidgee					
Griffith Base	58.6	59.4	50.4	51.8	43.0
Wagga Wagga Base	49.1	51.1	50.9	59.1	48.3
Other hospitals	52.7	51.5	57.1	49.1	66.1
TOTAL	52.7	53.2	53.0	53.3	51.0
Western NSW					
Dubbo Base	57.1	62.2	64.7	67.6	62.2
Mudgee	57.9	64.3	49.2	67.9	73.1
Bathurst Base	66.7	59.4	61.5	53.2	57.7
Orange Base	56.4	46.0	54.6	54.5	52.6
Other hospitals	64.8	60.0	67.3	61.1	57.7
TOTAL	59.8	57.6	60.7	60.7	58.9
Far West					
Broken Hill Base	47.9	52.9	50.9	58.0	56.0
TOTAL	47.9	52.9	50.9	58.0	56.0
Private Hospitals					
Mater, North Sydney	28.2	30.1	31.7	28.5	33.4
North Shore Private	31.3	36.1	36.3	31.2	31.7
Sydney Adventist	42.8	47.2	46.9	52.4	51.2

Local Health District–Hospital	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
North Gosford Private	30.7	29.8	29.0	30.5	36.7
Hurstville Community	36.7	39.9	37.4	36.2	43.5
Kareena Private	20.9	35.3	33.3	33.9	31.0
St. George Private	31.3	25.6	28.5	33.0	31.1
Prince of Wales Private	40.8	35.5	36.6	35.9	30.4
Norwest Private	47.5	40.1	40.5	40.0	43.3
Sydney Southwest Private	51.8	48.9	43.9	44.2	42.8
Nepean Private	42.1	48.0	51.3	44.8	41.7
Westmead Private	40.6	39.4	33.3	33.8	32.3
Figtree Private	45.8	38.3	36.9	33.8	33.0
Newcastle Private	41.7	45.8	39.2	41.4	41.3
Calvary, Wagga Wagga	37.1	39.2	36.5	45.3	35.5
Other hospitals	43.5	34.7	44.2	48.1	36.1
TOTAL	38.0	38.1	37.1	37.1	36.9
TOTAL NSW*	52.1	51.4	50.6	50.6	51.4

Source: NSW Perinatal Data Collection (SAPHaRI).
Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Hospitals with more than 200 births in 2012 are identified individually.
\* Total NSW includes births at home assisted by independent midwives.

Definition: The number of selected primipara who undergo induction of labour as a percentage of the total number of selected primipara who give birth.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 59 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 59: 1.2 SELECTED PRIMIPARA WHO UNDERGO INDUCTION OF LABOUR BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008 - 2012\*

Land Harlet Birthirt Hamital	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	27.8	28.2	25.8	25.1	37.8
Royal Prince Alfred	25.1	27.6	28.6	28.9	34.3
TOTAL	25.6	27.8	28.0	28.2	35.1
South Western Sydney					
Fairfield	19.0	23.1	26.1	25.6	24.6
Liverpool	31.2	28.9	27.6	28.0	30.8
Campbelltown	27.3	32.2	33.8	32.5	34.5
Bankstown-Lidcombe	28.3	33.8	30.0	33.4	32.0
Bowral	36.8	21.4	25.3	24.0	30.1
Other hospitals	0.0	0.0	0.0	0.0	0.0
TOTAL	27.5	29.4	29.4	29.9	30.9
South Eastern Sydney					
St. George	39.7	35.9	34.9	40.4	40.5
Sutherland	29.9	37.7	32.1	29.0	35.1
Royal Hospital for Women	33.8	32.8	34.7	34.8	34.5
TOTAL	35.1	34.7	34.3	35.6	36.7
Illawarra Shoalhaven					
Shoalhaven	32.0	30.7	36.6	45.9	34.6
Wollongong	43.2	43.7	39.3	41.1	36.3
Other hospitals	30.0	37.5	33.3	26.7	21.9
TOTAL	40.5	40.5	38.4	41.8	35.3
Western Sydney					
Auburn	29.5	30.3	29.7	31.4	31.8
Blacktown	40.4	43.9	43.9	43.7	45.0
Westmead	44.5	42.7	45.9	40.8	40.0
TOTAL	41.1	41.4	43.0	40.0	40.1
Nepean Blue Mountains					
Blue Mountains	26.4	51.1	22.0	17.0	26.3
Nepean	41.3	40.7	38.8	40.0	43.6
Hawkesbury	39.7	42.3	34.4	42.9	32.5
Other hospitals	22.8	35.5	39.5	41.3	34.1
TOTAL South and South	39.5	41.3	37.3	39.7	40.5
Northern Sydney	27.6	24.5	20.0	25.5	34.2
Hornsby	37.6	34.5	38.9	35.5	
Manly  Royal North Shore	30.7 35.7	31.9 37.1	35.2 37.2	39.3 36.4	43.0 41.5
Royal North Shore Other hospitals	35.7	31.1	0.0	0.0	19.6
TOTAL	35.1	34.8	36.3	36.3	39.1
Central Coast	33.1	34.0	30.3	30.3	33.1
Gosford	38.2	39.8	40.5	46.0	44.2
Other hospitals	0.0	0.0	0.0	0.0	0.0
TOTAL	36.8	37.5	39.0	44.1	41.9
Hunter New England					
Armidale	35.5	33.7	41.0	37.7	37.5
Inverell	33.3	51.9	37.9	40.4	53.3
Moree	35.4	54.3	42.9	41.7	40.3
Tamworth Base	44.8	48.3	39.6	44.7	44.6
Manning Base	33.6	37.6	34.4	44.0	34.6
Maitland	40.3	38.5	41.9	45.9	42.1
Muswellbrook	14.0	25.6	7.3	17.0	16.4
John Hunter	34.0	34.2	34.4	39.3	43.0
Other hospitals	27.4	22.8	24.5	22.2	18.2
TOTAL	35.0	36.2	35.6	39.7	39.5

CAL HEALTH DISTRICT AND					
Local Health District-Hospital	2008	2009	2010	2011	2012
zoca neara zistret nospital	%	%	%	%	%
Northern NSW					
Grafton Base	40.5	31.4	35.4	40.0	32.0
Lismore Base	24.0	25.6	27.6	30.7	31.0
Tweed Heads	26.6	30.6	26.6	33.0	26.2
Other hospitals	14.4	4.7	0.0	0.0	0.0
TOTAL	25.4	26.8	25.9	30.6	25.5
Mid North Coast					
Coffs Harbour	23.5	23.8	29.1	25.7	31.2
Kempsey	31.1	23.7	29.6	34.4	17.4
Port Macquarie Base	24.5	28.1	24.0	34.7	37.
Other hospitals	0.0	0.0	0.0	0.0	0.0
TOTAL	24.4	25.1	27.1	29.5	31.8
Southern NSW					
Bega	27.1	29.8	27.1	32.1	30.8
Goulburn Base	9.7	15.5	9.2	18.1	27.
Moruya	29.6	24.7	25.6	19.1	29.
Queanbeyan	29.9	15.6	15.5	19.8	18.
Other hospitals	18.7	13.3	27.0	25.0	22.
TOTAL	22.7	19.7	19.7	22.3	24.
Murrumbidgee					
Griffith Base	15.2	24.8	36.2	29.5	35.
Wagga Wagga Base	26.0	35.1	37.1	46.1	40.
Other hospitals	27.3	30.7	28.0	21.1	26.
TOTAL	24.0	31.1	33.5	32.0	35.
Western NSW					
Dubbo Base	34.5	29.7	39.2	43.5	48.
Mudgee	31.6	37.5	35.4	50.9	35.
Bathurst Base	16.7	16.9	27.7	29.0	32.
Orange Base	33.6	38.6	41.3	35.3	41.
Other hospitals	27.0	26.0	31.8	26.9	26.
TOTAL	29.7	29.3	36.7	37.1	39.
Far West					
Broken Hill Base	15.5	19.1	29.1	26.0	30.
TOTAL	15.5	19.1	29.1	26.0	30.
Private Hospitals					
Mater, North Sydney	30.7	28.2	24.5	26.2	26.
North Shore Private	30.3	30.6	22.8	24.1	26.
Sydney Adventist	32.0	33.9	32.2	28.8	27.
North Gosford Private	29.9	30.3	37.9	43.2	44.
Hurstville Community	36.3	30.5	32.9	37.2	26.
Kareena Private	45.0	40.6	33.9	33.0	26.
St. George Private	32.0	36.6	40.6	39.3	32.
Prince of Wales Private	25.2	28.9	26.8	27.7	25.
Norwest Private	47.2	45.5	50.8	44.7	46.
Sydney Southwest Private	36.3	35.9	44.9	36.7	34.
Nepean Private	40.7	40.6	38.2	48.8	47.
Westmead Private	34.3	34.4	37.3	33.6	38.
Figtree Private	49.8	52.3	53.1	47.5	47.
Newcastle Private	33.3	30.3	32.6	36.1	37.
Calvary, Wagga Wagga	26.9	26.7	35.1	32.0	50.
Other hospitals	37.1	36.1	36.5	42.6	43.
TOTAL	33.9	34.0	34.6	34.2	33.
TOTAL NSW*	33.0	33.8	34.2	34.9	35.

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

<sup>#</sup> Hospitals with more than 200 births in 2012 are identified individually.
\* Total NSW includes births at home assisted by independent midwives.

Definition: The number of selected primipara who undergo an instrumental vaginal birth as a percentage of the total number of selected primipara who give birth.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 60 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 60: 1.3 SELECTED PRIMIPARA WHO UNDERGO AN INSTRUMENTAL VAGINAL BIRTH BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012#

	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	26.1	24.0	22.5	24.5	19.1
Royal Prince Alfred	20.5	22.7	24.7	24.4	25.9
TOTAL	21.7	23.0	24.2	24.4	24.4
South Western Sydney					
Fairfield	11.2	16.6	10.8	12.1	8.8
Liverpool	15.6	16.7	19.0	17.3	19.1
Campbelltown	12.8	14.2	17.0	14.6	13.8
Bankstown-Lidcombe	20.9	21.3	23.6	16.1	18.8
Bowral	29.2	27.9	30.1	27.9	25.2
Other hospitals	0.0	0.0	0.0	0.0	0.0
TOTAL	16.0	17.5	18.5	15.8	15.8
South Eastern Sydney					
St. George	25.6	24.4	25.2	28.0	26.8
Sutherland	16.4	25.8	15.9	21.3	24.9
Royal Hospital for Women	26.1	27.1	26.8	32.5	30.3
TOTAL	24.5	26.0	24.4	29.2	28.3
Illawarra Shoalhaven					
Shoalhaven	17.1	20.0	16.1	17.9	20.5
Wollongong	20.2	18.1	17.6	19.0	17.8
Other hospitals  TOTAL	35.0 <b>19.9</b>	37.5 <b>19.1</b>	29.6 <b>17.6</b>	33.3 <b>19.2</b>	25.0 <b>18.8</b>
Western Sydney	19.9	19.1	17.0	19.2	10.0
Auburn	14.9	17.9	21.7	14.7	15.0
Blacktown	22.5	25.7	28.3	25.4	25.7
Westmead	27.1	24.8	28.5	24.1	23.0
TOTAL	23.9	24.1	27.5	22.9	22.5
Nepean Blue Mountains					
Blue Mountains	18.9	17.8	14.0	30.2	12.3
Nepean	22.8	21.9	24.1	23.2	19.9
Hawkesbury	16.3	22.6	17.7	13.0	19.0
Other hospitals	10.5	9.7	10.5	8.7	12.2
TOTAL	20.9	21.5	22.1	21.0	19.1
Northern Sydney					
Hornsby	20.4	23.3	20.5	21.7	20.4
Manly	23.0	26.2	22.1	30.5	32.9
Royal North Shore	18.3	23.3	25.7	23.6	22.3
Other hospitals TOTAL	22.8 <b>20.4</b>	20.5 <b>23.7</b>	0.0 <b>23.0</b>	0.0 <b>24.4</b>	15.2 <b>23.9</b>
Central Coast	20.4	23.7	23.0	24.4	23.9
Gosford	22.1	22.6	27.3	28.2	28.4
Other hospitals	4.2	0.0	0.0	0.0	0.0
TOTAL	21.4	21.3	26.3	27.0	27.0
Hunter New England					
Armidale	15.7	8.4	17.0	21.7	15.4
Inverell	19.6	25.0	15.5	30.8	18.3
Moree	10.4	22.9	14.3	18.8	16.1
Tamworth Base	27.9	32.0	21.3	25.6	17.8
Manning Base	16.4	20.4	22.9	23.2	24.0
Maitland	16.8	18.1	19.2	19.5	17.0
Muswellbrook	11.6	7.0	4.9	12.8	11.5
John Hunter	23.1	20.0	22.6	19.1	24.0
Other hospitals	16.1	11.1	18.6	15.0	15.3
TOTAL	20.0	19.5	20.6	20.0	20.3

					****
Local Health District-Hospital	2008	2009	2010	2011	2012
	%	%	%	%	%
Northern NSW					
Grafton Base	17.1	17.8	15.2	11.3	13.0
Lismore Base	13.2	15.8	15.7	14.2	17.3
Tweed Heads	15.6	13.4	19.9	17.3	20.9
Other hospitals	12.4	7.1	2.9	5.6	8.9
TOTAL	14.5	14.2	16.9	14.6	17.8
Mid North Coast					
Coffs Harbour	18.6	23.4	13.7	17.6	19.3
Kempsey	3.3	10.2	18.3	14.8	15.2
Port Macquarie Base	22.1	20.0	23.5	20.2	19.1
Other hospitals	0.0	25.0	0.0	10.0	8.3
TOTAL	18.0	20.8	17.7	18.1	18.7
Southern NSW	25.0		24.4	40.0	47.0
Bega Caulhum Basa	25.0	8.8	21.4	19.2	17.3
Goulburn Base	26.4	32.4	22.4	30.1	38.0
Moruya	25.4 23.4	20.8	25.6	26.5	24.4
Queanbeyan		26.7	15.5	21.6	
Other hospitals	12.0 <b>22.2</b>	11.1	5.4	10.0 <b>22.6</b>	13.6
TOTAL	22.2	21.5	19.2	22.0	24.6
Murrumbidgee Griffith Base	19.2	17.8	28.3	25.9	32.4
Wagga Wagga Base	22.5	20.7	17.4	15.6	17.6
Other hospitals	20.6	19.0	18.5	21.1	13.4
TOTAL	21.0	19.4	20.8	20.4	21.1
Western NSW	21.0	15.4	20.6	20.4	21.1
Dubbo Base	17.5	17.8	16.3	13.3	9.1
Mudgee	23.7	16.1	16.9	7.5	14.1
Bathurst Base	14.6	13.8	15.4	22.6	15.5
Orange Base	20.0	23.8	19.3	24.1	26.1
Other hospitals	11.5	6.0	13.6	13.9	13.8
TOTAL	17.3	16.8	16.6	17.5	16.5
Far West					
Broken Hill Base	14.1	10.3	9.1	14.0	14.0
TOTAL	14.1	10.3	9.1	14.0	14.0
Private Hospitals					
Mater, North Sydney	35.9	30.9	30.2	29.4	25.9
North Shore Private	29.2	25.9	26.5	26.3	29.0
Sydney Adventist	27.8	25.2	21.3	17.1	15.1
North Gosford Private	21.2	24.1	31.3	33.1	18.8
Hurstville Community	34.2	24.0	29.4	29.3	21.9
Kareena Private	40.3	27.1	26.0	28.6	28.7
St. George Private	34.8	32.4	31.7	27.7	25.9
Prince of Wales Private	23.0	26.2	26.1	24.8	25.1
Norwest Private	30.2	29.4	34.7	35.3	29.9
Sydney Southwest Private	23.7	27.1	27.4	28.9	24.3
Nepean Private	27.5	22.1	17.2	22.6	19.8
Westmead Private	27.0	28.6	30.5	28.2	27.6
Figtree Private	31.6	27.7	33.4	29.8	35.0
Newcastle Private	28.8	25.9	28.8	29.3	26.1
Calvary, Wagga Wagga	29.3	33.5	37.8	28.0	24.8
Other hospitals	29.0	40.3	26.9	29.6	30.6
TOTAL	29.3	27.6	28.5	27.6	25.6
TOTAL NSW*	22.7	22.8	23.6	23.1	22.6

Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Hospitals with more than 200 births in 2012 are identified individually.

<sup>\*</sup> Total NSW includes births at home assisted by independent midwives

Definition: The number of selected primipara undergoing caesarean section birth as a percentage of the total number of selected primipara who give birth.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 61 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 61: 1.4 SELECTED PRIMIPARA UNDERGOING CAESAREAN SECTION BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008–2012\*

	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	16.7	20.8	26.2	20.3	28.2
Royal Prince Alfred	25.5	25.4	24.5	24.2	20.0
TOTAL	23.6	24.4	24.9	23.5	21.8
South Western Sydney					
Fairfield	13.0	12.2	13.3	10.4	12.0
Liverpool	19.4	15.7	16.1	16.5	18.2
Campbelltown	20.3	21.0	19.7	19.5	20.8
Bankstown–Lidcombe	15.3	16.5	16.4	16.8	19.3
Bowral	15.2	19.3	16.4	17.1	17.1
Other hospitals	0.0	0.0	0.0	0.0	0.0
TOTAL	17.2	16.8	16.6	16.3	17.9
South Eastern Sydney					
St. George	23.5	20.3	18.3	19.3	20.2
Sutherland	13.3	16.7	18.2	14.3	16.3
Royal Hospital for Women	24.5	21.5	22.7	20.5	16.7
TOTAL	22.5	20.2	20.4	19.1	17.8
Illawarra Shoalhaven					
Shoalhaven	27.1	22.9	26.8	35.3	21.8
Wollongong	20.0	23.0	22.9	21.3	20.4
Other hospitals	5.0	20.8	18.5	13.3	25.0
TOTAL	21.2	22.9	23.8	24.4	20.9
Western Sydney					
Auburn	14.3	18.4	19.0	20.7	13.8
Blacktown	23.1	23.7	24.3	30.8	26.1
Westmead	22.1	24.6	23.9	23.6	25.1
TOTAL	21.3	23.4	23.3	25.1	23.6
Nepean Blue Mountains					
Blue Mountains	34.0	31.1	34.0	24.5	14.0
Nepean	29.7	29.2	25.4	32.6	34.8
Hawkesbury	37.8	32.6	36.7	41.3	37.5
Other hospitals	29.8	25.8	39.5	39.1	22.0
TOTAL South and South and	31.3	29.9	28.2	34.2	33.8
Northern Sydney	20.7	23.1	24.5	25.6	20.7
Hornsby	30.7		24.5		20.7
Manly	22.0	24.3	25.4	17.5	15.1
Royal North Shore Other hospitals	27.0 21.1	30.1 17.2	27.7 0.0	30.4 0.0	27.1 17.4
TOTAL	26.0	26.0	25.8	25.5	22.4
Central Coast	20.0	20.0	23.0		22.4
Gosford	31.5	33.8	30.5	34.2	27.0
Other hospitals	0.0	0.0	0.0	0.0	0.0
TOTAL	30.4	31.8	29.4	32.8	25.6
Hunter New England					
Armidale	24.8	18.1	25.0	29.2	27.2
Inverell	41.2	32.7	32.8	32.7	35.0
Moree	27.1	11.4	10.2	27.1	24.2
Tamworth Base	26.7	14.3	25.6	17.1	25.2
Manning Base	20.5	22.3	21.7	23.2	19.6
Maitland	27.3	31.6	31.9	35.1	26.8
Muswellbrook	14.0	16.3	14.6	23.4	13.1
John Hunter	17.0	20.5	24.8	24.0	24.1
Other hospitals	15.7	17.8	15.4	18.0	16.7
TOTAL	21.1	21.9	24.9	25.6	23.9

HEALTH DISTRICT AND HOS	SPITAL, NSW 2008–2012 <sup>#</sup>					
	2008	2009	2010	2011	2012	
Local Health District-Hospital	%	%	%	%	%	
Northern NSW						
Grafton Base	27.0	24.6	27.3	20.9	24.0	
Lismore Base	26.8	25.0	27.3	20.9	19.4	
Tweed Heads	17.3	18.7	18.0	20.9	14.0	
Other hospitals	12.4	2.4	0.0	1.4	1.0	
TOTAL	20.9	20.0	18.4	19.7	1.0 15.3	
Mid North Coast	20.5	20.0	10.4	13.7	13.3	
Coffs Harbour	25.3	25.5	26.3	26.4	28.8	
Kempsey	21.3	18.6	23.9	13.1	21.7	
Port Macquarie Base	20.2	21.6	24.5	23.0	25.0	
Other hospitals	0.0	0.0	0.0	0.0	0.0	
TOTAL	22.6	23.2	25.2	23.3	26.2	
Southern NSW						
Bega	18.8	22.8	18.6	24.4	28.8	
Goulburn Base	18.1	29.6	22.4	25.3	16.5	
Moruya	21.1	24.7	22.1	20.6	19.2	
Queanbeyan	13.0	13.3	20.7	14.7	21.5	
Other hospitals	17.3	13.3	21.6	22.5	29.5	
TOTAL	17.5	20.9	21.0	20.8	21.9	
Murrumbidgee						
Griffith Base	22.2	22.8	21.3	22.3	24.6	
Wagga Wagga Base	28.4	28.2	31.7	25.3	34.1	
Other hospitals	26.7	29.4	24.4	29.7	19.6	
TOTAL	26.3	27.4	26.2	26.3	27.7	
Western NSW						
Dubbo Base	25.0	19.9	19.0	19.1	28.6	
Mudgee	18.4	19.6	33.8	24.5	12.8	
Bathurst Base	18.8	26.9	23.1	24.2	26.8	
Orange Base	23.6	29.6	26.1	21.4	21.3	
Other hospitals	23.8	34.0	19.1	25.0	28.5	
TOTAL	22.7	25.4	22.7	21.7	24.6	
Far West						
Broken Hill Base	36.6	36.8	40.0	28.0	30.0	
TOTAL	36.6	36.8	40.0	28.0	30.0	
Private Hospitals						
Mater, North Sydney	35.9	39.0	38.1	41.6	40.5	
North Shore Private	39.5	37.9	37.3	42.4	39.2	
Sydney Adventist	29.4	27.7	31.7	30.5	33.3	
North Gosford Private	48.1	46.1	39.7	35.6	44.1	
Hurstville Community	29.1	36.1	33.2	34.5	34.6	
Kareena Private	38.7	37.2	39.5	37.4	39.9	
St. George Private	33.9	42.0	39.8	39.3	43.0	
Prince of Wales Private	36.0	38.3	36.5	39.0	44.2	
Norwest Private	22.0	30.5	24.9	24.6	26.6	
Sydney Southwest Private	23.7	24.0	28.7	26.9	32.6	
Nepean Private	30.4	29.9	31.5	32.5	38.5	
Westmead Private	32.3	32.1	36.1	37.9	40.1	
Figtree Private	22.5	34.0	29.7	36.5	32.0	
Newcastle Private	29.5	28.3	32.0	29.3	32.6	
Calvary, Wagga Wagga	33.5	27.3	25.7	26.7	39.0	
Other hospitals	27.4	25.0	28.8	22.2	33.3	
TOTAL	32.6	34.2	34.2	35.2	37.4	
TOTAL NSW*	25.1	25.7	25.7	26.1	25.9	

Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Hospitals with more than 200 births in 2012 are identified individually.

<sup>\*</sup> Total NSW includes births at home assisted by independent midwives

### Vaginal birth following caesarean section

#### Indicator 2.1

Definition: Total number of women delivering vaginally following a previous primary caesarean section as a percentage of the total number of women delivering who have had a previous primary caesarean section and no intervening pregnancies greater than 20 weeks gestation.

Table 62 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 62: 2.1 VAGINAL DELIVERY AFTER PREVIOUS PRIMARY CAESAREAN SECTION BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012\*

Local Health District–Hospital	2008	2009	2010	2011	2012
	%	%	%	%	%
Sydney					
Canterbury	12.0	15.6	17.6	13.4	7.4
Royal Prince Alfred	11.0	14.3	13.1	11.0	12.7
TOTAL	11.3	14.7	14.4	11.7	11.5
South Western Sydney					
Fairfield	0.0	2.8	2.2	4.0	1.6
Liverpool	27.7	17.1	26.2	21.5	24.4
Campbelltown	22.6	12.5	10.8	17.4	25.2
Bankstown-Lidcombe	22.0	12.2	14.7	19.4	18.5
Bowral	11.9	14.3	17.0	18.9	10.5
TOTAL	20.2	12.9	15.9	17.6	19.7
South Eastern Sydney					
St. George	16.6	19.3	18.3	24.9	18.3
Sutherland	6.1	1.3	3.9	0.0	0.0
Royal Hospital for Women	9.8	10.7	13.0	11.2	10.4
TOTAL	11.5	12.6	13.9	14.4	12.2
Illawarra Shoalhaven					
Shoalhaven	3.4	11.0	7.0	9.0	14.3
Wollongong	23.4	20.9	22.0	17.8	15.6
Other hospitals	8.3	50.0	10.0	10.0	0.0
TOTAL	16.7	18.0	16.9	15.0	14.9
Western Sydney					
Auburn	1.6	3.1	4.9	0.0	1.2
Blacktown	22.5	18.0	13.5	13.8	11.8
Westmead	16.9	17.4	17.5	17.4	14.3
TOTAL	17.6	16.6	15.0	14.6	12.4
Nepean Blue Mountains					
Blue Mountains	0.0	0.0	0.0	0.0	0.0
Nepean	16.5	17.8	16.6	12.8	10.3
Hawkesbury	14.7	14.6	10.9	12.4	12.0
Other hospitals	16.7	13.3	4.5	0.0	0.0
TOTAL	15.7	16.0	14.4	12.0	10.0
Northern Sydney					
Hornsby	11.1	9.6	17.1	16.0	12.5
Manly	9.0	11.3	12.6	16.9	16.9
Royal North Shore	9.8	9.4	11.6	8.3	12.5
Other hospitals	13.0	16.0	0.0	0.0	7.1
TOTAL	10.6	10.3	13.4	12.2	13.4
Central Coast	0.0	7.0	10.1	12.6	0.0
Gosford TOTAL	8.6 <b>8.6</b>	7.0	10.1	12.6	9.0
	8.0	7.0	10.1	12.6	9.0
Hunter New England Armidale	27.8	15.4	7.9	13.0	7.8
Inverell	14.3	9.1	11.8	20.0	13.3
Moree	26.7	45.5	6.7	11.8	27.8
Tamworth Base	8.2	23.8	20.0	19.5	14.8
Manning Base	27.7	10.8	27.0	21.9	20.5
Maitland	17.1	19.4	14.9	14.4	13.6
Muswellbrook	7.1	19.4	38.5	15.0	28.6
John Hunter	27.3	23.7	23.0	18.9	18.1
Other hospitals	13.1	9.3	15.5	18.5	19.2
TOTAL	21.5	9.3 <b>19.8</b>	19.5	17.6	16.9
TOTAL	21.5	19.8	19.5	17.0	10.9

	2008	2009	2010	2011	201
Local Health District-Hospital	%	%	%	%	ç
Northern NSW					
Grafton Base	7.7	17.6	17.7	20.0	7.
Lismore Base	18.4	23.0	22.1	23.2	18
Tweed Heads	17.2	16.6	19.8	26.0	16
Other hospitals	12.8	10.0	4.2	0.0	0
TOTAL	16.2	18.9	19.4	21.4	14
Mid North Coast					
Coffs Harbour	14.6	14.7	11.1	4.0	14
Kempsey	16.7	8.7	11.8	16.7	27
Port Macquarie Base	14.8	9.7	16.0	15.1	18
TOTAL	15.0	12.6	13.1	9.3	16
Southern NSW					
Bega	18.2	38.1	17.6	13.3	15
Goulburn Base	30.3	22.6	8.7	28.9	13
Moruya	22.5	7.4	16.0	6.1	20
Queanbeyan	16.7	14.3	12.0	12.1	
Other hospitals	25.0	31.8	20.0	11.8	15
TOTAL	23.7	22.1	14.5	15.4	14
Murrumbidgee					
Griffith Base	17.6	20.0	13.9	15.2	9
Nagga Wagga Base	13.3	11.0	10.7	18.4	21
Other hospitals	10.7	9.0	8.0	12.7	1
OTAL	12.9	12.4	10.3	15.7	11
Vestern NSW		· <del>-</del> ··			•
Oubbo Base	21.9	12.9	18.4	15.5	13
Mudgee	0.0	15.8	0.0	9.7	8
Bathurst Base	13.4	14.3	4.8	20.4	18
Orange Base	12.4	12.3	22.9	13.3	9
Other hospitals	6.4	17.2	27.9	12.8	27
OTAL	13.8	13.8	17.2	14.6	14
Far West	13.0	13.0	17.2	14.0	- 15
Broken Hill Base	13.8	13.0	12.1	15.4	8
TOTAL	13.8	13.0	12.1	15.4	8
Private Hospitals	13.0	13.0	12.1	13.4	
•	3.9	4.3	4.3	2.9	9
Mater, North Sydney North Shore Private	4.2	6.2	4.7	4.9	
Sydney Adventist	9.2	8.5	8.7	6.0	7
North Gosford Private	6.5	3.9	5.6	3.7	5
Hurstville Community	2.8	6.1	5.6	6.9	3
Kareena Private	0.0	3.0	4.2	2.1	
					3
it. George Private	6.5	4.0	4.7	5.5	
Prince of Wales Private	4.3	3.4	3.5	3.7	1
Norwest Private	10.8	11.4	9.1	6.8	7
Sydney Southwest Private	5.9	3.3	3.6	0.0	1
Nepean Private	11.5	5.8	11.4	8.8	5
Westmead Private	5.1	8.3	7.6	6.5	6
igtree Private	7.1	5.9	6.7	2.5	8
Newcastle Private	11.4	12.4	8.1	9.9	10
Calvary, Wagga Wagga	7.2	12.5	3.3	12.6	8
Other hospitals	7.8	8.5	2.9	1.8	C
TOTAL	6.3	6.5	5.9	5.2	5

Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually.

\* Total NSW includes births at home assisted by independent midwives.

### Major perineal tears and surgical repair of the perineum

#### Indicator 3.1

Definition: Total number of selected primipara with an intact perineum or unsutured perineal tear as a percentage of the total number of selected primipara delivering vaginally.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 63 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 63: 3.1 SELECTED PRIMIPARA DELIVERING VAGINALLY WITH AN INTACT PERINEUM BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012

Land Harlet Birthiat Harrist	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	7.4	10.0	8.8	9.5	9.5
Royal Prince Alfred	15.3	10.6	12.8	12.6	12.0
TOTAL	13.5	10.4	12.0	11.9	11.5
South Western Sydney					
Fairfield	28.2	18.1	21.4	24.4	23.4
Liverpool	16.4	15.6	13.8	11.4	13.0
Campbelltown	28.4	28.6	19.6	20.9	22.0
Bankstown–Lidcombe	11.0	11.7	13.3	11.9	13.2
Bowral	22.8	30.1	30.3	21.5	20.6
Other hospitals	0.0	100.0	0.0	0.0	0.0
TOTAL	21.0	19.4	17.5	17.0	17.9
South Eastern Sydney					
St. George	19.0	18.2	12.7	13.5	12.2
Sutherland	19.5	19.8	25.6	16.7	21.7
Royal Hospital for Women	15.7	15.4	12.0	11.1	12.6
TOTAL	17.4	17.1	14.7	12.8	13.9
Illawarra Shoalhaven					
Shoalhaven	29.5	29.7	34.1	37.6	35.5
Wollongong	21.5	18.8	15.1	12.9	12.7
Other hospitals	15.8	21.1	63.6	42.3	20.8
TOTAL	22.9	21.4	21.3	19.1	19.0
Western Sydney					
Auburn	19.0	21.9	19.5	17.3	15.3
Blacktown	18.1	13.9	10.1	9.5	10.0
Westmead	12.2	9.5	11.5	10.9	9.0
TOTAL	15.1	12.7	12.3	11.7	10.4
Nepean Blue Mountains	20.0	25.0	27.2	27.5	26.7
Blue Mountains	20.0 18.3	25.8 17.9	27.3 14.7	27.5 13.3	36.7 15.0
Nepean Hawkesbury	29.2	28.0	22.1	30.9	26.4
Other hospitals	35.0	13.0	17.4	35.7	15.6
TOTAL	<b>20.9</b>	20.0	16.4	17.8	18.2
Northern Sydney	20.3	20.0	10.4	17.0	10.2
Hornsby	14.1	14.5	18.0	16.1	14.4
Manly	19.1	20.5	19.8	13.1	17.6
Royal North Shore	13.9	13.1	13.9	8.4	9.5
Other hospitals	26.7	34.7	54.3	45.2	31.6
TOTAL	17.1	17.0	17.6	12.4	13.9
Central Coast					
Gosford	21.7	15.8	13.7	11.9	16.8
Other hospitals	12.5	27.9	15.4	31.3	51.4
TOTAL	21.2	16.8	13.8	13.1	19.1
Hunter New England					
Armidale	28.6	23.5	22.7	20.0	24.2
Inverell	33.3	34.3	48.7	34.3	23.1
Moree	28.6	29.0	27.3	28.6	38.3
Tamworth Base	15.9	19.5	21.4	18.8	17.2
Manning Base	30.2	23.8	25.2	27.1	26.4
Maitland	25.1	19.7	14.4	15.0	20.2
Muswellbrook	29.7	33.3	28.6	27.8	39.6
John Hunter	21.5	21.8	17.9	13.0	14.4
Other hospitals	36.2	24.3	28.3	35.0	28.2
TOTAL	24.9	22.3	20.5	18.1	19.9

	2008	2009	2010	2012	
Local Health District-Hospital	%	%	%	2011 %	%
Northern NSW	/0	70	70	/0	/0
Grafton Base	40.7	31.5	41.7	39.6	43.4
Lismore Base	26.5	22.4	26.8	28.8	20.7
Tweed Heads	24.9	23.8	25.1	27.2	24.5
Other hospitals	34.3	41.0	46.4	33.8	34.0
TOTAL	28.8	26.1	29.1	29.8	26.3
Mid North Coast	22.5	46.2	40.4	47.4	46.3
Coffs Harbour	23.5	16.2	18.1	17.4	16.2
Kempsey	44.7	35.4	38.9	49.1	30.6
Port Macquarie Base	28.3	30.3	16.2	20.1	15.7
Other hospitals	42.9	0.0	25.0	50.0	33.3
TOTAL	27.9	23.3	20.1	22.9	17.8
Southern NSW	25.0	25.4	24.4	20.2	27.0
Bega	35.9	36.4	21.1	20.3	27.0
Goulburn Base	6.8	10.0	5.1	8.1	12.1
Moruya	33.9	34.5	38.8	29.6	34.9
Queanbeyan	46.3	43.6	50.5	38.8	33.3
Other hospitals	41.0	59.0	65.5	45.2	38.7
TOTAL	33.0	36.4	35.0	28.0	29.0
Murrumbidgee	26.4	22.4	25.0	22.2	20.0
Griffith Base	36.4	32.1	35.0	33.3	28.0
Wagga Wagga Base	33.1	32.0	28.9	32.2	23.0
Other hospitals	28.9	32.2	38.6	31.7	32.6
TOTAL	32.3	32.1	34.3	32.3	27.2
Western NSW	27.7	26.2	20.6	27.4	22.4
Dubbo Base	27.7	36.2	30.6	27.1	33.1
Mudgee	21.0	35.6	27.9	22.5	22.1
Bathurst Base	35.9 32.1	35.9	31.0	36.2 20.5	26.0
Orange Base	18.3	21.1 21.2	24.2 33.7		19.6
Other hospitals TOTAL	28.3	31.0	29.3	33.3 <b>27.1</b>	37.6 <b>27.2</b>
Far West	20.3	31.0	29.5	27.1	21.2
Broken Hill Base	40.0	46.5	36.4	52.8	31.4
TOTAL	40.0	46.5	36.4	52.8	31.4
Private Hospitals	40.0	40.5	30.4	32.0	31.4
Mater, North Sydney	10.8	9.3	9.7	8.6	11.7
North Shore Private	8.4	14.0	8.6	10.9	12.2
Sydney Adventist	7.1	6.7	8.0	11.8	11.9
North Gosford Private	24.2	27.6	19.3	16.6	19.5
Hurstville Community	7.1	11.6	7.6	5.3	9.7
Kareena Private	18.8	16.9	8.4	19.7	11.6
St. George Private	9.8	10.9	8.0	11.7	12.4
Prince of Wales Private	19.3	17.6	20.1	17.3	10.8
Norwest Private	15.0	14.9	11.0	7.5	7.9
Sydney Southwest Private	15.8	8.0	11.6	12.9	12.2
Nepean Private	13.2	11.7	10.9	7.6	9.9
Westmead Private	10.8	12.6	10.7	6.6	6.2
Figtree Private	11.7	11.1	7.8	6.8	9.0
Newcastle Private	26.7	27.5	17.5	21.8	17.7
Calvary, Wagga Wagga	18.0	8.6	2.7	8.2	4.7
Other hospitals	8.9	16.7	13.5	14.3	10.4
TOTAL	13.5	13.6	11.2	11.7	11.2
TOTAL NSW*	18.9	17.7	16.5	15.6	15.6
I O IAL NOV	10.5	17.7	10.5	13.0	15.0

Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually.

\* Total NSW includes births at home assisted by independent midwives.

Definition: Total number of selected primipara undergoing episiotomy and no perineal tear while giving birth vaginally as a percentage of the total number of selected primipara delivering vaginally.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 64 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 64: 3.2 SELECTED PRIMIPARA UNDERGOING EPISIOTOMY AND NO PERINEAL TEAR BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012

	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	19.8	29.8	21.7	22.3	24.5
Royal Prince Alfred	17.4	16.6	15.7	17.5	20.3
TOTAL	17.9	19.7	17.0	18.4	21.2
South Western Sydney					
Fairfield	21.2	30.5	27.7	25.5	25.0
Liverpool	31.3	28.7	27.8	26.8	30.7
Campbelltown	19.2	20.3	26.0	22.2	21.3
Bankstown–Lidcombe	30.2	32.3	33.9	28.8	31.5
Bowral	15.9	18.6	21.3	26.2	24.5
Other hospitals	0.0	0.0	0.0	0.0	0.0
TOTAL	25.1	27.2	28.4	25.8	26.9
South Eastern Sydney					
St. George	14.5	19.4	22.0	22.5	19.4
Sutherland	8.0	16.8	14.5	20.0	21.1
Royal Hospital for Women	27.5	27.0	26.6	23.9	28.5
TOTAL	20.0	22.6	22.8	22.8	24.3
Illawarra Shoalhaven					
Shoalhaven	18.2	18.4	17.7	20.6	24.6
Wollongong	12.7	14.1	14.2	16.4	16.0
Other hospitals	10.5	10.5	22.7	19.2	4.2
TOTAL	13.8	15.0	15.4	17.4	17.8
Western Sydney					
Auburn	19.3	24.8	29.7	20.4	21.3
Blacktown	26.1	26.6	36.1	36.4	37.8
Westmead	36.6	34.7	36.5	36.1	36.0
TOTAL	30.6	30.7	35.4	33.4	33.9
Nepean Blue Mountains Blue Mountains	11.4	9.7	9.1	10.0	4.1
Nepean	24.9	21.3	26.5	25.6	24.7
Hawkesbury	16.2	22.4	24.3	14.8	26.4
Other hospitals	25.0	30.4	8.7	10.7	18.8
TOTAL	22.9	21.3	25.0	22.4	23.5
Northern Sydney					
Hornsby	18.6	21.5	16.3	20.7	16.8
Manly	17.8	14.4	11.0	18.3	22.9
Royal North Shore	20.9	24.0	24.9	22.6	25.2
Other hospitals	8.0	5.9	0.0	0.0	7.9
TOTAL	17.7	19.6	18.5	20.4	21.7
Central Coast					
Gosford	9.8	13.2	13.3	17.3	15.6
Other hospitals	4.2	4.7	3.8	3.1	0.0
TOTAL	9.5	12.5	12.8	16.4	14.5
Hunter New England					
Armidale	17.6	19.1	25.3	32.0	25.3
Inverell	46.7	48.6	35.9	48.6	51.3
Moree	8.6	9.7	2.3	8.6	8.5
Tamworth Base	31.7	17.8	21.4	23.0	17.9
Manning Base Maitland	12.9 10.3	12.3	17.9	19.4	12.5
iviaitidilu	10.3	12.2	18.2	14.3	17.6
Muswellbrook	5.4	10.4	5.7	12.0	20.0
Muswellbrook	5.4 13.4	19.4 14.9	5.7 15.9	13.9 16.2	20.8
Muswellbrook John Hunter Other hospitals	5.4 13.4 13.8	19.4 14.9 10.1	5.7 15.9 13.2	13.9 16.2 14.6	20.8 18.7 16.7

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Local Health District-Hospital	2008	2009	2010	2011	2012
	%	%	%	%	%
Northern NSW					
Grafton Base	21.0	22.5	13.9	12.1	18.4
Lismore Base	12.2	18.1	11.8	12.7	17.3
Tweed Heads	14.0	14.9	12.4	7.9	16.0
Other hospitals	13.4	13.3	4.3	4.2	3.0
TOTAL	14.1	16.6	11.6	9.7	15.1
Mid North Coast					
Coffs Harbour	15.0	24.3	13.8	12.8	17.1
Kempsey	8.5	4.2	11.1	11.3	5.6
Port Macquarie Base	19.9	16.6	19.5	17.7	13.7
Other hospitals	14.3	0.0	0.0	0.0	8.3
TOTAL	16.2	18.9	15.4	14.2	14.6
Southern NSW					
Bega	7.7	13.6	22.8	13.6	10.8
Goulburn Base	66.1	74.0	66.1	75.8	59.1
Moruya	19.6	20.7	17.9	16.7	12.7
Queanbeyan	7.5	10.3	5.5	7.1	12.0
Other hospitals	11.5	2.6	6.9	12.9	16.1
TOTAL	23.0	23.8	23.4	24.7	22.3
Murrumbidgee					
Griffith Base	20.8	20.5	27.0	25.3	29.0
Wagga Wagga Base	19.0	20.0	21.9	11.3	16.3
Other hospitals	21.5	27.0	17.3	25.2	23.6
TOTAL	20.4	22.6	21.7	20.3	22.4
Western NSW					
Dubbo Base	34.0	23.1	23.8	21.8	24.4
Mudgee	24.2	8.9	11.6	5.0	14.7
Bathurst Base	17.1	20.5	15.0	21.3	10.6
Orange Base	14.3	15.0	14.3	16.5	19.1
Other hospitals	12.9	7.6	9.0	11.1	15.1
TOTAL	21.5	18.0	17.2	17.7	18.1
Far West					
Broken Hill Base	17.8	16.3	18.2	13.9	14.3
TOTAL	17.8	16.3	18.2	13.9	14.3
Private Hospitals					
Mater, North Sydney	45.2	43.6	42.6	41.1	42.5
North Shore Private	46.8	38.7	40.2	38.4	40.1
Sydney Adventist	36.9	34.6	33.7	30.9	31.8
North Gosford Private	25.8	25.2	39.3	39.7	35.9
Hurstville Community	44.2	36.1	45.3	38.9	39.5
Kareena Private	38.5	32.3	28.0	26.1	29.7
St. George Private	36.0	32.0	38.2	34.5	27.4
Prince of Wales Private	32.9	34.4	30.8	33.8	31.6
Norwest Private	33.3	27.5	32.6	37.5	30.3
Sydney Southwest Private	45.6	46.8	48.6	55.6	52.2
Nepean Private	48.9	47.7	49.7	57.1	53.9
Westmead Private	50.9	49.8	57.9	59.1	66.8
Figtree Private	51.5	53.5	54.4	52.1	48.1
Newcastle Private	26.0	22.4	27.0	23.2	25.2
Calvary, Wagga Wagga	20.7	29.7	33.6	41.8	42.4
Other hospitals	48.9	44.4	48.6	54.8	50.0
TOTAL	40.0	37.8	40.3	40.1	39.3
TOTAL NSW*	25.0	25.4	26.3	25.8	26.7

Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually.

\* Total NSW includes births at home assisted by independent midwives.

Definition: Total number of selected primipara sustaining a perineal tear and no episiotomy as a percentage of the total number of selected primipara delivering vaginally.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 65 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 65: 3.3 SELECTED PRIMIPARA SUSTAINING A PERINEAL TEAR AND NO EPISIOTOMY BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008–2012

Local Hanish District Hasnital	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	63.7	54.9	60.2	64.0	58.6
Royal Prince Alfred	69.0	72.4	69.5	66.1	65.5
TOTAL	67.8	68.3	67.5	65.6	64.1
South Western Sydney					
Fairfield	60.2	52.7	57.2	56.3	58.0
Liverpool	49.0	51.5	56.4	55.7	54.8
Campbelltown	60.0	56.4	58.2	61.4	63.6
Bankstown–Lidcombe	57.8	49.1	49.6	55.6	51.4
Bowral	62.1	63.7	54.9	50.5	58.8
Other hospitals	0.0	0.0	0.0	0.0	0.0
TOTAL	56.7	53.0	55.4	57.1	57.2
South Eastern Sydney					
St. George	64.6	59.8	59.1	55.6	55.8
Sutherland	73.7	66.2	68.2	61.3	58.9
Royal Hospital for Women	58.2	58.4	60.6	57.9	55.2
TOTAL	62.9	60.3	61.4	57.7	56.0
Illawarra Shoalhaven					
Shoalhaven	59.1	62.0	68.3	61.0	60.1
Wollongong	68.4	64.9	67.0	68.8	72.0
Other hospitals	57.9	63.2	40.9	50.0	75.0
TOTAL	66.2	64.2	66.5	66.5	69.0
Western Sydney					
Auburn	63.3	53.7	54.4	60.9	64.5
Blacktown	57.7	56.5	51.3	48.3	46.6
Westmead	45.4	46.4	46.8	45.2	47.6
TOTAL	52.0	50.7	49.3	48.8	50.3
Nepean Blue Mountains					
Blue Mountains	65.7	71.0	66.7	77.5	73.5
Nepean	58.7	59.6	57.2	59.5	59.2
Hawkesbury	64.6	57.8	62.5	61.1	56.8
Other hospitals	45.0	56.5	65.2	46.4	53.1
TOTAL	59.3	59.6	58.6	60.2	59.5
Northern Sydney	C2 1	CAC	C7 1	C1 4	CF 0
Hornsby Manly	62.1	64.6 63.7	67.1 72.6	61.4 60.2	65.0
•	67.2 58.8	53.3	72.6 52.6	55.0	57.5 57.7
Royal North Shore Other hospitals	73.3	79.2	97.1	83.9	75.0
TOTAL	63.6	60.8	62.6	58.6	60.3
Central Coast	03.0	00.0	02.0	30.0	00.5
Gosford	73.4	68.0	66.2	61.3	64.9
Other hospitals	87.5	79.1	84.6	84.4	73.0
TOTAL	74.1	68.9	67.1	62.7	65.4
Hunter New England					
Armidale	52.7	60.3	52.0	48.0	53.5
Inverell	30.0	28.6	38.5	28.6	30.8
Moree	68.6	83.9	79.5	65.7	72.3
Tamworth Base	54.0	67.2	58.4	60.0	62.3
Manning Base	69.8	67.2	63.4	63.6	69.4
Maitland	73.5	73.1	67.0	69.7	67.4
Muswellbrook	73.0	69.4	80.0	66.7	47.2
John Hunter	69.9	69.1	64.3	67.8	65.6
Other hospitals	62.2	72.3	67.3	69.3	65.5
TOTAL	66.8	68.8	64.0	65.5	64.2

	2008	2009	2010	2011	2012
Local Health District–Hospital	%	%	%	%	%
Northern NSW					
Grafton Base	49.4	51.7	58.3	65.9	56.6
Lismore Base	66.8	68.4	63.2	70.0	67.9
Tweed Heads	62.8	66.1	66.8	73.1	67.7
Other hospitals	59.0	60.2	60.9	77.5	81.0
TOTAL	61.9	64.5	64.4	71.6	68.3
Mid North Coast	01.5	04.5	04.4	71.0	00.5
Coffs Harbour	57.7	51.9	71.4	70.2	63.3
Kempsey	70.2	70.8	64.8	62.3	77.8
Port Macquarie Base	54.8	57.2	53.2	62.2	63.4
Other hospitals	57.1	100.0	75.0	60.0	75.0
TOTAL	58.0	56.5	64.0	66.1	65.0
Southern NSW	30.0	30.3	04.0		03.0
Bega	64.1	47.7	63.2	69.5	78.4
Goulburn Base	22.0	14.0	18.6	11.3	24.2
Moruya	51.8	50.0	53.7	53.7	49.2
Queanbeyan	68.7	59.0	65.9	60.2	70.1
Other hospitals	55.7	59.0	44.8	64.5	54.8
TOTAL	52.1	46.8	51.5	51.3	55.7
Murrumbidgee	32.1	40.0	31.3	31.3	33.7
Griffith Base	50.6	62.8	51.0	56.3	52.3
Wagga Wagga Base	52.9	57.6	61.4	71.3	63.7
Other hospitals	50.4	43.5	52.0	46.3	46.1
TOTAL	51.4	53.8	54.8	<b>57.8</b>	55.3
Western NSW	31.4	33.0	34.0	37.0	33.3
Dubbo Base	43.1	45.0	51.6	54.7	51.7
Mudgee	53.2	51.1	55.8	72.5	67.6
Bathurst Base	64.1	56.4	68.0	59.6	72.1
Orange Base	58.9	51.9	64.0	67.6	57.3
Other hospitals	63.4	68.2	66.3	64.2	61.3
TOTAL	55.3	51.9	59.6	61.5	59.9
Far West					
Broken Hill Base	57.8	53.5	60.6	61.1	71.4
TOTAL	57.8	53.5	60.6	61.1	71.4
Private Hospitals		·			
Mater, North Sydney	34.4	36.6	36.6	40.6	34.8
North Shore Private	44.9	46.4	50.8	50.7	46.1
Sydney Adventist	52.4	56.8	57.1	58.0	57.0
North Gosford Private	44.2	44.7	36.3	32.5	37.5
Hurstville Community	36.0	43.5	40.9	46.8	47.6
Kareena Private	43.6	54.6	63.6	54.2	58.1
St. George Private	53.9	56.2	54.5	54.4	60.2
Prince of Wales Private	47.1	40.1	43.5	43.9	50.4
Norwest Private	45.2	50.2	45.6	47.8	53.7
Sydney Southwest Private	35.1	36.8	33.3	28.4	32.2
Nepean Private	32.6	29.9	34.4	24.7	28.3
Westmead Private	39.5	39.3	31.6	32.1	24.9
Figtree Private	34.7	35.4	38.2	40.5	42.4
Newcastle Private	54.2	57.5	60.7	60.9	59.7
Calvary, Wagga Wagga	48.6	50.8	44.5	33.6	42.4
Other hospitals	44.4	27.8	43.2	28.6	33.3
TOTAL	44.0	45.2	44.9	44.9	46.0
TOTAL NSW*	57.0	56.2	56.6	56.6	56.6

Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually.

\* Total NSW includes births at home assisted by independent midwives.

Definition: Total number of selected primipara undergoing episiotomy and sustaining a perineal tear while giving birth vaginally as a percentage of the total number of selected primipara delivering vaginally.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 66 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 66: 3.4 SELECTED PRIMIPARA UNDERGOING EPISIOTOMY AND SUSTAINING A PERINEAL TEAR BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012\*

Land Harlet Blooking Harrist	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	7.41	5.51	8.31	6.25	6.43
Royal Prince Alfred	4.87	3.47	6.30	7.79	6.38
TOTAL	5.45	3.94	6.72	7.48	6.39
South Western Sydney					
Fairfield	1.87	3.05	3.26	2.12	1.92
Liverpool	5.58	5.49	4.06	2.13 6.49	5.60
•	2.62	2.08	1.75	3.09	1.94
Campbelltown Bankstown-Lidcombe	5.13	6.57	7.72	6.83	8.09
Bowral	2.07	1.77	3.28	1.87	0.98
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	3.78	4.16	4.10	4.61	4.22
	3.70	4.10	4.10	4.01	4.22
South Eastern Sydney	0.05	11 42	11 14	12.22	15.00
St. George	9.95	11.42	11.14	12.22	15.99
Sutherland	3.24 6.18	4.83 6.94	3.90	6.41 11.43	7.78 8.53
Royal Hospital for Women TOTAL			6.88		
Illawarra Shoalhaven	6.88	7.94	7.84	10.80	10.88
Shoalhaven	5.30	6.96	3.05	3.55	2.19
Wollongong	5.30	5.71	8.66	4.87	5.11
Other hospitals	15.79	10.53	0.00	3.85	8.33
TOTAL	5.66	6.15	7.00	4.56	4.45
Western Sydney	3.00	0.13	7.00	4.30	4.43
Auburn	9.32	8.25	9.31	8.77	7.55
Blacktown	10.17	10.73	9.50	10.30	7.77
Westmead	10.44	11.63	10.20	11.16	10.67
TOTAL	10.18	10.85	9.86	10.52	9.34
Nepean Blue Mountains	10.10	10.05	3.00	10.32	3.34
Blue Mountains	5.71	6.45	9.09	2.50	2.04
Nepean	6.90	9.69	6.89	8.25	9.06
Hawkesbury	6.92	13.04	5.15	6.04	6.40
Other hospitals	5.00	4.35	8.70	25.00	12.50
TOTAL	6.76	10.07	6.74	8.15	8.33
Northern Sydney					
Hornsby	11.90	6.06	6.36	6.67	10.18
Manly	6.64	12.59	6.60	13.08	10.20
Royal North Shore	11.32	16.44	16.03	18.80	11.66
Other hospitals	4.81	1.98	0.00	3.23	3.95
TOTAL	9.44	11.69	10.83	14.06	10.53
Central Coast					
Gosford	8.41	11.94	14.16	16.04	10.18
Other hospitals	0.00	4.65	3.85	0.00	0.00
TOTAL	7.96	11.33	13.63	15.04	9.48
Hunter New England					
Armidale	10.99	5.88	9.33	10.67	8.08
Inverell	3.33	8.57	0.00	2.86	5.13
Moree	2.86	0.00	6.82	14.29	0.00
Tamworth Base	9.52	7.47	8.44	6.67	8.61
Manning Base	4.31	4.92	3.25	5.43	4.17
Maitland	5.15	7.89	7.90	10.33	4.11
Muswellbrook	2.70	2.78	0.00	5.56	1.89
John Hunter	10.54	9.14	11.76	8.17	9.54
Other hospitals	6.91	4.73	8.81	5.84	7.47

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Local Health District–Hospital	2008	2009	2010	2011	2012
•	%	%	%	%	%
Northern NSW					
Grafton Base	1.23	0.00	2.78	1.10	1.32
Lismore Base	5.88	3.38	9.21	6.54	5.91
Tweed Heads	3.65	2.44	3.80	5.95	5.66
Other hospitals	2.24	2.41	1.45	5.63	3.00
TOTAL	3.85	2.44	5.10	5.55	5.02
Mid North Coast					
Coffs Harbour	2.82	7.14	5.71	6.88	10.00
Kempsey	4.26	6.25	1.85	3.77	2.78
Port Macquarie Base	3.61	6.21	11.04	7.93	11.11
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	3.23	6.63	7.11	6.74	9.49
Southern NSW					
Bega	2.56	6.82	5.26	5.08	5.41
Goulburn Base	0.00	4.00	5.08	1.61	4.55
Moruya	5.36	0.00	2.99	9.26	3.17
Queanbeyan	4.48	6.41	1.10	4.08	5.13
Other hospitals	0.00	0.00	3.45	0.00	9.68
TOTAL	2.48	3.72	3.30	4.28	5.10
Murrumbidgee					
Griffith Base	2.60	3.85	4.00	8.05	5.61
Wagga Wagga Base	4.96	8.00	3.51	4.35	5.93
Other hospitals	4.96	4.35	3.94	3.25	4.49
TOTAL	4.39	5.66	3.81	4.92	5.44
Western NSW					
Dubbo Base	4.26	6.11	6.85	6.22	2.33
Mudgee	4.84	11.11	11.63	12.50	4.41
Bathurst Base	2.56	1.71	5.00	6.38	7.69
Orange Base	8.33	17.29	11.80	9.66	14.57
Other hospitals	6.45	6.06	8.99	7.41	3.23
TOTAL	5.41	8.14	8.42	7.79	7.39
Far West					
Broken Hill Base	0.00	0.00	3.03	2.78	5.71
TOTAL	0.00	0.00	3.03	2.78	5.71
Private Hospitals					
Mater, North Sydney	7.62	7.95	5.30	5.14	7.01
North Shore Private	0.63	0.90	1.13	0.24	0.92
Sydney Adventist	2.73	2.59	1.45	1.01	0.47
North Gosford Private	5.83	4.88	5.19	7.95	3.13
Hurstville Community	8.63	7.41	5.78	5.26	4.32
Kareena Private	1.71	0.77	0.00	0.70	1.29
St. George Private	1.04	0.86	0.62	0.00	0.59
Prince of Wales Private	3.62	6.41	4.91	4.28	7.08
Norwest Private	3.74	4.31	3.26	2.40	4.44
Sydney Southwest Private	3.86	5.20	2.78	3.56	2.61
Nepean Private	2.11	1.52	2.19	5.88	3.29
Westmead Private	0.38	0.52	0.80	0.80	1.01
Figtree Private	1.53	0.51	0.00	0.53	0.48
Newcastle Private	0.50	0.25	0.00	0.00	0.00
Calvary, Wagga Wagga	9.91	13.28	14.55	10.00	2.35
Other hospitals	0.00	9.26	5.41	11.90	8.33
TOTAL	2.92	3.40	2.72	2.54	2.73
TOTAL NSW*	5.70	6.36	6.48	7.14	6.56

Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Hospitals with more than 200 births in 2012 are identified individually.
\* Total NSW includes births at home assisted by independent midwives.

Definition: Total number of selected primipara undergoing surgical repair of the perineum for third degree tear as a percentage of the total number of selected primipara delivering vaginally.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 67 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 67: 3.5 SELECTED PRIMIPARA UNDERGOING SURGICAL REPAIR OF THE PERINEUM FOR THIRD DEGREE TEAR BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012#

	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	6.91	2.51	10.83	9.75	6.90
Royal Prince Alfred	5.24	6.04	6.16	7.15	7.63
TOTAL	5.62	5.22	7.15	7.68	7.48
South Western Sydney					
Fairfield	4.15	4.77	2.65	3.29	7.69
Liverpool	5.74	6.19	5.65	7.65	6.58
Campbelltown	3.84	2.97	4.47	3.09	5.26
Bankstown–Lidcombe	2.85	4.20	2.33	5.63	5.23
Bowral	2.76	4.42	3.28	0.00	5.88
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	4.12	4.55	3.90	4.80	6.14
South Eastern Sydney					
St. George	8.21	7.98	9.59	7.87	11.01
Sutherland	3.54	4.58	4.18	5.13	8.61
Royal Hospital for Women	6.76	7.33	7.19	8.19	5.66
TOTAL	6.68	7.01	7.50	7.55	7.89
Illawarra Shoalhaven					
Shoalhaven	2.27	1.27	1.83	2.84	2.19
Wollongong	1.99	3.27	4.12	5.85	7.57
Other hospitals	0.00	15.79	0.00	0.00	0.00
TOTAL	1.99	3.15	3.43	5.00	5.89
Western Sydney					
Auburn	5.79	1.90	6.31	4.98	5.03
Blacktown	7.28	8.87	5.85	6.64	4.93
Westmead	5.86	3.73	5.88	6.47	5.92
TOTAL	6.30	5.12	5.93	6.25	5.50
Nepean Blue Mountains					
Blue Mountains	5.71	3.23	18.18	2.50	10.20
Nepean	3.69	5.33	4.49	4.60	6.62
Hawkesbury	1.54	2.48	3.68	4.70	6.40
Other hospitals	2.50	0.00	0.00	3.57	0.00
TOTAL	3.38	4.56	4.77	4.49	6.54
Northern Sydney					
Hornsby	8.92	5.39	5.65	5.96	7.49
Manly	2.90	2.88	5.35	4.94	1.98
Royal North Shore	10.04	10.50	9.58	10.60	9.51
Other hospitals	3.74	4.95	2.86	3.23	2.63
TOTAL Central Coast	7.30	6.94	7.36	7.79	6.78
Gosford	6.31	7.04	9.51	7.29	7.19
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	5.97	6.45	9.02	6.84	6.69
Hunter New England	3.37	0.43	3.02	0.04	0.03
Armidale	3.30	0.00	0.00	0.00	2.02
Inverell	0.00	0.00	0.00	0.00	2.56
Moree	2.86	3.23	4.55	14.29	6.38
Tamworth Base	6.35	4.60	5.19	5.45	3.97
Manning Base	1.72	2.46	2.44	3.88	6.25
Maitland	10.31	10.04	7.56	10.00	7.33
Muswellbrook	8.11	2.78	2.86	2.78	0.00
John Hunter	10.14	7.80	10.07	8.42	8.09
Other hospitals	4.26	2.03	1.89	5.11	5.75
TOTAL	7.86	6.23	6.88	7.27	6.56

Land Harlet Birding Harrist	2008	2009	2010	2011	201
Local Health District-Hospital	%	%	%	%	
Northern NSW					
Grafton Base	1.23	4.49	2.78	4.40	2.6
Lismore Base	3.36	3.38	4.82	1.92	2.9
Tweed Heads	5.65	7.05	3.80	6.52	4.2
Other hospitals	2.99	1.20	1.45	1.41	2.0
TOTAL	3.98	5.01	3.80	4.26	3.4
Mid North Coast					
Coffs Harbour	3.76	7.14	4.29	3.67	6.
Kempsey	0.00	0.00	3.70	1.89	0.0
Port Macquarie Base	4.82	4.83	5.19	7.32	9.8
Other hospitals	0.00	0.00	0.00	0.00	0.0
ГОТАL	3.70	5.41	4.50	4.72	6.8
Southern NSW					
Bega	0.00	2.27	5.26	1.69	5.4
Goulburn Base	6.78	8.00	3.39	3.23	1.5
Moruya	3.57	1.72	1.49	5.56	12.
Queanbeyan	2.99	3.85	3.30	3.06	0.0
Other hospitals	1.64	5.13	0.00	6.45	6.4
ГОТАL	3.19	4.09	2.97	3.62	4.
Murrumbidgee					
Griffith Base	1.30	6.41	1.00	2.30	2.8
Wagga Wagga Base	3.31	4.00	1.75	2.61	8.8
Other hospitals	4.13	0.87	1.57	0.81	4.4
TOTAL	3.13	3.46	1.47	1.85	5.3
Western NSW					
Dubbo Base	4.79	4.80	2.42	3.11	4.6
Mudgee	4.84	4.44	2.33	2.50	1.4
Bathurst Base	6.84	5.98	3.00	3.19	9.6
Orange Base	7.74	8.27	9.32	12.50	10.
Other hospitals	9.68	6.06	12.36	6.17	5.3
ГОТАL	6.69	5.93	5.62	6.17	7.0
Far West					
Broken Hill Base	2.22	2.33	6.06	0.00	0.0
TOTAL	2.22	2.33	6.06	0.00	0.0
Private Hospitals					
Mater, North Sydney	3.93	4.09	1.99	2.86	2
North Shore Private	0.84	2.25	1.35	1.90	1.
Sydney Adventist	1.59	2.16	1.45	1.26	0.4
North Gosford Private	0.00	2.44	2.96	4.64	2.3
Hurstville Community	3.05	4.17	2.67	2.11	2.
Kareena Private	0.85	3.08	2.80	1.41	1.2
St. George Private	3.11	4.61	3.69	1.63	2.6
Prince of Wales Private	1.93	1.19	1.56	0.90	0.8
Norwest Private	3.74	3.53	3.51	3.37	2.2
Sydney Southwest Private	1.93	1.60	3.70	3.11	3.0
Nepean Private	2.63	1.52	3.28	5.29	1.9
Nestmead Private	0.57	0.17	0.40	1.00	0.4
igtree Private	1.02	0.51	0.98	1.58	0.9
Newcastle Private	2.72	1.97	3.34	2.11	3.
Calvary, Wagga Wagga	4.50	7.81	9.09	10.91	5.8
Other hospitals	0.00	3.70	2.70	2.38	2.0
·					1.7
TOTAL	2.09	2.43	2.37	2.34	

Source: NSW Perinatal Data Collection (SAPHaRI).
Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Hospitals with more than 200 births in 2012 are identified individually.
\* Total NSW includes births at home assisted by independent midwives.

Definition: Total number of selected primipara undergoing surgical repair of the perineum for fourth degree tear as a percentage of the total number of selected primipara delivering vaginally.

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37° to 41° weeks gestation.

Table 68 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 68: 3.6 SELECTED PRIMIPARA UNDERGOING SURGICAL REPAIR OF THE PERINEUM FOR FOURTH DEGREE TEAR BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012#

Land Harlet Bioteint Hamital	2008	2009	2010	2011	2012
Local Health District–Hospital	%	%	%	%	%
Sydney					
Canterbury	1.23	0.00	1.26	0.75	0.24
Royal Prince Alfred	0.07	0.23	0.14	0.26	0.50
TOTAL	0.34	0.17	0.37	0.36	0.45
South Western Sydney					
Fairfield	0.00	0.19	0.41	0.58	0.70
Liverpool	0.48	0.84	0.58	0.29	0.42
Campbelltown	0.35	0.00	0.16	0.29	0.28
Bankstown-Lidcombe	0.19	0.36	0.18	0.34	0.51
Bowral	0.69	0.00	0.00	0.00	0.00
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	0.30	0.35	0.32	0.35	0.44
South Eastern Sydney					
St. George	0.47	0.78	0.56	0.00	0.39
Sutherland	0.29	0.00	0.00	0.26	0.28
Royal Hospital for Women	0.39	0.20	0.42	0.18	0.84
TOTAL	0.40	0.34	0.39	0.14	0.61
Illawarra Shoalhaven Shoalhaven	0.00	0.63	0.00	0.00	1.09
Wollongong	0.20	0.03	0.00	0.78	0.20
Other hospitals	5.26	0.00	0.00	0.00	0.00
TOTAL	0.31	0.45	0.00	0.59	0.43
Western Sydney					
Auburn	0.00	1.27	0.30	0.00	0.23
Blacktown	0.15	0.14	0.29	0.17	0.45
Westmead	0.18	0.69	0.24	0.45	0.22
TOTAL	0.15	0.60	0.27	0.30	0.28
Nepean Blue Mountains					
Blue Mountains	0.00	0.00	0.00	0.00	0.00
Nepean	0.48	0.48	0.45	0.32	0.87
Hawkesbury	0.00	0.00	0.00	0.00	0.00
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL Northern Sydney	0.36	0.36	0.35	0.24	0.64
Northern Sydney Hornsby	0.00	0.00	1.06	0.35	0.90
Manly	0.41	0.72	0.00	0.29	0.28
Royal North Shore	0.64	0.20	0.70	0.51	0.77
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	0.34	0.25	0.58	0.40	0.64
Central Coast					
Gosford	0.47	0.00	0.63	0.63	0.80
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	0.44	0.00	0.60	0.59	0.74
Hunter New England					
Armidale	0.00	0.00	0.00	0.00	0.00
Inverell	0.00	0.00	0.00	0.00	0.00
Moree	0.00	0.00	2.27	0.00	0.00
Tamworth Base Manning Base	0.00	1.15	1.30	0.00 0.78	0.00
Maitland	0.00	0.00 0.36	0.00	1.00	0.00
Muswellbrook	0.00	0.00	0.00	0.00	0.29
John Hunter	0.00	0.67	0.52	0.37	0.36
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	0.06	0.49	0.42	0.41	0.21

	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Northern NSW					
Grafton Base	0.00	0.00	0.00	0.00	0.00
Lismore Base	0.42	0.42	0.44	0.00	0.00
Tweed Heads	0.00	0.00	0.76	0.85	0.24
Other hospitals	0.00	0.00	0.00	1.41	0.00
TOTAL	0.13	0.13	0.52	0.52	0.12
Mid North Coast					
Coffs Harbour	0.00	0.48	0.00	0.00	0.48
Kempsey	0.00	0.00	0.00	0.00	0.00
Port Macquarie Base	0.00	0.69	0.00	0.61	0.65
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	0.49	0.00	0.22	0.49
Southern NSW					
Bega	0.00	0.00	1.75	0.00	0.00
Goulburn Base	0.00	0.00	0.00	0.00	0.00
Moruya	0.00	0.00	1.49	0.00	0.00
Queanbeyan	1.49	0.00	1.10	0.00	0.85
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	0.35	0.00	0.00	0.00	0.32
	0.55	0.00	0.55	0.00	0.32
Murrumbidgee	0.00	0.00	0.00	1 1 5	0.00
Griffith Base	0.00	0.00	0.00	1.15	0.00
Wagga Wagga Base	0.83	0.00	0.00	0.87	0.74
Other hospitals	0.00	0.87	0.00	0.00	1.12
TOTAL	0.31	0.31	0.00	0.62	0.60
Western NSW					
Dubbo Base	0.00	0.00	0.40	0.44	0.00
Mudgee	1.61	0.00	0.00	0.00	1.47
Bathurst Base	0.00	0.00	0.00	0.00	0.96
Orange Base	0.00	0.00	0.62	0.57	0.00
Other hospitals	0.00	0.00	1.12	1.23	1.08
TOTAL	0.16	0.00	0.47	0.49	0.47
Far West					
Broken Hill Base	0.00	0.00	0.00	0.00	0.00
TOTAL	0.00	0.00	0.00	0.00	0.00
Private Hospitals					
Mater, North Sydney	0.00	0.23	0.22	0.86	0.23
North Shore Private	0.00	0.45	0.00	0.00	0.00
Sydney Adventist	0.23	0.22	0.24	0.25	0.23
North Gosford Private	0.00	0.00	0.74	0.00	0.00
Hurstville Community	0.00	0.00	0.89	0.00	1.08
Kareena Private	0.00	0.00	0.00	0.00	0.00
St. George Private	0.78	0.58	0.31	0.00	0.00
Prince of Wales Private	0.00	0.00	0.00	0.68	0.22
Norwest Private	0.00	0.39	0.00	0.24	0.00
Sydney Southwest Private	0.77	0.00	0.00	0.44	0.00
Nepean Private	0.00	0.00	0.55	0.00	0.66
Westmead Private	0.00	0.00	0.40	0.20	0.00
Figtree Private	0.00	0.00	0.00	0.20	0.00
Newcastle Private	0.00	1.23			0.00
			0.28	1.17	
Calvary, Wagga Wagga	0.90	3.13	4.55	2.73	0.00
Other beenitel:	0.00	1 0 5		0.00	0.00
Other hospitals TOTAL	0.00 <b>0.17</b>	1.85 <b>0.39</b>	0.00 <b>0.33</b>	0.00 <b>0.40</b>	0.00 <b>0.15</b>

TOTAL NSW

Source: NSW Perinatal Data Collection (SAPHARI).

Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually.

\* Total NSW includes births at home assisted by independent midwives.

### General anaesthesia for caesarean section

#### Indicator 4.1

Definition: Total number of women having a general anaesthetic for a caesarean section as a percentage of women having a caesarean section.

Table 69 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 69: 4.1 GENERAL ANAESTHESIA FOR CAESAREAN SECTION BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008–2012#

Local Hankle District Hagnital	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	14.09	14.06	11.75	7.69	11.86
Royal Prince Alfred	12.19	11.89	15.19	12.47	10.43
TOTAL	12.53	12.36	14.46	11.56	10.77
South Western Sydney					
Fairfield	43.49	36.19	26.90	25.08	21.91
Liverpool	20.22	18.22	16.52	16.76	18.06
Campbelltown	12.82	16.10	14.24	10.77	11.25
Bankstown–Lidcombe	20.09	15.30	17.18	16.67	17.69
Bowral	14.71	9.35	19.05	13.51	10.20
TOTAL	21.72	19.27	17.66	15.98	16.43
South Eastern Sydney					
St. George	8.29	8.59	9.46	9.40	8.87
Sutherland	8.33	10.11	10.11	10.62	11.58
Royal Hospital for Women	4.61	4.73	3.22	3.77	4.42
TOTAL	6.05	6.49	5.95	6.29	6.83
Illawarra Shoalhaven					
Shoalhaven	6.93	8.21	9.15	9.44	6.10
Wollongong	9.75	10.59	10.63	10.00	8.26
Other hospitals	8.70	8.33	6.25	0.00	3.85
TOTAL	8.78	9.78	10.06	9.52	7.50
Western Sydney	10.40	45.24	12.45	12.01	10.57
Auburn Blacktown	19.48 18.88	15.21	13.45	13.81	10.57
Westmead	18.31	13.03 14.69	15.04	15.33 9.85	10.43
TOTAL	18.62	14.09 14.19	11.50 <b>12.85</b>	9.85 <b>12.07</b>	11.40
Nepean Blue Mountains	10.02	14.15	12.03	12.07	11.00
Blue Mountains	5.08	10.67	13.33	8.33	9.62
Nepean	20.32	19.98	18.26	13.98	18.36
Hawkesbury	11.59	14.39	15.58	10.12	8.49
Other hospitals	7.59	3.33	1.59	14.71	4.08
TOTAL	17.69	17.81	16.86	13.11	16.00
Northern Sydney					
Hornsby	8.11	7.35	8.86	5.67	5.88
Manly	7.78	6.13	7.22	4.67	4.21
Royal North Shore	8.43	8.90	8.53	7.35	5.14
Other hospitals	6.64	6.90	0.00	0.00	1.85
TOTAL	8.00	7.84	8.31	6.45	5.03
Central Coast					
Gosford	13.88	11.06	12.49	10.67	7.78
Other hospitals	100.00	100.00	0.00	0.00	0.00
TOTAL	13.98	11.16	12.49	10.67	7.78
Hunter New England Armidale	8.47	10.19	6.31	7.94	9.33
Inverell	1.96	1.25	4.35	0.00	3.37
Moree	11.32	10.00	17.02	15.22	14.29
Tamworth Base	17.67	16.04	10.04	11.37	10.37
Manning Base	19.32	22.11	20.71	11.48	15.66
Maitland	14.53	12.27	10.88	15.58	13.46
Muswellbrook	8.82	20.00	6.90	9.62	0.00
John Hunter	17.83	19.27	17.95	14.93	16.55
Other hospitals	29.20	30.19	23.40	27.20	27.46
TOTAL	16.43	17.41	15.02	14.12	14.74

STRICT AND HOSPITAL, NSW					
Local Health District–Hospital	2008	2009	2010	2011	2012
	%	%	%	%	%
Northern NSW					
Grafton Base	29.25	15.83	12.88	8.11	10.61
Lismore Base	6.49	6.43	6.70	8.33	5.33
Tweed Heads	10.76	10.31	7.74	10.20	12.11
Other hospitals	8.33	3.70	2.04	6.56	1.30
TOTAL	11.51	9.19	7.77	8.85	8.49
Mid North Coast					
Coffs Harbour	14.92	9.12	14.42	8.91	10.06
Kempsey	10.45	16.33	6.67	9.09	3.33
Port Macquarie Base	8.00	10.20	11.71	7.66	6.79
TOTAL	11.75	10.14	12.65	8.47	8.27
Southern NSW					
Bega	8.33	15.09	13.56	3.23	9.09
Goulburn Base	37.04	24.36	14.10	13.58	12.50
Moruya	18.68	17.20	16.28	9.88	5.68
Queanbeyan	18.18	16.36	13.43	11.84	8.91
Other hospitals	9.23	4.88	10.81	10.00	8.00
TOTAL	19.76	16.88	14.07	10.00	8.83
Murrumbidgee					
Griffith Base	18.42	12.15	8.73	11.67	10.12
Wagga Wagga Base	13.40	5.68	6.45	7.58	11.57
Other hospitals	7.01	10.95	10.88	5.95	5.77
TOTAL	11.92	8.94	8.47	7.95	9.54
Western NSW					
Dubbo Base	24.08	20.77	23.78	22.67	17.91
Mudgee	15.00	10.42	12.31	9.52	5.08
Bathurst Base	12.27	14.97	13.25	9.23	9.47
Orange Base	12.75	16.96	13.71	14.08	16.78
Other hospitals	23.44	24.63	14.81	20.59	19.01
TOTAL	18.09	18.55	16.95	16.72	15.46
Far West					
Broken Hill Base	11.49	13.10	13.33	16.67	12.50
TOTAL	11.49	13.10	13.33	16.67	12.50
Private Hospitals					
Mater, North Sydney	3.36	2.85	2.57	2.79	2.44
North Shore Private	3.62	2.73	3.16	2.68	1.89
Sydney Adventist	6.77	3.77	4.37	3.66	3.71
North Gosford Private	5.29	18.88	19.83	3.41	2.17
Hurstville Community	3.51	3.90	4.19	6.00	3.92
Kareena Private	1.77	2.60	3.15	3.49	2.76
St. George Private	5.11	4.87	4.49	4.91	4.07
Prince of Wales Private	3.28	25.46	29.95	0.88	1.00
Norwest Private	10.25	12.57	20.07	7.96	6.73
Sydney Southwest Private	5.62	4.53	5.67	7.00	3.80
Nepean Private	6.07	6.11	5.45	5.17	7.46
Westmead Private	6.60	6.30	6.35	6.83	2.03
Figtree Private	2.56	5.29	4.35	2.83	4.51
Newcastle Private	4.46	3.03	4.63	3.18	1.48
Calvary, Wagga Wagga	3.53	5.02	5.14	6.19	2.95
Other hospitals	9.62	10.34	8.89	9.73	4.21
TOTAL	4.76	7.49	8.89	4.06	2.97
TOTAL NSW*  Source: NSW Perinatal Data Collection	11.19	11.40	11.47	9.03	8.45

Source: NSW Perinatal Data Collection (SAPHaRI).
Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Hospitals with more than 200 births in 2012 are identified individually.
\* Total NSW includes births at home assisted by independent midwives.

## Postpartum haemorrhage and blood transfusion

#### Indicator 7.1

Definition: Total number of women who give birth vaginally who receive a blood transfusion during the same admission as a percentage of women who give birth vaginally.

Table 70 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 70: 7.1 POSTPARTUM HAEMORRHAGE AND BLOOD TRANSFUSION FOLLOWING VAGINAL BIRTH BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012#

	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	0.08	0.24	0.24	1.36	1.23
Royal Prince Alfred	0.11	0.17	0.11	0.91	0.79
TOTAL	0.10	0.19	0.15	1.03	0.90
South Western Sydney					
Fairfield	0.49	0.39	0.13	1.26	0.43
Liverpool	0.43	0.26	0.19	0.82	0.78
Campbelltown	0.19	0.25	0.05	0.95	0.71
Bankstown–Lidcombe	0.91	0.58	0.24	1.05	0.86
Bowral	0.19	0.94	0.43	0.51	0.55
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	0.47	0.39	0.23	0.97	0.70
South Eastern Sydney					
St. George	0.33	0.32	1.45	1.40	1.64
Sutherland	0.32	0.40	1.12	1.22	0.89
Royal Hospital for Women	0.74	0.79	2.16	2.22	1.83
TOTAL	0.54	0.56	1.73	1.78	1.61
Illawarra Shoalhaven					
Shoalhaven	0.36	0.33	1.50	2.16	1.98
Wollongong	0.37	0.67	2.06	1.23	0.98
Other hospitals	0.00	0.00	3.92	0.00	2.11
TOTAL	0.35	0.57	2.00	1.40	1.27
Western Sydney Auburn	0.25	0.74	1 22	1.50	0.68
Blacktown	0.35 0.45	0.74 0.38	1.33 1.50	1.59 1.86	0.68
Westmead	0.43	0.34	1.36	1.64	1.64
TOTAL	0.45	0.42	1.40	1.70	1.32
Nepean Blue Mountains	0	···-			
Blue Mountains	0.00	1.76	0.66	0.00	1.20
Nepean	0.44	0.44	1.67	1.21	1.32
Hawkesbury	0.17	0.51	1.16	0.91	1.01
Other hospitals	1.96	3.88	1.65	7.03	6.25
TOTAL	0.45	0.65	1.54	1.33	1.47
Northern Sydney					
Hornsby	0.11	1.30	1.20	1.53	1.19
Manly	0.29	0.74	1.29	1.70	1.03
Royal North Shore	0.39	0.61	0.99	1.96	0.98
Other hospitals	0.51	0.00	0.00	0.00	0.41
TOTAL	0.32	0.75	1.10	1.71	1.01
Central Coast	0.45	0.40	1.22	1.10	0.03
Gosford Other hospitals	0.45	0.49	1.33	1.18	0.93
TOTAL	0.68 <b>0.47</b>	0.43 <b>0.48</b>	1.14 <b>1.31</b>	0.60 <b>1.13</b>	0.57 <b>0.89</b>
Hunter New England	0.47	0.40	1.31	1.13	0.03
Armidale	1.77	0.30	1.27	1.32	1.60
Inverell	1.89	0.57	2.94	1.04	1.16
Moree	1.97	0.67	2.27	1.79	0.58
Tamworth Base	1.50	0.80	2.06	1.71	1.39
Manning Base	0.92	0.72	0.38	2.68	1.36
Maitland	0.34	0.09	1.27	1.24	2.12
Muswellbrook	0.61	0.00	0.00	0.00	0.00
John Hunter	0.38	0.54	1.87	2.02	1.82
Other hospitals	0.60	0.67	0.78	1.13	1.57
TOTAL	0.68	0.50	1.51	1.70	1.66

	2008	2009	2010	2011	2012
Local Health District–Hospital	%	%	%	%	%
Northern NSW					
Grafton Base	2.45	3.68	1.80	2.82	0.96
Lismore Base	2.42	3.28	3.12	1.69	0.98
Tweed Heads	2.65	3.43	2.68	1.82	1.39
Other hospitals	1.88	1.99	2.23	0.66	0.91
TOTAL	2.41	3.23	2.67	1.77	1.15
Mid North Coast					
Coffs Harbour	3.00	2.07	1.19	1.82	2.09
Kempsey	1.66	3.11	2.47	1.23	2.97
Port Macquarie Base	2.11	2.21	3.25	0.68	2.60
Other hospitals	2.38	3.92	1.82	0.00	1.64
TOTAL	2.46	2.34	2.15	1.27	2.38
Southern NSW					
Bega	7.10	3.95	2.25	0.53	1.80
Goulburn Base	3.24	2.68	3.35	1.30	0.80
Moruya	4.01	3.88	1.57	3.13	3.32
Queanbeyan	3.51	5.91	6.27	1.03	3.36
Other hospitals	3.57	4.58	2.10	3.57	2.42
TOTAL	4.10	4.22	3.27	1.77	2.44
Murrumbidgee					
Griffith Base	4.90	7.26	2.70	2.33	0.85
Wagga Wagga Base	3.17	1.52	1.51	0.99	1.22
Other hospitals	2.32	3.93	3.49	6.24	5.34
TOTAL	3.18	3.75	2.63	3.33	2.60
Western NSW					
Dubbo Base	2.93	2.19	0.87	1.01	1.33
Mudgee	1.10	3.35	1.17	1.18	1.98
Bathurst Base	4.45	4.58	1.63	2.80	2.80
Orange Base	3.92	1.84	0.82	1.37	2.03
Other hospitals	3.34	3.42	2.12	2.60	2.63
TOTAL	3.38	2.77	1.20	1.64	2.00
Far West Broken Hill Base	7 52	4 5 5	2.42	1.32	2.87
TOTAL	7.53 <b>7.53</b>	4.55 <b>4.55</b>	2.42 <b>2.42</b>	1.32 1.32	2.87 <b>2.87</b>
Private Hospitals	7.55	4.55	2.42	1.32	2.07
Mater, North Sydney	2.74	1.92	1.27	1.34	2.04
North Shore Private	0.14	0.21	0.21	0.30	0.55
Sydney Adventist	3.22	3.65	3.09	2.98	1.71
North Gosford Private	1.85	2.70	1.75	3.82	3.48
Hurstville Community	1.49	1.63	2.30	1.61	2.00
Kareena Private	1.74	0.53	0.29	0.72	0.24
St. George Private	0.27	0.70	0.22	0.11	0.32
Prince of Wales Private	2.52	2.12	1.75	1.79	1.73
Norwest Private	1.10	1.36	1.79	1.39	2.21
Sydney Southwest Private	1.84	0.69	1.24	0.96	1.60
Nepean Private	3.28	1.40	0.92	1.69	2.15
Westmead Private	0.43	0.46	0.46	0.45	0.39
Figtree Private	1.28	0.16	0.31	0.34	0.00
Newcastle Private	0.25	0.33	0.17	0.17	0.24
Calvary, Wagga Wagga	2.17	1.55	2.11	1.35	0.70
Other hospitals	2.00	0.00	2.50	0.72	0.92
TOTAL	1.50	1.29	1.19	1.17	1.25
TOTAL NSW*	1.05	1.04	1.30	1.44	1.33
Source: NSW Perinatal Data Collection	on (CADHaDI)				

Source: NSW Perinatal Data Collection (SAFrianti).

Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually.

\* Total NSW includes births at home assisted by independent midwives.

Definition: Total number of women who undergo caesarean section who receive a blood transfusion during the same admission as a percentage of women who undergo caesarean section.

Table 71 shows information for hospitals where at least 200 mothers gave birth in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 71: 7.2 POSTPARTUM HAEMORRHAGE AND BLOOD TRANSFUSION FOLLOWING CAESAREAN SECTION BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012#

	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	0.00	0.00	0.00	0.96	1.02
Royal Prince Alfred	0.24	0.06	0.12	0.45	0.83
TOTAL	0.20	0.05	0.10	0.55	0.88
South Western Sydney	<b></b>			0.55	0.00
	0.20	0.55	0.50	0.61	0.77
Fairfield	0.28	0.55	0.58	0.61	0.77
Liverpool	0.14	0.78	0.29	1.46	1.16
Campbelltown	0.00	0.30	0.15	0.73	0.76
Bankstown–Lidcombe	0.70	0.67	0.44	1.13	0.80
Bowral	0.74	0.00	0.95	0.00	0.00
TOTAL	0.27	0.54	0.35	0.99	0.87
South Eastern Sydney					
St. George	1.46	0.81	3.31	1.54	0.72
Sutherland	0.44	0.72	1.44	1.10	1.40
Royal Hospital for Women	0.98	0.99	2.09	2.68	1.90
TOTAL	1.06	0.91	2.37	2.14	1.45
Illawarra Shoalhaven					
Shoalhaven	1.82	0.75	3.17	2.45	3.25
Wollongong	0.96	0.93	2.16	1.55	1.55
Other hospitals	8.70	8.33	0.00	3.70	0.00
TOTAL	1.46	0.98	2.46	1.90	1.99
Western Sydney					
Auburn	0.43	1.90	1.45	1.80	3.40
Blacktown	1.06	0.85	1.36	1.24	1.47
Westmead	0.69	0.97	1.59	1.85	2.82
TOTAL	0.79	1.03	1.50	1.65	2.44
Nepean Blue Mountains	1.60	1.22	1.67	0.00	1.00
Blue Mountains	1.69	1.33	1.67	0.00	1.92
Nepean	0.53	0.93	1.65	2.13	2.23
Hawkesbury	0.43	0.74	1.81	1.84	2.58
Other hospitals	0.00	3.33	3.17	2.94	2.04
TOTAL	0.53	1.02	1.75	2.05	2.28
Northern Sydney	0.74	1.02	2.77	2.55	1.60
Hornsby	0.74	1.92	2.77	2.55	1.68
Manly	0.00	1.23	1.67	3.12 2.66	0.70 1.71
Royal North Shore	1.45 0.95	1.20 2.30	2.01 0.00	0.00	3.70
Other hospitals  TOTAL	0.95	1.42	2.11	2.73	1.59
Central Coast	0.90	1.42	2.11	2./3	1.59
Gosford	0.24	1.41	2.14	1.65	1.98
Other hospitals	0.24	0.00	0.00	0.00	0.00
TOTAL	0.00 <b>0.24</b>	0.00 <b>1.41</b>	2.14	1.65	1.98
Hunter New England	0.24	1.41	2.14	1.05	1.50
Armidale	1.69	1.85	1.80	0.79	0.67
Inverell	0.98	0.00	1.80	2.11	5.62
Moree	3.77	0.00	2.13	2.17	2.38
Tamworth Base	1.72	0.00	1.75	1.90	2.49
Manning Base	1.14	1.51	2.53	1.64	1.20
Maitland	0.00	1.14	1.23	2.30	2.90
Muswellbrook	0.00	0.00	0.00	0.00	0.00
John Hunter	0.00	0.00	3.01	2.47	4.20
Other hospitals	0.48	3.14	0.71	3.20	4.20
•	0.73 <b>0.77</b>			3.20 <b>2.21</b>	4.93 <b>3.38</b>
TOTAL	0.77	1.06	2.15	2.21	3.38

Local Health District-Hospital	2008	2009	2010	2011	2012
N. d. New	%	%	%	%	%
Northern NSW	2.72	0.72	2.27	0.00	6.00
Grafton Base	2.72	0.72	2.27	0.90	6.82
Lismore Base	2.64	0.80	1.12	1.11	0.94
Tweed Heads	0.69	1.39	4.95	1.64	1.41
Other hospitals	0.00	1.85	0.00	1.64	0.00
TOTAL	1.80	1.08	2.67	1.32	1.93
Mid North Coast					
Coffs Harbour	3.05	1.95	2.56	1.95	0.86
Kempsey	0.00	2.04	5.00	1.82	5.00
Port Macquarie Base	1.78	1.53	1.95	2.55	1.36
TOTAL	2.21	1.81	2.60	2.16	1.43
Southern NSW					
Bega	6.25	0.00	0.00	0.00	4.55
Goulburn Base	1.23	2.56	0.00	0.00	3.75
Moruya	3.30	4.30	1.16	3.70	5.68
Queanbeyan	6.82	10.91	2.99	5.26	5.94
Other hospitals	3.08	0.00	2.70	0.00	2.00
TOTAL	3.65	3.75	1.22	2.06	4.68
Murrumbidgee					
Griffith Base	1.75	5.61	3.97	3.33	2.38
Wagga Wagga Base	3.35	3.49	0.81	1.01	0.83
Other hospitals	4.21	7.96	1.04	4.86	5.13
TOTAL	3.35	5.59	1.59	2.98	2.47
Western NSW			'		
Dubbo Base	1.34	0.35	1.40	0.67	4.18
Mudgee	0.00	8.33	1.54	1.59	0.00
Bathurst Base	2.45	4.79	1.20	3.08	4.14
Orange Base	1.59	0.69	1.21	2.11	1.75
Other hospitals	3.13	2.99	1.85	2.94	2.48
TOTAL	1.78	2.06	1.37	1.82	2.99
Far West					
Broken Hill Base	3.45	2.38	0.00	1.52	3.75
TOTAL	3.45	2.38	0.00	1.52	3.75
Private Hospitals					
Mater, North Sydney	0.64	1.26	1.15	0.87	0.93
North Shore Private	0.08	0.34	0.24	0.08	0.00
Sydney Adventist	0.62	0.13	0.53	0.65	0.37
North Gosford Private	0.69	0.00	1.10	1.57	1.63
Hurstville Community	0.27	0.24	0.79	1.25	1.31
Kareena Private	0.71	0.32	0.70	2.03	0.83
St. George Private	0.39	0.24	0.40	0.42	0.38
Prince of Wales Private	2.95	1.01	1.03	1.15	1.28
Norwest Private	1.11	0.29	0.74	0.35	1.02
Sydney Southwest Private	0.84	0.60	0.74	0.33	1.36
Nepean Private	0.96	2.22	0.30	0.29	1.10
Westmead Private	0.96	0.71	0.30	0.37	0.21
Figtree Private	1.92	0.50	1.02	1.03	1.43
Newcastle Private	0.15	0.00	0.42	0.00	0.12
Calvary, Wagga Wagga	0.78	2.51	2.80	2.38	0.84
Other hospitals	0.96	0.86	3.33	1.77	1.05
TOTAL NISME	0.78	0.64	0.71	0.71	0.74
TOTAL NSW*  Source: NSW Perinatal Data Collecti	0.91	0.99	1.31	1.42	1.58

Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Hospitals with more than 200 births in 2012 are identified individually.
\* Total NSW includes births at home assisted by independent midwives.

## Intrauterine growth restriction

#### Indicator 8.1

Definition: Total number of deliveries with birth weight less than 2750 grams at 40° weeks gestation or beyond as a percentage of the total number of deliveries at 40° weeks gestation or beyond.

Table 72 shows information for hospitals where at least 200 babies were born in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 72: 8.1 INTRAUTERINE GROWTH RESTRICTION AT 40 WEEKS GESTATION OR MORE BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008–2012

Land Harlib Birthing Harrist	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Sydney					
Canterbury	2.21	2.04	2.64	3.42	1.86
Royal Prince Alfred	1.75	1.38	1.38	1.22	1.39
TOTAL	1.86	1.55	1.69	1.75	1.50
South Western Sydney					
Fairfield	2.89	2.12	2.31	1.52	1.82
Liverpool	2.33	2.20	3.27	2.23	2.57
Campbelltown	1.14	1.41	1.10	1.60	1.15
Bankstown–Lidcombe	1.11	2.70	2.13	2.48	2.41
Bowral	1.36	1.67	1.99	1.95	1.40
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	1.79	2.04	2.20	1.98	1.95
South Eastern Sydney					
St. George	2.06	2.01	2.17	2.33	2.75
Sutherland	1.11	0.83	0.71	1.27	2.62
Royal Hospital for Women	0.78	1.45	1.61	1.83	1.23
TOTAL	1.24	1.51	1.64	1.89	1.97
Illawarra Shoalhaven					
Shoalhaven	1.83	1.01	1.87	1.49	1.58
Wollongong	1.81	1.12	1.26	1.05	0.83
Other hospitals	0.00	0.00	1.64	1.72	0.00
TOTAL	1.76	1.04	1.45	1.20	1.01
Western Sydney					
Auburn	1.90	2.04	1.30	1.67	2.09
Blacktown	2.06	1.80	2.16	2.11	1.60
Westmead	3.57	2.75	1.87	2.76	2.51
TOTAL	2.75	2.30	1.88	2.38	2.14
Nepean Blue Mountains					
Blue Mountains	1.85	0.88	0.92	1.85	0.00
Nepean	1.61	1.34	1.32	1.93	0.66
Hawkesbury	0.85	1.10	1.78	2.07	1.02
Other hospitals	2.35	5.80	2.99	5.33	3.33
TOTAL	1.52	1.42	1.43	2.08	0.78
Northern Sydney	0.67	0.00	2.40	4.04	2.00
Hornsby	0.67	0.80	2.18	1.81	2.08
Manly  Royal North Shore	0.42 2.38	0.51 1.73	1.32 1.42	0.65 2.23	1.01 2.14
Royal North Shore Other hospitals	0.80	0.46	1.42	0.00	1.91
TOTAL	1.25	1.06	1.57	1.63	1.82
Central Coast	1.23	1.00	1.50	1.05	1.02
Gosford	0.85	1.00	1.02	1.12	1.15
Other hospitals	0.00	1.34	0.00	1.18	0.00
TOTAL	0.79	1.04	0.94	1.12	1.06
Hunter New England					
Armidale	0.97	2.35	3.91	0.50	3.19
Inverell	1.45	5.08	3.23	4.29	1.52
Moree	3.66	0.00	0.94	3.30	3.88
Tamworth Base	2.23	2.71	2.59	3.35	3.08
Manning Base	3.08	2.48	2.20	1.63	1.27
Maitland	2.37	1.62	1.67	1.15	1.85
Muswellbrook	0.00	0.00	3.85	0.87	0.93
John Hunter	2.19	1.77	1.27	1.46	1.86
Other hospitals	1.17	1.97	1.70	2.12	2.00
TOTAL	2.06	1.90	1.80	1.69	2.02

ORE BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008–2012#						
	2008	2009	2010	2011	2012	
Local Health District-Hospital	%	%	%	%	%	
Northern NSW						
Grafton Base	1.97	1.19	1.75	1.76	1.04	
Lismore Base	1.41	1.39	0.78	2.00	0.99	
Tweed Heads	1.38	1.51	1.75	1.20	1.56	
Other hospitals	2.12	2.77	1.70	2.42	0.46	
TOTAL	1.61	1.58	1.42	1.68	1.18	
Mid North Coast						
Coffs Harbour	1.56	0.89	1.54	1.01	1.34	
Kempsey	2.27	2.63	1.97	0.79	1.87	
Port Macquarie Base	2.84	2.12	1.88	1.36	0.93	
Other hospitals	0.00	3.13	5.13	3.45	0.00	
TOTAL	2.04	1.63	1.86	1.18	1.21	
Southern NSW						
Bega	2.56	0.64	3.08	2.21	1.01	
Goulburn Base	5.88	1.79	3.28	0.62	1.71	
Moruya	3.24	2.96	1.55	2.47	2.78	
Queanbeyan	2.61	2.66	2.46	0.51	0.43	
Other hospitals	2.82	2.73	4.21	3.26	0.00	
TOTAL	3.58	2.15	2.73	1.60	1.29	
Murrumbidgee						
Griffith Base	1.35	2.29	1.94	1.09	1.93	
Wagga Wagga Base	1.41	1.65	2.88	2.81	2.16	
Other hospitals	2.39	1.71	1.62	1.48	2.04	
TOTAL	1.83	1.81	2.07	1.83	2.05	
Western NSW						
Dubbo Base	2.28	2.31	2.65	1.06	2.94	
Mudgee	3.36	1.47	0.88	2.94	0.74	
Bathurst Base	4.82	2.73	1.57	2.69	2.58	
Orange Base	1.09	2.10	3.13	1.17	3.26	
Other hospitals	1.55	3.90	1.89	1.86	2.25	
TOTAL	2.47	2.56	2.28	1.65	2.63	
Far West						
Broken Hill Base	4.69	6.40	0.93	2.74	1.15	
TOTAL	4.69	6.40	0.93	2.74	1.15	
Private Hospitals						
Mater, North Sydney	1.29	0.85	1.63	1.54	1.68	
North Shore Private	1.64	2.30	1.43	1.82	1.39	
Sydney Adventist	1.14	2.25	2.11	0.89	1.67	
North Gosford Private	0.36	0.76	1.11	1.88	0.00	
Hurstville Community	0.95	1.38	1.27	1.98	1.01	
Kareena Private	1.28	1.72	0.00	0.00	0.62	
St. George Private	1.69	1.63	0.97	3.60	0.62	
Prince of Wales Private	1.22	1.30	2.22	1.66	1.62	
Norwest Private	1.96	2.37	1.56	1.07	1.45	
Sydney Southwest Private	1.00	1.24	1.86	1.91	1.14	
Nepean Private	1.27	1.67	1.01	1.47	0.41	
Westmead Private	2.26	1.60	2.70	2.51	1.49	
Figtree Private	1.17	0.41	0.00	0.46	0.93	
Newcastle Private	1.47	1.63	1.29	2.28	2.97	
Calvary, Wagga Wagga	1.61	1.63	1.14	0.84	0.00	
Other hospitals	0.00	0.99	1.06	1.02	0.00	
TOTAL	1.41	1.60	1.59	1.72	1.46	
TOTAL NSW*	1.79	1.72	1.74	1.78	1.68	
Source: NSW Perinatal Data Collecti	on (SAPHaRI).					

Centre for Epidemiology and Evidence, NSW Ministry of Health.

<sup>#</sup> Hospitals with more than 200 births in 2012 are identified individually.

\* Total NSW includes births at home assisted by independent midwives.

### Apgar score

#### Indicator 9.1

Definition: Total number of term babies born with an Apgar score of less than 7 at 5 minutes post delivery as a percentage of the total number of term babies born.

Table 73 shows information for hospitals where at least 200 babies were born in 2012, totals for hospitals for each local health district, and the NSW total.

TABLE 73: 9.1 APGAR SCORE OF 7 OR LESS IN TERM BABIES BY LOCAL HEALTH DISTRICT AND HOSPITAL, NSW 2008-2012\*

Local Health District–Hospital	2008 2009	2010	2011	2012	
	%	%	%	%	%
Sydney					
Canterbury	0.85	0.86	1.62	1.69	0.92
Royal Prince Alfred	1.57	1.64	1.32	1.86	1.69
TOTAL	1.40	1.43	1.39	1.82	1.50
South Western Sydney					
Fairfield	1.32	2.01	0.39	1.54	1.00
Liverpool	0.84	0.79	0.80	0.75	1.52
Campbelltown	0.92	0.87	1.56	1.48	1.60
Bankstown–Lidcombe	0.82	0.73	0.65	0.68	0.65
Bowral	1.91	0.91	0.72	0.61	0.45
Other hospitals	0.00	0.00	0.00	0.00	0.00
TOTAL	1.02	1.03	0.89	1.07	1.2
South Eastern Sydney					
St. George	1.32	0.60	1.20	1.20	1.26
Sutherland	0.82	0.82	1.15	1.08	1.38
Royal Hospital for Women	1.21	1.50	1.51	1.75	2.05
TOTAL	1.18	1.09	1.34	1.46	1.68
Illawarra Shoalhaven					
Shoalhaven	0.65	0.86	0.73	1.16	1.36
Wollongong	1.02	1.17	1.82	1.18	1.5
Other hospitals	2.22	3.41	1.69	0.82	0.00
TOTAL	0.96	1.15	1.51	1.16	1.4
Western Sydney					
Auburn	0.53	1.32	0.47	0.77	0.43
Blacktown	1.02	0.76	1.55	0.84	0.72
Westmead	1.01	0.90	0.61	0.84	0.8
TOTAL	0.94	0.91	0.90	0.83	0.72
Nepean Blue Mountains	1.00	2.00	2.20	0.53	0.01
Blue Mountains	1.06 0.75	3.00	2.38	0.52 0.79	0.95
Nepean	0.75	0.53 1.46	0.54 0.67	0.79	1.26
Hawkesbury Other hospitals	0.39	0.00	2.87	1.08	1.17
TOTAL	0.47	0.00 <b>0.81</b>	0.74	0.74	0.85
Northern Sydney	0.00	0.61	0.74	0.74	0.63
Hornsby	0.57	1.90	1.14	0.52	1.62
Manly	1.00	1.00	0.97	1.15	0.82
Royal North Shore	1.00	1.13	0.37	0.70	0.82
Other hospitals	1.04	0.95	0.76	0.00	0.67
TOTAL	0.89	1.27	0.93	0.76	1.00
Central Coast					
Gosford	1.06	2.60	1.99	2.59	2.40
Other hospitals	1.38	0.85	0.57	0.00	0.57
TOTAL	1.08	2.44	1.89	2.42	2.27
Hunter New England					
Armidale	0.24	1.23	0.25	1.24	1.16
Inverell	1.24	0.42	0.00	0.00	0.00
Moree	1.01	0.00	0.00	0.00	1.47
Tamworth Base	1.42	1.18	1.55	1.39	1.87
Manning Base	1.35	1.01	2.42	1.85	2.46
Maitland	2.34	1.91	1.75	1.27	1.49
Muswellbrook	0.00	1.85	0.61	0.44	2.00
John Hunter	1.90	2.39	2.56	2.28	2.30
Other hospitals	0.74	0.46	0.79	0.86	1.95
TOTAL	1.58	1.68	1.81	1.61	1.94

ICT AND HOSPITAL, NSW 2	2008	2009	2010	2011	2012
Local Health District-Hospital	%	%	%	%	%
Northern NSW					
	2.24	0.43	1.42	2.01	4 74
Grafton Base	2.24	0.43	1.42	2.01	1.71
Lismore Base	0.86	1.14	1.15	0.74	1.58
Tweed Heads	0.42	1.28	1.08	1.45	1.92
Other hospitals  TOTAL	0.89 <b>0.89</b>	0.00 <b>0.97</b>	1.10 <b>1.15</b>	0.28 <b>1.15</b>	0.25 <b>1.58</b>
Mid North Coast	0.03	0.57	1.13	1.13	1.36
Coffs Harbour	0.80	0.59	1.21	0.86	1.71
Kempsey	2.75	0.59	2.11	1.79	1.60
Port Macquarie Base	2.13	2.31	1.99	2.07	1.74
Other hospitals	0.00	2.04	0.00	0.00	0.00
TOTAL	1.52	1.24	1.58	1.39	1.66
Southern NSW	1.32	1.24	1.30	1.33	1.00
Bega	0.52	0.37	1.72	0.84	1.82
Goulburn Base	0.70	0.69	1.09	1.05	1.90
Moruya	1.45	1.29	1.51	2.06	1.59
Queanbeyan	0.75	0.33	0.63	1.11	0.24
Other hospitals	0.75	0.33	0.63	0.00	1.19
TOTAL	0.80	0.59	1.13	1.11	1.25
Murrumbidgee	0.00	0.55			1.23
Griffith Base	1.78	1.01	1.66	1.26	0.86
Wagga Wagga Base	1.22	1.44	1.70	2.81	1.92
Other hospitals	0.88	1.14	0.66	1.47	0.82
TOTAL	1.19	1.22	1.26	1.92	1.25
Western NSW					
Dubbo Base	1.02	1.51	1.26	0.90	1.15
Mudgee	0.42	0.90	0.44	0.89	0.40
Bathurst Base	0.71	1.30	1.04	1.41	1.50
Orange Base	1.08	1.35	1.02	1.84	1.13
Other hospitals	0.72	0.94	1.49	1.92	1.35
TOTAL	0.89	1.30	1.13	1.39	1.18
Far West					
Broken Hill Base	3.19	0.46	0.42	0.51	1.65
TOTAL	3.19	0.46	0.42	0.51	1.65
Private Hospitals					
Mater, North Sydney	0.36	0.38	0.68	0.51	0.39
North Shore Private	0.39	0.61	0.32	0.37	0.61
Sydney Adventist	0.67	0.23	0.35	0.42	0.95
North Gosford Private	0.50	0.13	0.55	0.80	0.66
Hurstville Community	0.58	0.77	0.88	0.67	0.68
Kareena Private	1.53	0.63	0.69	1.12	1.25
St. George Private	0.57	0.58	0.43	0.58	0.87
Prince of Wales Private	0.86	0.46	0.46	0.63	0.51
Norwest Private	0.33	0.17	0.00	0.37	0.37
Sydney Southwest Private	0.84	0.30	0.96	0.65	1.05
Nepean Private	0.47	0.34	0.24	0.12	0.00
Westmead Private	0.86	0.62	0.84	0.80	0.71
Figtree Private	0.55	0.31	0.71	0.43	0.74
Newcastle Private	0.74	0.33	0.50	0.28	0.56
Calvary, Wagga Wagga	0.69	0.51	1.24	1.65	1.04
Other hospitals	0.40	0.76	1.92	0.00	1.49
TOTAL	0.63	0.44	0.55	0.55	0.65
TOTAL NSW*	0.99	1.02	1.05	1.10	1.18

Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Hospitals with more than 200 births in 2012 are identified individually.

\* Total NSW includes births at home assisted by independent midwives.

# 8. ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS AND BABIES

#### Reporting of Aboriginality

Aboriginal mothers and babies are under-reported on the Perinatal Data Collection. One method of assessing the extent of under-reporting and monitoring changes over time is to compare the reporting of Aboriginal mothers and babies on the Perinatal Data Collection with reporting on other data collections. We used Enhanced Reporting of Aboriginality information on the Maternal and Child Health Register (see Methods) to give a "best estimate" of the true numbers of Aboriginal mothers and babies in NSW. We compared this best estimate with the actual numbers of Aboriginal mothers and babies reported on the PDC and calculated the level of reporting of Aboriginal mothers and babies for NSW and individual local health districts.

The estimated percentage of births to Aboriginal or Torres Strait Islander mothers in NSW that were reported to the Perinatal Data Collection was 79.0% in 2010, 77.8% in 2011 and 83.1% in 2012. In 2012, reporting varied markedly between Local Health Districts, ranging from 43.4% in the Northern Sydney Local Health District to 92.0% in the Far West Local Health District, with reporting generally better in rural compared with urban areas (Figure 2, Table 74).

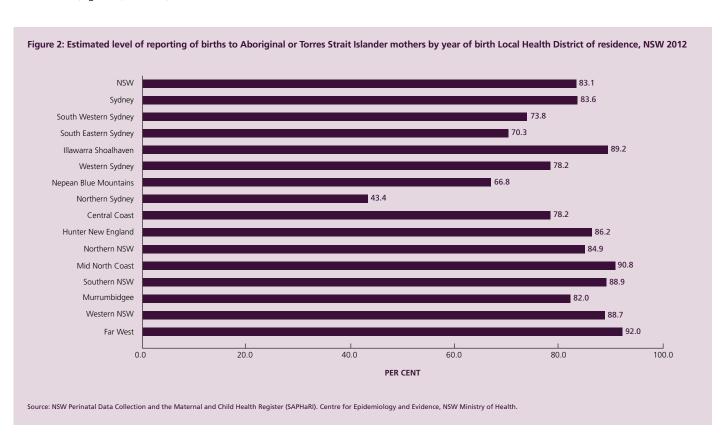


TABLE 74: BIRTHS TO ABORIGINAL OR TORRES STRAIT ISLANDER MOTHERS AND ESTIMATED LEVEL OF REPORTING BY YEAR OF BIRTH AND LOCAL HEALTH DISTRICT OF RESIDENCE 2010–2012

DISTRICT OF RESIDENCE 2010–2012		E-simon d	
Year of birth-Local health district	PDC births	Estimated Aboriginal births	Level of reporting
Tear Of Dirth-Local Health district	No.	No.	%
2010			
Sydney	87	116	75.0
South Western Sydney	179	291	61.5
South Eastern Sydney	69	120	57.5
Illawarra Shoalhaven	192	218	88.1
Western Sydney	212	297	71.4
Nepean Blue Mountains	130	189	68.8
Northern Sydney	36	53	67.9
Central Coast	126	175	72.0
Hunter New England	815	985	82.7
Northern NSW	221	261	84.7
Mid North Coast	227	268	84.7
Southern NSW	86	101	85.1
Murrumbidgee	155	192	80.7
Western NSW	525	610	86.1
Far West	55	59	93.2
Other–not stated	23	25	92.0
NSW	3138	3970	79.0
2011			
Sydney	86	118	72.9
South Western Sydney	183	298	61.4
South Eastern Sydney	82	119	68.9
Illawarra Shoalhaven	210	252	83.3
Western Sydney	200	283	70.7
Nepean Blue Mountains	148	214	69.2
Northern Sydney	18	51	35.3
	138	179	33.: 77.′
Central Coast		895	
Hunter New England	746		83.4
Northern NSW	213	258	82.6
Mid North Coast	194	244	79.!
Southern NSW	72	86	83.7
Murrumbidgee	168	216	77.8
Western NSW	500	600	83.3
Far West	42	44	95.5
Other–not stated	20	23	87.0
NSW	3021	3881	77.8
2012			
Sydney	112	134	83.6
South Western Sydney	208	282	73.8
South Eastern Sydney	71	101	70.3
Illawarra Shoalhaven	215	241	89.2
Western Sydney	230	294	78.2
Nepean Blue Mountains	141	211	66.8
Northern Sydney	23	53	43.4
Central Coast	151	193	78.2
Hunter New England	882	1023	86.2
Northern NSW	225	265	84.
Mid North Coast	228	251	90.
Southern NSW	88	99	88.
Murrumbidgee	150	183	82.
Western NSW	607	684	88.
Far West	46	50	92.0
Other–not stated	22	27	81.5
NSW	3399	4092	83.1
Source: NSW Perinatal Data Collection and the Maternal and Ch			03.

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The estimated percentage of Aboriginal or Torres Strait Islander babies born in NSW that were reported to the Perinatal Data Collection was 94.3% in 2012 (Table 75). Reporting ranged from 63.4% in South Western Sydney to 100% in South Eastern Sydney, Western Sydney, Northern Sydney, Northern NSW, Southern NSW and Far West NSW.

Numbers of Aboriginal mothers and babies shown in the tables and figures in this chapter are based on the actual numbers reported to the Perinatal Data Collection. The true numbers of Aboriginal mothers and babies are likely to be higher than shown and should therefore be interpreted with caution.

TABLE 75: BIRTHS OF ABORIGINAL OR TORRES STRAIT ISLANDER BABIES AND ESTIMATED LEVEL OF REPORTING BY YEAR OF BIRTH AND LOCAL HEALTH **DISTRICT OF RESIDENCE 2012** 

Version of health at a self-based at the self-self-self-self-self-self-self-self-	PDC births	<b>Estimated Aboriginal births</b>	Level of reporting
Year of birth-Local health district	No.	No.	%
Sydney	125	159	78.6
South Western Sydney	220	347	63.4
South Eastern Sydney	150	149	100.0
Illawarra Shoalhaven	350	365	95.9
Western Sydney	368	365	100.0
Nepean Blue Mountains	269	287	93.7
Northern Sydney	60	55	100.0
Central Coast	259	272	95.2
Hunter New England	1294	1389	93.2
Northern NSW	349	344	100.0
Mid North Coast	328	331	99.1
Southern NSW	131	130	100.0
Murrumbidgee	241	254	94.9
Western NSW	844	852	99.1
Far West	62	60	100.0
Other–not stated	55	54	100.0
NSW	5105	5413	94.3

Source: NSW Perinatal Data Collection and the Maternal and Child Health Register (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health. # The first complete year of data about Aboriginal babies is available for babies born in 2012.

# Trends in births

Between 2008 and 2012, the number of reported births to Aboriginal or Torres Strait Islander mothers rose from 3,015 to 3,399, representing 3.1% and 3.4% respectively of all babies born in NSW. In 2012, 3,269 babies were born to Aboriginal mothers, 49 babies were born to Torres Strait Islander mothers and 81 babies were born to mothers of both Aboriginal and Torres Strait Islander background (Table 76).

TABLE 76: ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS AND BABIES, NSW 2008-2012#

					Year					
Aboriginal and Torres Strait Islander	2008		2009	2009		2010		1	2012	
	No.	%								
Confinements										
Aboriginal but not Torres Strait Islander	2801	94.1	2757	94.9	2947	95.4	2842	95.5	3218	96.1
Torres Strait Islander but not Aboriginal	61	2.0	45	1.5	53	1.7	49	1.6	49	1.5
Both Aboriginal and Torres Strait Islander	114	3.8	102	3.5	90	2.9	84	2.8	81	2.4
TOTAL	2976	100.0	2904	100.0	3090	100.0	2975	100.0	3348	100.0
Births <sup>†</sup>										
Aboriginal but not Torres Strait Islander	2836	94.1	2784	95.0	2994	95.4	2883	95.4	3269	96.2
Torres Strait Islander but not Aboriginal	61	2.0	45	1.5	53	1.7	51	1.7	49	1.4
Both Aboriginal and Torres Strait Islander	118	3.9	102	3.5	91	2.9	87	2.9	81	2.4
TOTAL	3015	100.0	2931	100.0	3138	100.0	3021	100.0	3399	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers and babies to the PDC, it is likely that the true numbers of mothers and babies are higher than shown (Tables 74 and 75).

# Plurality

Between 2008 and 2012, multiple pregnancies (twins, triplets etc.) were reported for about 1.5% of all pregnancies. In 2012, 2.9% of babies born to Aboriginal or Torres Strait Islander mothers were twins (Table 77).

TABLE 77: ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS AND BABIES BY PLURALITY, NSW 2008-2012\*

	Year										
Plurality	2008		2009		2010		201	11	2012		
	No.	%									
Confinements											
Singleton	2937	98.7	2877	99.1	3043	98.5	2927	98.4	3298	98.5	
Twins	39	1.3	27	0.9	46	1.5	48	1.6	49	1.5	
Triplets	0	0.0	0	0.0	1	0.0	0	0.0	1	0.0	
TOTAL	2976	100.0	2904	100.0	3090	100.0	2975	100.0	3348	100.0	
Births <sup>†</sup>											
Singleton	2937	97.4	2877	98.2	3043	97.0	2927	96.9	3298	97.0	
Twins	78	2.6	54	1.8	92	2.9	94	3.1	98	2.9	
Triplets	0	0.0	0	0.0	3	0.1	0	0.0	3	0.1	
TOTAL	3015	100.0	2931	100.0	3138	100.0	3021	100.0	3399	100.0	

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Previous pregnancies

In 2012, just over one-third of Aboriginal or Torres Strait Islander mothers gave birth for the first time (Table 78), 59.2% of mothers reported between 1 and 4 previous births and 6.3% of mothers had previously given birth to 5 or more babies. Since 2008, there has been a slight increase in the percentage of first time pregnancies, and a concurrent decrease in the percentage of mothers who had previously given birth to 5 or more babies.

TABLE 78: PREVIOUS PREGNANCIES AMONG ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS, NSW 2008-2012\*

	Year											
No. previous pregnancies (>20 weeks gestation)	2008		2009		201	כ	201	1	2012			
(2 1	No.	%										
0	986	33.1	1000	34.4	1062	34.4	1085	36.5	1156	34.5		
1–4	1735	58.3	1677	57.7	1768	57.2	1658	55.7	1981	59.2		
5+	253	8.5	227	7.8	260	8.4	228	7.7	211	6.3		
Not stated	2	0.1	0	0.0	0	0.0	4	0.1	0	0.0		
TOTAL	2976	100.0	2904	100.0	3090	100.0	2975	100.0	3348	100.0		

# Maternal age

The reported number of Aboriginal or Torres Strait Islander mothers giving birth has increased for those less than 34 years of age, and decreased slightly for those aged 35 years or older. The percentage of Aboriginal or Torres Strait Islander mothers who were teenagers fell from 19.8% in 2008 to 18.6% in 2012. The percentage of mothers giving birth at 35 years of age or more has decreased from 9.3% in 2008 to 8.1% in 2012 (Table 79).

TABLE 79: AGE OF ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS, NSW 2008-2012#

	Year											
Maternal age (years)	2008		2009		2010		2011		2012			
	No.	%										
12–19	589	19.8	549	18.9	576	18.6	565	19.0	623	18.6		
20–34	2109	70.9	2074	71.4	2223	71.9	2154	72.4	2451	73.2		
35+	278	9.3	281	9.7	291	9.4	256	8.6	272	8.1		
Not stated	0	0.0	0	0.0	0	0.0	0	0.0	2	0.1		
TOTAL	2976	100.0	2904	100.0	3090	100.0	2975	100.0	3348	100.0		

ource: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health

<sup>†</sup> Births to Aboriginal and Torres Strait Islander mothers.

# Due to under-reporting of Aboriginal mothers and babies to the PDC, it is likely that the true numbers of mothers and babies are higher than shown (Tables 74 and 75).

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of mothers are higher than shown (Table 74).

<sup>#</sup> Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of mothers are higher than shown (Table 74).

# Local Health District of residence

Between 2008 and 2012, the reported number of Aboriginal or Torres Strait Islander mothers rose in most Local Health Districts. The reported number of Aboriginal or Torres Strait Islander mothers who gave birth in 2012 ranged from 23 in the Northern Sydney Local Health District to 867 in the Hunter New England Local Health District (Table 80). The proportion of Aboriginal or Torres Strait Islander mothers who were teenagers varied from 8.6% in the South Eastern Sydney Local Health District to 24.3% in the Western Sydney Local Health District (Table 81).

TABLE 80: LOCAL HEALTH DISTRICT OF RESIDENCE OF ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS, NSW 2008-2012

Year											
2008		2009		201	0	201	1	201	2		
No.	%	No.	%	No.	%	No.	%	No.	%		
102	3.4	105	3.6	87	2.8	84	2.8	109	3.3		
173	5.8	170	5.9	176	5.7	180	6.1	208	6.2		
57	1.9	64	2.2	69	2.2	81	2.7	70	2.1		
190	6.4	170	5.9	188	6.1	203	6.8	213	6.4		
201	6.8	203	7.0	209	6.8	197	6.6	226	6.8		
140	4.7	113	3.9	126	4.1	145	4.9	141	4.2		
21	0.7	28	1.0	36	1.2	18	0.6	23	0.7		
122	4.1	110	3.8	125	4.0	137	4.6	148	4.4		
730	24.5	654	22.5	806	26.1	734	24.7	867	25.9		
210	7.1	203	7.0	213	6.9	210	7.1	222	6.6		
203	6.8	234	8.1	223	7.2	190	6.4	224	6.7		
58	1.9	68	2.3	86	2.8	72	2.4	88	2.6		
152	5.1	156	5.4	155	5.0	167	5.6	149	4.5		
526	17.7	553	19.0	514	16.6	494	16.6	592	17.7		
51	1.7	35	1.2	54	1.7	42	1.4	46	1.4		
40	1.3	38	1.3	23	0.7	21	0.7	22	0.7		
2976	100.0	2904	100.0	3090	100.0	2975	100.0	3348	100.0		
	No. 102 173 57 190 201 140 21 122 730 210 203 58 152 526 51 40 2976	No.         %           102         3.4           173         5.8           57         1.9           190         6.4           201         6.8           140         4.7           21         0.7           122         4.1           730         24.5           210         7.1           203         6.8           58         1.9           152         5.1           526         17.7           51         1.7           40         1.3           2976         100.0	No.         %         No.           102         3.4         105           173         5.8         170           57         1.9         64           190         6.4         170           201         6.8         203           140         4.7         113           21         0.7         28           122         4.1         110           730         24.5         654           210         7.1         203           203         6.8         234           58         1.9         68           152         5.1         156           526         17.7         553           51         1.7         35           40         1.3         38           2976         100.0         2904	No.         %         No.         %           102         3.4         105         3.6           173         5.8         170         5.9           57         1.9         64         2.2           190         6.4         170         5.9           201         6.8         203         7.0           140         4.7         113         3.9           21         0.7         28         1.0           122         4.1         110         3.8           730         24.5         654         22.5           210         7.1         203         7.0           203         6.8         234         8.1           58         1.9         68         2.3           152         5.1         156         5.4           526         17.7         553         19.0           51         1.7         35         1.2           40         1.3         38         1.3           2976         100.0         2904         100.0	2008         2009         201           No.         %         No.         %         No.           102         3.4         105         3.6         87           173         5.8         170         5.9         176           57         1.9         64         2.2         69           190         6.4         170         5.9         188           201         6.8         203         7.0         209           140         4.7         113         3.9         126           21         0.7         28         1.0         36           122         4.1         110         3.8         125           730         24.5         654         22.5         806           210         7.1         203         7.0         213           203         6.8         234         8.1         223           58         1.9         68         2.3         86           152         5.1         156         5.4         155           526         17.7         553         19.0         514           51         1.7         35         1.2         54	No.         %         10.         %         10.         %         12.         2.8         1.0         3.6         1.2         2.2         69         2.2         2.9         6.8         6.1         2.0         20.9         6.8         6.1         20.0         6.8         6.1         2.0         20.9         6.8         6.1         2.0         20.9         6.8         6.1         1.2         4.0         1.2         4.0         1.2         4.0         1.2         4.0         1.2         4.0         1.2         4.0         1.2         4.0         1.2         4.0         1.2         4.0         1.2         4.0         1.2	2008         2009         2010         201           No.         %         No.         %         No.         %         No.           102         3.4         105         3.6         87         2.8         84           173         5.8         170         5.9         176         5.7         180           57         1.9         64         2.2         69         2.2         81           190         6.4         170         5.9         188         6.1         203           201         6.8         203         7.0         209         6.8         197           140         4.7         113         3.9         126         4.1         145           21         0.7         28         1.0         36         1.2         18           122         4.1         110         3.8         125         4.0         137           730         24.5         654         22.5         806         26.1         734           210         7.1         203         7.0         213         6.9         210           203         6.8         234         8.1         223 <td< th=""><th>No.         %         No.         No</th><th>No.         %         No.         No.</th></td<>	No.         %         No.         No	No.         %         No.         No.		

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of mothers are higher than shown. The level of under-reporting varies between Local Health Districts (Table 74).

TABLE 81: LOCAL HEALTH DISTRICT OF RESIDENCE OF ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS BY AGE, NSW 2012\*

	Maternal age (Years)											
Local Health District	Under 20		<b>20</b> -p	lus	Not st	ated	тот	AL				
	No.	%	No.	%	No.	%	No.	%				
Sydney	17	15.6	92	84.4	0	0.0	109	100.0				
South Western Sydney	34	16.3	174	83.7	0	0.0	208	100.0				
South Eastern Sydney	6	8.6	64	91.4	0	0.0	70	100.0				
Illawarra Shoalhaven	40	18.8	173	81.2	0	0.0	213	100.0				
Western Sydney	55	24.3	171	75.7	0	0.0	226	100.0				
Nepean Blue Mountains	19	13.5	122	86.5	0	0.0	141	100.0				
Northern Sydney	-	-	-	-	-	-	23	100.0				
Central Coast	17	11.5	131	88.5	0	0.0	148	100.0				
Hunter New England	180	20.8	687	79.2	0	0.0	867	100.0				
Northern NSW	37	16.7	185	83.3	0	0.0	222	100.0				
Mid North Coast	38	17.0	186	83.0	0	0.0	224	100.0				
Southern NSW	17	19.3	71	80.7	0	0.0	88	100.0				
Murrumbidgee	35	23.5	114	76.5	0	0.0	149	100.0				
Western NSW	116	19.6	474	80.1	2	0.3	592	100.0				
Far West	8	17.4	38	82.6	0	0.0	46	100.0				
Other–not stated	_	-	_	_	-	_	-	100.0				
TOTAL	623	18.6	2723	81.3	2	0.1	3348	100.0				

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of mothers are higher than shown. The level of under-reporting varies between Local Health Districts (Table 74).

Data not shown for cell counts less than five.

# Duration of pregnancy at first antenatal visit

Between 2008 and 2010, the proportion of Aboriginal or Torres Strait Islander mothers who commenced antenatal care at less than 14 weeks gestation rose from 68.7% to 71.3%, and the proportion that commenced antenatal care at less than 20 weeks gestation rose from 83.4% to 84.1% (Table 82).

Since 2011, rates of commencement of antenatal care at less than 14 weeks gestation have fallen substantially due to the introduction of a stricter definition of "antenatal care". Up to 2010, the question asked was 'Duration of pregnancy at first antenatal visit'. From 2011, the question asked is: 'Duration of pregnancy at first comprehensive booking or assessment by clinician'. The new question has more specifically defined the type of visit to be reported and resulted in a substantial decrease in the reported proportion of mothers who commenced antenatal care before 14 weeks gestation between 2010 and 2011.

In 2012, 51.0% of Aboriginal or Torres Strait Islander mothers attended antenatal care at less than 14 weeks and 72.0% attended at less than 20 weeks gestation. This compares with 61.6% of non-Aboriginal or Torres Strait Islander mothers who commenced antenatal care at less than 14 weeks gestation, and 83.5% who commenced antenatal care at less than 20 weeks gestation in 2012.

In 2012, the proportion of Aboriginal or Torres Strait Islander mothers who commenced antenatal care at less than 14 weeks gestation varied from 21.1% in the Illawarra Shoalhaven Local Health District to 60.4% in the Murrumbidgee Local Health District (Table 83).

TABLE 82: DURATION OF PREGNANCY AT FIRST ANTENATAL VISIT AMONG ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS, NSW 2008-2012\*

	Year											
Duration of pregnancy (weeks)	2008		200	2009		2010		11	2012			
	No.	%										
0–13	2045	68.7	2011	69.2	2204	71.3	1822	61.2	1707	51.0		
14–19	437	14.7	410	14.1	396	12.8	467	15.7	703	21.0		
20-plus	404	13.6	428	14.7	426	13.8	612	20.6	879	26.3		
Not stated	90	3.0	55	1.9	64	2.1	74	2.5	59	1.8		
TOTAL	2976	100.0	2904	100.0	3090	100.0	2975	100.0	3348	100.0		

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of mothers are higher than shown (Table 74).

TABLE 83: DURATION OF PREGNANCY AT FIRST ANTENATAL VISIT AMONG ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012\*

			D	uration of p	regnancy at fi	rst antenatal	visit (weeks)			
Local Health District	0–13		14–19	1	20-р	lus	Not st	ated	тот	ΑL
	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	65	59.6	23	21.1	21	19.3	0	0.0	109	100.0
South Western Sydney	92	44.2	50	24.0	60	28.8	6	2.9	208	100.0
South Eastern Sydney	39	55.7	24	34.3	6	8.6	1	1.4	70	100.0
Illawarra Shoalhaven	45	21.1	54	25.4	113	53.1	1	0.5	213	100.0
Western Sydney	96	42.5	57	25.2	66	29.2	7	3.1	226	100.0
Nepean Blue Mountains	74	52.5	28	19.9	37	26.2	2	1.4	141	100.0
Northern Sydney	-	-	14	60.9	-	-	0	0.0	23	100.0
Central Coast	54	36.5	45	30.4	48	32.4	1	0.7	148	100.0
Hunter New England	486	56.1	162	18.7	207	23.9	12	1.4	867	100.0
Northern NSW	130	58.6	38	17.1	50	22.5	4	1.8	222	100.0
Mid North Coast	125	55.8	53	23.7	45	20.1	1	0.4	224	100.0
Southern NSW	35	39.8	21	23.9	30	34.1	2	2.3	88	100.0
Murrumbidgee	90	60.4	30	20.1	28	18.8	1	0.7	149	100.0
Western NSW	328	55.4	93	15.7	153	25.8	18	3.0	592	100.0
Far West	27	58.7	7	15.2	10	21.7	2	4.3	46	100.0
Other–not stated	-	-	4	18.2	-	-	1	4.5	22	100.0
TOTAL	1707	51.0	703	21.0	879	26.3	59	1.8	3348	100.0

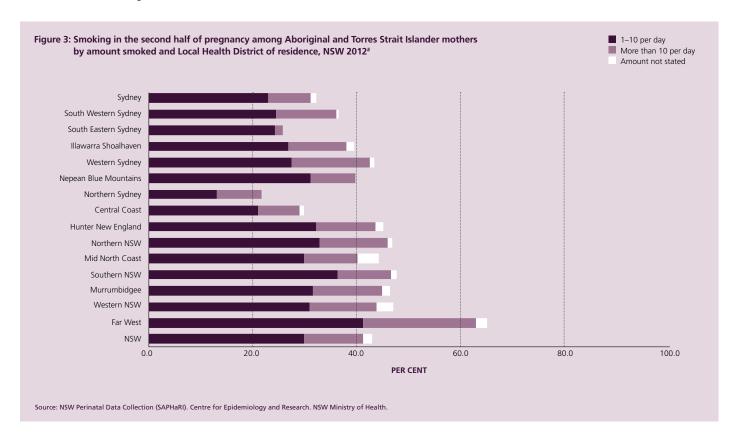
Source: NSW Perinatal Data Collection (SAPHaRi). Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of mothers are higher than shown. The level of under-reporting varies between Local Health Districts (Table 74).

Data not shown for cell counts less than five.

# Smoking in pregnancy

In 2012, 49.9% of Aboriginal or Torres Strait Islander mothers reported smoking at some time during pregnancy, compared with 50.2% in 2008. This compares with 9.0% of non-Aboriginal or Torres Strait Islander mothers who reported smoking at some time during pregnancy in 2012.

Smoking in the second half of pregnancy poses the greatest risk to the health of both mother and baby. In 2012, 43.0% of Aboriginal or Torres Strait Islander mothers reported smoking in the second half of pregnancy. This percentage varied from 21.7% in the Northern Sydney Local Health District to 65.2% in the Far West Local Health District (Figure 3).



# Medical conditions and obstetric complications

In 2012, there were similar rates of diabetes mellitus and chronic hypertension reported among Aboriginal and Torres Strait Islander mothers compared with non-Aboriginal or Torres Strait Islander mothers. However, the rate of gestational diabetes was higher among non-Aboriginal or Torres Strait Islander mothers (7.5%) than Aboriginal or Torres Strait Islander mothers (5.9%). Overall, the rate of hypertension in pregnancy was higher in Aboriginal or Torres Strait Islander mothers (6.3%) compared with non-Aboriginal or Torres Strait Islander mothers (5.4%) (Table 84). The number of Aboriginal or Torres Strait Islander mothers with medical conditions and obstetric complications reported to the Perinatal Data Collection is low, even after taking into account underreporting of Aboriginal mothers. The low numbers may be due to under-detection and/or under-reporting.

TABLE 84: MEDICAL CONDITIONS AND OBSTETRIC COMPLICATIONS AMONG ABORIGINAL AND NON-ABORIGINAL MOTHERS, NSW 2012\*

	Aboriginal or Torres Strait Islander										
Condition	Aboriginal or Torres Strait Islander			Non-Aboriginal or Torres Strait Islander		ated	тот	AL			
	No.	%	No.	%	No.	%	No.	%			
Diabetes mellitus	29	0.9	633	0.7	0	0.0	662	0.7			
Gestational diabetes	198	5.9	7094	7.5	0	0.0	7292	7.4			
Chronic hypertension	25	0.7	749	0.8	2	3.6	776	0.8			
Pre-eclampsia	75	2.2	1599	1.7	1	1.8	1675	1.7			
Gestational Hypertension	115	3.4	2708	2.9	2	3.6	2825	2.9			
TOTAL	3348	100.0	94738	100.0	55	100.0	98141	100.0			

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of aboriginal mothers and babies to the PDC, it is likely that the true number of mothers are abuot 19% higher than shown (Table 72).

# Labour and birth

The rate of spontaneous onset of labour among Aboriginal or Torres Strait Islander mothers fell from 66.1% in 2008 to 59.3% in 2012 (Table 85), while the rate of induction of labour increased from 22.5% to 26.6%. The rate of spontaneous onset of labour was slightly higher among Aboriginal or Torres Strait Islander compared with the rate of 55.7% reported among non-Aboriginal or Torres Strait Islander mothers in 2012.

Between 2008 and 2012, the rate of normal vaginal birth fell from 69.7% to 67.4%. The caesarean section rate rose from 22.7% to 25.2% (Table 86). The rate of instrumental delivery remained steady at 6.7%, and about 1% of all births were vaginal breech births.

TABLE 85: LABOUR ONSET FOR ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS, NSW 2008–2012#

	Year												
Labour Onset	2008		2009		2010		2011		201	2			
	No.	%											
Spontaneous	1966	66.1	1852	63.8	1956	63.3	1809	60.8	1984	59.3			
Induced	669	22.5	695	23.9	740	23.9	774	26.0	891	26.6			
No labour*	339	11.4	357	12.3	394	12.8	391	13.1	472	14.1			
Not stated	2	0.1	0	0.0	0	0.0	1	0.0	1	0.0			
TOTAL	2976	100.0	2904	100.0	3090	100.0	2975	100.0	3348	100.0			

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of mothers are higher than shown (Table 74).

TABLE 86: TYPE OF BIRTH AMONG ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS, NSW 2008-2012#

					Yea	ır				
Type of birth	2008		2009	2009		0	201	1	2012	
	No.	%								
Normal vaginal	2074	69.7	1984	68.3	2070	67.0	1989	66.9	2256	67.4
Forceps	75	2.5	64	2.2	68	2.2	63	2.1	82	2.4
Vacuum extraction	124	4.2	126	4.3	144	4.7	141	4.7	143	4.3
Vaginal breech	25	0.8	23	0.8	19	0.6	14	0.5	22	0.7
Elective caesarean section	339	11.4	357	12.3	394	12.8	391	13.1	472	14.1
Emergency caesarean section*	336	11.3	350	12.1	395	12.8	375	12.6	372	11.1
Not stated	3	0.1	0	0.0	0	0.0	2	0.1	1	0.0
TOTAL	2976	100.0	2904	100.0	3090	100.0	2975	100.0	3348	100.0

Since 2008, the rate of low birth weight (less than 2,500 grams) in Aboriginal or Torres Strait Islander babies has been over 10% and was 11.0% in 2012 (Table 87). This is about twice the rate for babies born to non-Aboriginal or Torres Strait Islander mothers, which was 5.9% in 2012. In 2012, the largest number of low birth weight babies was in the Hunter New England Local Health District (Table 88).

TABLE 87: WEIGHT OF BABIES BORN TO ABORIGINAL AND TORRES STRAIGHT ISLANDER MOTHERS, NSW 2008-2012

					Yea	r				
Birth weight (grams)	2008		2009		201	0	201	1	2012	
	No.	%								
Less than 1,000	39	1.3	36	1.2	39	1.2	42	1.4	45	1.3
1,000–1,499	36	1.2	22	0.8	25	0.8	17	0.6	24	0.7
1,500–2,499	272	9.0	259	8.8	287	9.1	314	10.4	305	9.0
2,500+	2665	88.4	2610	89.0	2787	88.8	2643	87.5	3022	88.9
Not stated	3	0.1	4	0.1	0	0.0	5	0.2	3	0.1
TOTAL	3015	100.0	2931	100.0	3138	100.0	3021	100.0	3399	100.0

ource: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of babies are higher than shown (Table 74).

<sup>\*</sup> No labour indicates elective caesarean section.

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of mothers are higher than shown (Table 74).

\* Emergency caesarean section includes caesarean section where the onset of labour was not stated.

Birth weight

TABLE 88: WEIGHT OF BABIES BORN TO ABORIGINAL AND TORRES STRAIGHT ISLANDER MOTHERS BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012\*

				Birth Weig	ht (grams)			
Local Health District	< 2,500	)	2,50	00+	Not st	tated	тот	AL
	No.	%	No.	%	No.	%	No.	%
Sydney	14	12.5	98	87.5	0	0.0	112	100.0
South Western Sydney	16	7.7	192	92.3	0	0.0	208	100.0
South Eastern Sydney	-	-	67	94.4	-	-	71	100.0
Illawarra Shoalhaven	14	6.5	201	93.5	0	0.0	215	100.0
Western Sydney	36	15.7	194	84.3	0	0.0	230	100.0
Nepean Blue Mountains	18	12.8	123	87.2	0	0.0	141	100.0
Northern Sydney	-	-	22	95.7	-	-	23	100.0
Central Coast	20	13.2	130	86.1	1	0.7	151	100.0
Hunter New England	99	11.2	783	88.8	0	0.0	882	100.0
Northern NSW	32	14.2	193	85.8	0	0.0	225	100.0
Mid North Coast	21	9.2	206	90.4	1	0.4	228	100.0
Southern NSW	6	6.8	82	93.2	0	0.0	88	100.0
Murrumbidgee	15	10.0	135	90.0	0	0.0	150	100.0
Western NSW	73	12.0	534	88.0	0	0.0	607	100.0
Far West	_	-	42	91.3	-	-	46	100.0
Other–not stated	2	9.1	20	90.9	0	0.0	22	100.0
TOTAL	374	11.0	3022	88.9	3	0.1	3399	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of babies are higher than shown. The level of under-reporting varies between Local Health Districts (Table 74). Data not shown for cell counts less than five.

# Gestational age

Since 2008, over 10% of Aboriginal or Torres Strait Islander babies have been premature (less than 37 weeks gestation) (Table 89). The rate of prematurity was 13.2% in 2012—compared with a rate of 7.4% for babies born to non-Aboriginal or Torres Strait Islander mothers. In 2012, the largest number of premature babies was born in the Hunter New England Local Health District (Table 90).

TABLE 89: GESTATIONAL AGE OF BABIES BORN TO ABORIGINAL AND TORRES STRAIGHT ISLANDER MOTHERS, NSW 2008-2012\*

					Ye	ar				
Gestational age (weeks)	2008		2009	2009		10	201	11	2012	
	No.	%								
< 28	44	1.5	39	1.3	39	1.2	44	1.5	45	1.3
28–31	40	1.3	26	0.9	40	1.3	40	1.3	38	1.1
32–36	284	9.4	244	8.3	287	9.1	297	9.8	367	10.8
37–41	2622	87.0	2589	88.3	2739	87.3	2620	86.7	2927	86.1
42 +	24	0.8	33	1.1	32	1.0	18	0.6	21	0.6
Not stated	1	0.0	0	0.0	1	0.0	2	0.1	1	0.0
TOTAL	3015	100.0	2931	100.0	3138	100.0	3021	100.0	3399	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of babies are higher than shown (Table 74).

TABLE 90: GESTATIONAL AGE OF BABIES BORN TO ABORIGINAL AND TORRES STRAIGHT ISLANDER MOTHERS BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012\*

				Gestational	age (weeks)			
Local Health District	Less than 3	37	37	+	Not st	ated	тот	AL
	No.	%	No.	%	No.	%	No.	%
Sydney	12	10.7	100	89.3	0	0.0	112	100.0
South Western Sydney	23	11.1	185	88.9	0	0.0	208	100.0
South Eastern Sydney	-	-	67	94.4	-	-	71	100.0
Illawarra Shoalhaven	26	12.1	189	87.9	0	0.0	215	100.0
Western Sydney	33	14.3	197	85.7	0	0.0	230	100.0
Nepean Blue Mountains	19	13.5	122	86.5	0	0.0	141	100.0
Northern Sydney	-	-	20	87.0	-	-	23	100.0
Central Coast	16	10.6	135	89.4	0	0.0	151	100.0
Hunter New England	132	15.0	750	85.0	0	0.0	882	100.0
Northern NSW	35	15.6	190	84.4	0	0.0	225	100.0
Mid North Coast	32	14.0	196	86.0	0	0.0	228	100.0
Southern NSW	7	8.0	81	92.0	0	0.0	88	100.0
Murrumbidgee	18	12.0	132	88.0	0	0.0	150	100.0
Western NSW	83	13.7	523	86.2	1	0.2	607	100.0
Far West	-	-	42	91.3	-	-	46	100.0
Other–not stated	3	13.6	19	86.4	0	0.0	22	100.0
TOTAL	450	13.2	2948	86.7	1	0.0	3399	100.0

Source: NSW Perinatal Data Collection (SAPHaR)). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers and babies to the PDC, it is likely that the true numbers of babies are higher than shown. The level of under-reporting varies between Local Health Districts (Table 74). Data not shown for cell counts less than five.

# Apgar score

In 2012, 3.2% of Aboriginal or Torres Strait Islander babies had an Apgar score less than 7 at 5 minutes (Table 91), slightly higher than the rate of 2.2% for babies born to non-Aboriginal or Torres Strait Islander mothers.

TABLE 91: APGAR SCORE OF BABIES BORN TO ABORIGINAL AND TORRES STRAIGHT ISLANDER MOTHERS, NSW 2008-2012\*

					Yea	ar				
Apgar score at 5 minutes	2008		200	2009		2010		11	2012	
	No.	%								
0–4	62	2.1	53	1.8	50	1.6	61	2.0	50	1.5
5–6	45	1.5	39	1.3	53	1.7	56	1.9	59	1.7
7+	2886	95.7	2819	96.2	3016	96.1	2891	95.7	3270	96.2
Not stated	22	0.7	20	0.7	19	0.6	13	0.4	20	0.6
TOTAL	3015	100.0	2931	100.0	3138	100.0	3021	100.0	3399	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of babies are higher than shown (Table 74).

# Infant feeding

In 2012, 63.4% of babies born to Aboriginal or Torres Strait Islander mothers were fully breastfed at discharge from hospital, 4.6% were partially breastfed and 29.7% received infant formula only (Table 92). This compares with 82.7% of babies born to non-Aboriginal or Torres Strait Islander mothers who were fully breastfed in 2012. Rates of full breastfeeding ranged from 48.9% in the Far West Local Health District to 91.3% in the Northern Sydney Local Health District.

TABLE 92: INFANT FEEDING AMONG LIVEBORN BABIES OF ABORIGINAL AND TORRES STRAIGHT ISLANDER MOTHERS BY LOCAL HEALTH DISTRICT OF RESIDENCE, NSW 2012#

					Infant fo	eeding				
Local Health District	Full breast-fe	eding	Any breast-f	eeding	Infant forn	nula only	Not st	ated	тоти	<b>AL</b>
	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	77	69.4	6	5.4	27	24.3	1	0.9	111	100.0
South Western Sydney	118	57.6	-	-	84	41.0	-	-	205	100.0
South Eastern Sydney	54	77.1	8	11.4	8	11.4	0	0.0	70	100.0
Illawarra Shoalhaven	128	60.7	7	3.3	71	33.6	5	2.4	211	100.0
Western Sydney	115	50.4	18	7.9	91	39.9	4	1.8	228	100.0
Nepean Blue Mountains	77	54.6	13	9.2	50	35.5	1	0.7	141	100.0
Northern Sydney	21	91.3	-	-	-	-	-	-	23	100.0
Central Coast	105	70.5	8	5.4	33	22.1	3	2.0	149	100.0
Hunter New England	593	67.8	42	4.8	224	25.6	16	1.8	875	100.0
Northern NSW	167	74.2	-	-	51	22.7	-	-	225	100.0
Mid North Coast	160	70.8	8	3.5	49	21.7	9	4.0	226	100.0
Southern NSW	64	74.4	-	-	18	20.9	-	-	86	100.0
Murrumbidgee	87	58.0	7	4.7	51	34.0	5	3.3	150	100.0
Western NSW	335	55.8	23	3.8	216	36.0	26	4.3	600	100.0
Far West	22	48.9	5	11.1	16	35.6	2	4.4	45	100.0
Other–not stated	11	50.0	-	-	-	-	-	-	22	100.0
TOTAL	2134	63.4	154	4.6	1000	29.7	79	2.3	3367	100.0

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.
# Due to under-reporting of Aboriginal mothers to the PDC, it is likely that the true numbers of babies are higher than shown. The level of under-reporting varies between Local Health Districts (Table 74). Data not shown for cell counts less than five.

# Perinatal mortality

Between 2008 and 2012, the perinatal mortality rate among Aboriginal or Torres Strait Islander babies has varied between 12.6 and 16.4 per 1,000 births (Table 93). The rate of 12.7 per 1,000 births in Aboriginal or Torres Strait Islander mothers in 2012 is substantially higher than the rate of 7.9 per 1,000 births experienced among babies born to non-Aboriginal or Torres Strait Islander mothers.

TABLE 93: PERINATAL DEATHS AMONG BABIES BORN TO ABORIGINAL AND TORRES STRAIT ISLANDER MOTHERS, NSW 2008-2012

					Ye	ar				
Perinatal deaths	200	08	20	2009		2010		11	2012	
	No.	Rate/ 1,000	No.	Rate/ 1,000						
Stillborn	34	11.3	27	9.2	26	8.3	49	12.2	46	9.0
Neonatal death	12	4.0	10	3.4	16	5.1	17	4.2	19	3.7
TOTAL	46	15.3	37	12.6	42	13.4	66	16.4	65	12.7

Source: NSW Perinatal Data Collection (SAPHaRI). Centre for Epidemiology and Evidence, NSW Ministry of Health.

# Perinatal deaths include deaths reported to the PDC only. As the PDC form is completed at discharge or transfer of the baby, deaths occurring after this time may not be reported to the PDC.

Due to under-reporting of Aboriginal mothers, it is likely that the true number of babies are higher than shown (Table 74).

# 9. APPENDICES

# Appendix 1: Glossary of terms

# Aboriginal and Torres Strait Islander

Women who identify themselves as Australian Aboriginal or Torres Strait Islander.

## Apgar score

A numerical scoring system routinely administered 1 and 5 minutes after birth to evaluate the condition of the baby. The score ranges from 0-10 (10 being perfect). It takes account of 5 physical signs, each of which is assigned a component score of 0, 1 or 2: heart rate, respiration, muscle tone, reflexes, and

## Augmentation

Artificial rupture of the membranes or use of oxytocic drugs after spontaneous onset of labour.

# Birth weight

The newborn infant's first bare weight in grams. Low birth weight: birth weight less than 2,500 grams. Very low birth weight: birth weight less than 1,500 grams. Extremely low birth weight: birth weight less than 1,000 grams.

# Caesarean section

Birth of the fetus through an abdominal incision. Elective caesarean section: a caesarean section (planned or unplanned) performed before the onset of labour. Emergency caesarean section: a caesarean section performed after the onset of labour, whether or not the onset of labour was spontaneous.

# Confinement

Refers to a woman having given birth. In a multiple pregnancy, 1 confinement will result in more than 1 birth.

Injection of analgesic agent outside the dura mater which covers the spinal canal; includes lumbar, spinal, and epidural anaesthetics.

# **Episiotomy**

An incision of the perineum and vagina to enlarge the vulval

# Gestational age

The duration of pregnancy in completed weeks from the first day of the last normal menstrual period. Where accurate information on the date of the last menstrual period is not available, a clinical estimate of gestational age may be obtained from ultrasound during the first half of pregnancy or by examination of the newborn infant. The 'best estimate' is used in this report.

# Induction of labour

Oxytocics-prostaglandins: the initiation of labour by the use of oxytocic agents, prostaglandins, or their derivatives (oral, intravaginal or intravenous).

ARM only: the initiation of labour by artificial rupture of membranes.

Oxytocics-prostaglandins and ARM: both medical and surgical induction as defined above (combined medical and surgical induction).

# Live birth

The complete expulsion or extraction from its mother of a baby who, after being born, breathes or shows any evidence of life such as a heartbeat.

# **Parity**

The total number of live births and stillbirths of the mother before the pregnancy or birth under consideration.

# Perinatal death

A stillbirth or neonatal death.

# Perinatal mortality rate

The number of perinatal deaths (stillbirths and neonatal deaths) per 1,000 total births in a year (live births and stillbirths combined).

# Perineal status

1st degree tear: a perineal graze-laceration-tear involving: the fourchette, hymen, labia, skin, vagina, or vulva.

2nd degree tear: a perineal laceration or tear involving the pelvic floor or perineal muscles or vaginal muscles.

3rd degree tear: a perineal laceration—tear involving the anal sphincter or rectovaginal septum.

4th degree tear: a third degree perineal laceration or tear which also involves the anal mucosa or rectal mucosa.

# Plurality

The number of fetuses in utero at 20 weeks gestation that are subsequently born separately. On this basis pregnancy may be classified as single or multiple.

# Premature infant

An infant born before 37 completed weeks gestation.

The complete expulsion or extraction from its mother of a product of conception of at least 20 weeks gestation or 400 grams birth weight who did not, at any time after birth, breathe, or show any evidence of life such as a heartbeat.

# Appendix 2: Explanatory notes

## Antenatal care

Up to 2010, the guestion asked at data collection was 'Duration of pregnancy at first antenatal visit'. From 2011, the question asked is: 'Duration of pregnancy at first comprehensive booking or assessment by clinician'. The new question has more specifically defined the type of visit to be reported and resulted in a substantial decrease in the reported proportion of mothers who commenced antenatal care before 14 weeks gestation between 2010 and 2011.

# Breastfeeding

From 2007, the PDC has collected information on infant feeding at the time of discharge from hospital (or discharge from care for home births) for all infants born in NSW. Infant feeding is reported via 3 tick-box categories: breastfeeding, expressed breast milk and infant formula. More than 1 type of feeding may be reported by ticking multiple boxes. In this report, infant feeding is classified into 3 categories: full breastfeeding, which includes babies who were reported to be breastfed or to be receiving expressed breast milk; any breastfeeding, which includes babies who were reported to be receiving breast milk and infant formula; and infant formula only (no breastfeeding).

# Place of residence of mother

The mother's usual residence was the basis for coding to statistical local areas and NSW Local Health Districts.

# Labour

The category labour—spontaneous with oxytocics prostaglandins was used where labour was augmented with artificial rupture of membranes as well as oxytocics or prostaglandins.

# Maternity service level

Level 1: local maternity service (no births), postnatal only for women with normal outcomes.

Level 2: small maternity services, normal risk pregnancy and births only. Staffed by general practitioners and midwives. Level 3: country district and smaller metropolitan services, care for mothers and infants at normal selected moderate risk pregnancies and births. Full resuscitation and theatre facilities available. Rostered obstetricians, resident medical staff and midwives. Accredited general practitioners specialist anaesthetist on call. Has Level 2b neonatal care.

Level 4: regional referral metropolitan district services. Birth and care for mothers and/or babies with moderate risk factors. Obstetricians and paediatrician available 24 hours a day, 7 days a week. Rostered resident medical staff, specialist anaesthetist on call. Has Level 2b neonatal care.

Level 5: regional referral metropolitan services, care for mothers and infants known to be at high risk. Able to cope with complications arising from these risk factors. Has Level 2a neonatal care.

Level 6: (tertiary) specialist obstetric services (supra regional). All functions normal, moderate and high risk births. Has Level 3 neonatal intensive care.

# Type of birth

The 'vaginal breech' category covers all forms of vaginal breech birth, including forceps to the after coming head.

# Perinatal mortality rate

Perinatal deaths include deaths reported to the PDC only. As the PDC form is completed at discharge or transfer of the baby, deaths occurring after this time may not be reported to the PDC. Birth and perinatal death registration data held by the Australian Bureau of Statistics (ABS) give the most complete ascertainment of perinatal deaths for calculation of rates.

# Appendix 3: Maternal Countries Of Birth and country of birth groups

**English speaking** Australia Australian External Territories, nec Bermuda Canada England Guernsey Ireland Isle of Man Jersey New Zealand Norfolk Island Northern Ireland Scotland South Africa St Pierre and Miguelon United States of America

Melanesia, Micronesia & **Polynesia** Cook Islands

Wales

French Polynesia Guam

Kiribati Marshall Islands Micronesia, Federated States of

Nauru

New Caledonia Niue

Northern Mariana

Islands Palau

Papua New Guinea Pitcairn Islands Polynesia (excludes

Hawaii), nec Samoa

Samoa, American

Solomon Islands Tokelau

Tonga Tuvalu Vanuatu

Wallis and Futuna

**Southern Europe** Albania Andorra

Bosnia and Herzegovina Bulgaria Croatia Cyprus

Former Yugoslav Republic of Macedonia (FYROM) Gibraltar Greece

Holy See Italy Kosovo Malta Moldova Montenegro Portugal

Romania San Marino Serbia Slovenia Spain

Western and **Northern Europe** 

Aland Islands Austria Belgium Denmark Faroe Islands Finland France Germany Greenland Iceland Liechtenstein Luxembourg Monaco Netherlands Norway

Sweden

Armenia

Switzerland

Eastern Europe, Russia and **Central Asian States** Afghanistan

Azerbaijan Belarus Czech Republic Estonia Georgia Hungary

Kazakhstan Kyrgyzstan Latvia Lithuania

Poland Russian Federation Slovakia

Taiikistan Turkmenistan Ukraine Uzbekistan

Middle East and Africa

Algeria Angola Bahrain Benin Botswana Burkina Faso Burundi Cameroon Cape Verde Central African Republic Chad

Comoros Congo, Democratic Republic of Congo, Republic of Cote d'Ivoire Djibouti

Egypt Equatorial Guinea Eritrea Ethiopia Gabon Gambia

Gaza Strip and West Bank Ghana

Guinea-Bissau Iran Iraq

Guinea

Israel

Jordan

Kenya Kuwait Lebanon Lesotho Liberia Libya Madagascar Malawi

Mali Mauritania Mauritius Mayotte

Morocco Mozambique Namibia Niger

Nigeria Oman Qatar Reunion Rwanda Sao Tome and

Saudi Arabia Senegal Seychelles Sierra Leone

Principe

Somalia

South Sudan Southern and East Africa, nec Spanish North Africa St Helena

Sudan Swaziland Syria Tanzania

Togo Tunisia Turkey Uganda United Arab **Emirates** Western Sahara

Yemen Zambia Zimbabwe

**South East Asia** Brunei Darussalam

Cambodia Indonesia

Laos Malaysia Myanmar, The Republic of the Union of **Philippines** Singapore Thailand

Timor-Leste

Vietnam

**North East Asia** China (excludes SARs and Taiwan) Hong Kong (SAR of China) Japan

Korea, Democratic People's Republic of

(North) Korea, Republic of (South)

Macau (SAR of China) Mongolia Taiwan

Southern Asia Bangladesh Bhutan India Maldives Nepal Pakistan

Sri Lanka **Central and South** 

**America** Anguilla Antigua and Barbuda **Argentina** Aruba **Bahamas** Barbados Belize

Bolivia, Plurinational State of Bonaire, Sint

Eustatius and Saba Brazil

Cayman Islands Chile

Colombia Costa Rica Cuba Curacao Dominica

Dominican Republic **Ecuador** El Salvador Falkland Islands

French Guiana Grenada Guadeloupe Guatemala Guyana Haiti Honduras Jamaica Martinique Mexico

Montserrat Nicaragua Panama Paraguay Peru Puerto Rico

Sint Maarten (Dutch part) South America, nec St Barthelemy

St Kitts and Nevis St Lucia

St Martin (French part)

St Vincent and the Grenadines Suriname

Trinidad and Tobago Turks and Caicos

Islands Uruguay Venezuela. Bolivarian Republic

of Virgin Islands, British

Virgin Islands, **United States** 

# Appendix 4: NSW Perinatal Data Collection form

NSW	<b>PER</b>	IN/	<b>IAT</b>	_ D/	<b>ATA</b>	C	OL	LE(	CTION					
Mother's	Unit	_		_		$\neg$	_	_	٦					I
Record I			Ш	$\perp$						Hospita	ıl _			Code
First Nar	е									Family	Name _			
Address														Postcode
Mother's				1					LABOUR	AND D	ELIVERY	(cont.)		MATERNITY CARE
birth dat					$\perp$	$\perp$		Pres	entation at b	irth 1		Brow		Model of care: Antenatal care Birth (for shared care tick more than one box)
Country	da <b>of birth</b>	ıy	month	Aust	year ralia		101		Vertex Breech		Shoulder/tr		— <sup>4</sup> 5	Private obstetrician
If other, s				c	Other	ユ			Face	3		Other	6	Hospital-based medical
ii ouioi, c	oony.							Anal	gesia for labo None	ur (tici		ore) al/caudal		General practitioner
Indigen	us status	<b>:</b> :	A I-		ther	Bal	by	N	litrous oxide			combined +epidural	$\forall$	Hospital-based midwife/midwives Independent midwife
	Т	orres	AD: Strait I:	origina slande	-	-	$ \begin{vmatrix} 1 \\ 2 \end{vmatrix}$	Syste	emic opioids		spinal-			Not applicable
Abori	inal and T				-	F	3 4	_	Spinal	Ш		Other		Was mother in a midwifery continuity of carer program for antenatal, birth and
	PREVIO		ne of the				4		of birth mal vaginal	<b>7</b> ₁ ′	Vag. breec	:h-forceps	<b>4</b>	postnatal care? Yes 1 No 0
	pregnand an 20 we	су	Ye			$\overline{\Box}$	0		Forceps	2 Vag	g. breech-r	no forceps	5	Mother referred from Yes 1 No 0
greater t If yes:	a11 20 WE	eks ?	. 2			T	7		acuum extr esarean sectio	] 3 on. main i		an section	6	If yes, specify hospital
	ous pregna		s > 20 w	/eeks	L				Failure to	progres			П <sub>2</sub>	Defended anias to constant and anias to constant and anias to constant anias to constant and anias to constant anias to
	ast birth b n section?		Ye	s	1 No	)	0				ated more t		3	Referral prior to onset of labour 1  Referral after onset of labour 2
Total nur	ber of pre	vious	caesar	ean					Fetal dist		esarean s	oction	4 5	Baby place of birth
occilorio.	THIS	PRI	GNAI	NCY					Other clir	nical indi	cation	COLIOIT	6	Hospital theatre/delivery suite 1 Birth centre 2
Date of E	эс							Anac	Non-clini sthesia for d			r more)	7	Birth centre 2 Planned birth centre/delivery suite birth 3
	d	ay	month	 1	yea			Allac	None			ral/caudal		Planned homebirth 4
	care rec	eived	? Ye	S 1	ı No	)	0	Loc	al to perineum	$\vdash$	spinal	Combined +epidural		Planned homebirth/hospital admission 5 Born before arrival 6
If yes: Duratio	n of pregn hensive b	ancy	at first			Т	7	1	Pudenda Spina	$\vdash$	General an	aesthetic		Born before arrival 6  POSTNATAL
assess	nent by cl	inicia	n n		$\vdash$	+	-	Perir	neal status			Other		Mother
Numbe	of antena	atal vi	sits						Intac	1	3rd	deg. tear	4	Postpartum haemorrhage Yes 1 No 0 requiring blood transfusion
Medical	ondition	s	Dial	betes r	nellitu	S		1st d	eg. tear/graze	=	4th	deg. tear	5	Baby Congenital condition? Yes 1 No 0
			Gestati	onal d	iabete	s		Epis	2nd deg. tear iotomy	3		Other	6	If yes, specify:
			Chronic	• .		-	-	ļ	Yes			No	0	Admitted to SCN/NICU Yes 1 No 0
		Gos	tational	Preecl	•		=	Jurg	i <b>cal repair of</b> Yes		illa or per	No	0	If yes, was a congenital condition the main reason for admission?
	Hepatitis			• .		=	i	Man	agement of t			siological		for admission? Yes 1 No 0 Vitamin K Oral 1 IM 2 None 3
Did the	other sm	oke a	atall 、	es .	-	10 L	_ 		Active	BA		siological		Hepatitis B birth dose Yes 1 No 0
If yes, ho	v many ci	garett	es each	day o	n	T	1	Unit	Record No.					DISCHARGE
Did the	the 1st h	noke	atall 、	vos	   1	No O	١,							Mother Baby Discharged 1 Discharged 1
If yes, ho	v many ci	garett	. <b>y</b> : es each	n day o	J	T_		Birth	date:	$\top$		1 1		Transferred 2 Transferred 2
average	the 2nd			,		<u>_</u>			da		onth	year	_	Died 3 Stillbirth 3 Died 4
Onset of	labour	N AI	ID DE					Sex:	M	1 F		Indet.	3	Died   4 Transferred and died   5
	neous labour	1   -		Ir	nduced	1	2	Plura	•	Single	ш .	Multiple	2	Mother's date of discharge
	ugmented	3 d∕ indu	ıced (tic	k one	or mo	re):			If multiple, to	al numb	er			day month year
O	ytocins	]			ARM	$\vdash$			If multiple bir	th, specif	fy baby nur	mber		Hospital mother transferred to:
Prostag		<u>.</u>			Othe			Birth	weight (gra	ms)		Т	Н	Baby feeding on Breast-feeding hospital discharge
It labour i	nduced, m		<i>idicatior</i> Typerter		abetes isease		1 2		(g.a.	,				(tick one or more) Expressed breast milk Infant formula
			• •	etal di			3	Estin	nated gestation	onal age	t			Baby's date
					death		4	Apga	r			$\neg \vdash$	H	of discharge
	Di-	od ~-		rioamr			5				1 mi	n 5 n	nin	day month year Hospital baby
		-	oup isoi pture of				6 7		scitation of b	-	1 mii ck one or r			transferred to:
	Prolonge						8	None	e/minimal Suction	1 2 IP		PR: mask	4	Baby transferred by NETS Yes 1 No 0
Sus	ected intr	auteri	ne grow	th rest			9 10	(	Suction	3	PR: with in Externa	l cardiac	5 6	Signature of midwife at discharge
					Other	$\bot$	10	Please		ma	issage + ve	entilation		-



