

## 6. NSW hospitals

### Onset and augmentation of labour

Table 33 shows onset or augmentation of labour for area health services, and Table 34 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2007.

**Table 33. Onset and augmentation of labour by health area of hospital, NSW, 2007**

Health area	Onset and augmentation of labour																			
	Spontaneous		Spontaneous, augmented with ARM		Spontaneous, augmented with oxytocics/prostaglandins <sup>#</sup>		No labour		Induced – oxytocics/prostaglandins		Induced – ARM only		Induced – ARM + oxytocics/prostaglandins		Induced – other <sup>##</sup>		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	7750	45.2	1265	7.4	1951	11.4	2341	13.6	1415	8.2	200	1.2	2187	12.8	41	0.2	2	0.0	17 152	100.0
South-Eastern Sydney and Illawarra	4636	41.1	868	7.7	948	8.4	1672	14.8	1110	9.8	214	1.9	1807	16.0	15	0.1	2	0.0	11 272	100.0
Sydney West	5930	43.2	947	6.9	940	6.8	2027	14.8	1370	10.0	207	1.5	2296	16.7	13	0.1	3	0.0	13 733	100.0
Northern Sydney and Central Coast	3627	45.1	493	6.1	705	8.8	1204	15.0	909	11.3	99	1.2	1010	12.5	1	0.0	0	0.0	8048	100.0
Hunter and New England	4227	46.8	691	7.6	736	8.1	1089	12.1	891	9.9	168	1.9	1204	13.3	29	0.3	1	0.0	9036	100.0
North Coast	2627	45.8	605	10.5	482	8.4	805	14.0	492	8.6	113	2.0	582	10.1	28	0.5	1	0.0	5735	100.0
Greater Southern	1557	44.5	405	11.6	271	7.7	473	13.5	439	12.5	86	2.5	254	7.3	14	0.4	0	0.0	3499	100.0
Greater Western	1544	41.0	464	12.3	297	7.9	540	14.3	327	8.7	109	2.9	453	12.0	26	0.7	5	0.1	3765	100.0
Private hospitals	6258	28.2	1597	7.2	2223	10.0	5727	25.8	1653	7.4	452	2.0	4210	18.9	96	0.4	6	0.0	22 222	100.0
TOTAL***	38 291	40.5	7339	7.8	8553	9.0	15 878	16.8	8607	9.1	1648	1.7	14 003	14.8	263	0.3	20	0.0	94 602	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

<sup>#</sup>May include artificial rupture of membranes (ARM).

<sup>##</sup>This category includes other forms of induction such as Foley's catheter.

<sup>\*\*\*</sup>Total includes mothers who gave birth at home assisted by independent midwives.

Table 34. Onset and augmentations of labour by hospital, NSW, 2007#

Maternity service level/hospital	Onset and augmentation of labour																			
	Spontaneous		Spontaneous, augmented with ARM		Spontaneous, augmented oxytocics/prostaglandins##		No labour		Induced – oxytocics/prostaglandins		Induced – ARM only		Induced – ARM + oxytocics/prostaglandins		Induced – other###		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<b>Level 6</b>																				
Royal Prince Alfred*	2351	46.4	0	0	799	15.8	807	15.9	407	8.0	76	1.5	616	12.2	6	0.1	0	0.0	5062	100.0
Royal North Shore	958	41.8	119	5.2	260	11.3	378	16.5	236	10.3	23	1.0	318	13.9	1	0.0	0	0.0	2293	100.0
Royal Hospital for Women	1624	38.8	317	7.6	308	7.4	756	18.1	447	10.7	100	2.4	629	15.0	5	0.1	0	0.0	4186	100.0
Liverpool	1365	45.2	294	9.7	279	9.2	402	13.3	273	9.0	25	0.8	372	12.3	13	0.4	0	0.0	3023	100.0
Nepean	1640	44.1	235	6.3	148	4.0	634	17.1	315	8.5	84	2.3	655	17.6	4	0.1	2	0.1	3717	100.0
Westmead	1531	36.9	333	8.0	420	10.1	663	16.0	462	11.1	38	0.9	703	16.9	1	0.0	1	0.0	4152	100.0
John Hunter	1891	50.3	155	4.1	343	9.1	426	11.3	352	9.4	79	2.1	497	13.2	17	0.5	0	0.0	3760	100.0
Total	11360	43.4	1453	5.5	2557	9.8	4066	15.5	2492	9.5	425	1.6	3790	14.5	47	0.2	3	0.0	26193	100.0
<b>Level 5</b>																				
Gosford	1046	41.7	167	6.7	194	7.7	424	16.9	315	12.5	25	1.0	339	13.5	0	0.0	0	0.0	2510	100.0
St George	1135	43.2	153	5.8	285	10.8	329	12.5	287	10.9	46	1.7	389	14.8	3	0.1	2	0.1	2629	100.0
Blacktown	1376	44.4	202	6.5	220	7.1	397	12.8	294	9.5	34	1.1	568	18.3	5	0.2	0	0.0	3096	100.0
Lismore Base	613	45.9	103	7.7	86	6.4	213	16.0	151	11.3	43	3.2	118	8.8	8	0.6	0	0.0	1335	100.0
Tweed Heads	503	41.5	122	10.1	157	13.0	159	13.1	85	7.0	20	1.7	164	13.5	2	0.2	0	0.0	1212	100.0
Dubbo Base	412	34.9	155	13.1	121	10.2	162	13.7	66	5.6	55	4.7	197	16.7	12	1.0	1	0.1	1181	100.0
Wollongong	892	38.1	277	11.8	221	9.4	209	8.9	152	6.5	34	1.5	549	23.5	7	0.3	0	0.0	2341	100.0
Maitland	762	48.4	65	4.1	86	5.5	206	13.1	171	10.9	23	1.5	257	16.3	5	0.3	1	0.1	1576	100.0
Wagga Wagga Base	302	38.1	117	14.8	57	7.2	107	13.5	112	14.1	12	1.5	84	10.6	2	0.3	0	0.0	793	100.0
Total	7041	42.2	1361	8.2	1427	8.6	2206	13.2	1633	9.8	292	1.8	2665	16.0	44	0.3	4	0.0	16673	100.0
<b>Level 4</b>																				
Canterbury	738	45.8	148	9.2	205	12.7	193	12.0	140	8.7	12	0.7	177	11.0	0	0.0	0	0.0	1613	100.0
Hornsby	534	43.7	106	8.7	134	11.0	174	14.2	116	9.5	13	1.1	145	11.9	0	0.0	0	0.0	1222	100.0
Manly	449	49.0	50	5.5	83	9.1	101	11.0	115	12.5	19	2.1	100	10.9	0	0.0	0	0.0	917	100.0
Mona Vale	327	43.5	19	2.5	29	3.9	126	16.8	127	16.9	17	2.3	107	14.2	0	0.0	0	0.0	752	100.0
Sutherland	556	48.1	68	5.9	103	8.9	151	13.1	101	8.7	16	1.4	161	13.9	0	0.0	0	0.0	1156	100.0
Auburn	758	53.8	85	6.0	109	7.7	134	9.5	163	11.6	5	0.4	155	11.0	1	0.1	0	0.0	1410	100.0
Campbelltown	1111	42.7	297	11.4	186	7.2	391	15.0	210	8.1	40	1.5	351	13.5	11	0.4	2	0.1	2599	100.0
Bankstown–Lidcombe	983	46.0	199	9.3	177	8.3	243	11.4	192	9.0	25	1.2	313	14.6	5	0.2	0	0.0	2137	100.0
Hawkesbury	393	46.7	43	5.1	17	2.0	120	14.3	88	10.5	33	3.9	146	17.4	1	0.1	0	0.0	841	100.0
Coffs Harbour	353	39.1	128	14.2	72	8.0	160	17.7	69	7.6	21	2.3	90	10.0	9	1.0	1	0.1	903	100.0
Port Macquarie Base	383	48.8	97	12.4	38	4.8	107	13.6	44	5.6	11	1.4	100	12.7	5	0.6	0	0.0	785	100.0
Tamworth Base	338	38.0	115	12.9	80	9.0	111	12.5	91	10.2	13	1.5	139	15.6	3	0.3	0	0.0	890	100.0
Manning Base	298	41.4	108	15.0	51	7.1	95	13.2	54	7.5	16	2.2	97	13.5	1	0.1	0	0.0	720	100.0
Orange Base	322	35.2	147	16.1	66	7.2	145	15.8	54	5.9	28	3.1	141	15.4	8	0.9	4	0.4	915	100.0
Goulburn Base	145	49.7	26	8.9	59	20.2	49	16.8	10	3.4	0	0	3	1.0	0	0.0	0	0.0	292	100.0
Griffith Base	232	51.2	44	9.7	23	5.1	64	14.1	39	8.6	30	6.6	21	4.6	0	0.0	0	0.0	453	100.0
Other hospitals	82	91.1	8	8.9	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	90	100.0
Total	8002	45.2	1688	9.5	1432	8.1	2364	13.4	1613	9.1	299	1.7	2246	12.7	44	0.2	7	0.0	17695	100.0
<b>Level 3</b>																				
Blue Mountains	161	56.3	14	4.9	14	4.9	34	11.9	18	6.3	7	2.4	38	13.3	0	0.0	0	0.0	286	100.0
Fairfield	971	48.0	256	12.6	222	11.0	229	11.3	141	7.0	10	0.5	190	9.4	6	0.3	0	0.0	2025	100.0
Grafton Base	199	39.0	52	10.2	58	11.4	79	15.5	76	14.9	2	0.4	44	8.6	0	0.0	0	0.0	510	100.0
Kempsey	157	54.1	32	11.0	20	6.9	25	8.6	34	11.7	5	1.7	17	5.9	0	0.0	0	0.0	290	100.0
Murwillumbah	168	44.3	30	7.9	43	11.3	61	16.1	29	7.7	6	1.6	38	10.0	4	1.1	0	0.0	379	100.0
Armidale	159	35.1	80	17.7	38	8.4	73	16.1	41	9.1	6	1.3	54	11.9	2	0.4	0	0.0	453	100.0
Inverell	37	13.7	18	6.7	63	23.3	67	24.8	39	14.4	1	0.4	44	16.3	1	0.4	0	0.0	270	100.0
Moree	98	43.2	35	15.4	25	11.0	19	8.4	24	10.6	1	0.4	25	11.0	0	0.0	0	0.0	227	100.0
Mudgee	120	47.8	15	6.0	12	4.8	37	14.7	37	14.7	5	2.0	23	9.2	2	0.8	0	0.0	251	100.0
Bathurst Base	297	54.5	41	7.5	19	3.5	95	17.4	63	11.6	9	1.7	20	3.7	1	0.2	0	0.0	545	100.0

(Continued)

Table 34. (Continued)

Maternity service level/hospital	Onset and augmentation of labour																			
	Spontaneous		Spontaneous, augmented with ARM		Spontaneous, augmented oxytocics/prostaglandins <sup>##</sup>		No labour		Induced – oxytocics/prostaglandins		Induced – ARM only		Induced – ARM + oxytocics/prostaglandins		Induced – other <sup>###</sup>		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Cowra	67	33.2	43	21.3	22	10.9	21	10.4	20	9.9	0	0	27	13.4	2	1.0	0	0.0	202	100.0
Lithgow	71	30.7	35	15.2	12	5.2	45	19.5	30	13.0	6	2.6	31	13.4	1	0.4	0	0.0	231	100.0
Moruya	162	46.7	41	11.8	24	6.9	43	12.4	45	13.0	9	2.6	21	6.1	2	0.6	0	0.0	347	100.0
Queanbeyan	153	52.6	23	7.9	10	3.4	35	12.0	55	18.9	4	1.4	8	2.7	3	1.0	0	0.0	291	100.0
Bowral	231	33.3	71	10.2	83	12.0	76	11.0	52	7.5	12	1.7	168	24.2	0	0.0	0	0.0	693	100.0
Shoalhaven	380	46.1	45	5.5	20	2.4	207	25.1	91	11.0	16	1.9	66	8.0	0	0.0	0	0.0	825	100.0
Muswellbrook	145	67.4	12	5.6	6	2.8	22	10.2	12	5.6	11	5.1	7	3.3	0	0.0	0	0.0	215	100.0
Broken Hill Base	136	50.4	23	8.5	20	7.4	40	14.8	42	15.6	1	0.4	8	3.0	0	0.0	0	0.0	270	100.0
Other hospitals	822	42.8	238	12.4	142	7.4	235	12.2	258	13.4	47	2.4	172	8.9	8	0.4	0	0.0	1922	100.0
<b>Total</b>	<b>4534</b>	<b>44.3</b>	<b>1104</b>	<b>10.8</b>	<b>853</b>	<b>8.3</b>	<b>1443</b>	<b>14.1</b>	<b>1107</b>	<b>10.8</b>	<b>158</b>	<b>1.5</b>	<b>1001</b>	<b>9.8</b>	<b>32</b>	<b>0.3</b>	<b>0</b>	<b>0.0</b>	<b>10 232</b>	<b>100.0</b>
<b>Level 2</b>																				
Wyong	231	87.5	24	9.1	5	1.9	1	0.4	0	0	2	0.8	1	0.4	0	0.0	0	0.0	264	100.0
Other hospitals	694	60.6	106	9.3	56	4.9	71	6.2	108	9.4	20	1.7	90	7.9	0	0.0	0	0.0	1145	100.0
<b>Total</b>	<b>925</b>	<b>65.6</b>	<b>130</b>	<b>9.2</b>	<b>61</b>	<b>4.3</b>	<b>72</b>	<b>5.1</b>	<b>108</b>	<b>7.7</b>	<b>22</b>	<b>1.6</b>	<b>91</b>	<b>6.5</b>	<b>0</b>	<b>0.0</b>	<b>0</b>	<b>0.0</b>	<b>1409</b>	<b>100.0</b>
<b>Private</b>																				
Mater, North Sydney	618	27.7	173	7.7	231	10.3	646	28.9	180	8.1	69	3.1	302	13.5	15	0.7	0	0.0	2234	100.0
North Shore Private	713	26.4	208	7.7	330	12.2	793	29.4	151	5.6	81	3.0	412	15.3	10	0.4	0	0.0	2698	100.0
Sydney Adventist	991	45.4	0	0	1	0.0	527	24.2	126	5.8	28	1.3	505	23.2	3	0.1	0	0.0	2181	100.0
North Gosford Private	210	23.9	58	6.6	81	9.2	262	29.8	84	9.5	33	3.8	138	15.7	12	1.4	2	0.2	880	100.0
Hurstville Community	202	23.1	68	7.8	108	12.4	240	27.5	57	6.5	8	0.9	186	21.3	5	0.6	0	0.0	874	100.0
Kareena Private	83	14.9	24	4.3	44	7.9	211	37.8	40	7.2	18	3.2	134	24.0	4	0.7	0	0.0	558	100.0
St George Private	449	24.5	120	6.5	284	15.5	463	25.2	201	11.0	47	2.6	263	14.3	8	0.4	0	0.0	1835	100.0
Prince of Wales Private	454	23.0	258	13.1	212	10.7	573	29.0	141	7.1	55	2.8	273	13.8	9	0.5	1	0.1	1976	100.0
The Hills Private	285	22.0	92	7.1	162	12.5	238	18.4	76	5.9	15	1.2	422	32.6	4	0.3	0	0.0	1294	100.0
Sydney Southwest Private	319	29.4	77	7.1	137	12.6	242	22.3	90	8.3	8	0.7	210	19.3	1	0.1	2	0.2	1086	100.0
Nepean Private	251	29.9	74	8.8	80	9.5	198	23.6	73	8.7	5	0.6	152	18.1	6	0.7	0	0.0	839	100.0
Westmead Private	485	23.4	200	9.7	309	14.9	451	21.8	150	7.2	18	0.9	454	21.9	3	0.1	0	0.0	2070	100.0
Figtree Private	180	18.4	91	9.3	86	8.8	211	21.6	66	6.7	7	0.7	337	34.4	1	0.1	0	0.0	979	100.0
Newcastle Private	720	38.7	79	4.2	108	5.8	443	23.8	90	4.8	47	2.5	359	19.3	14	0.8	1	0.1	1861	100.0
Calvary, Wagga Wagga	234	41.6	32	5.7	27	4.8	133	23.6	106	18.8	3	0.5	27	4.8	1	0.2	0	0.0	563	100.0
Other hospitals	64	21.8	43	14.6	23	7.8	96	32.7	22	7.5	10	3.4	36	12.2	0	0	0	0.0	294	100.0
<b>Total</b>	<b>6258</b>	<b>28.2</b>	<b>1597</b>	<b>7.2</b>	<b>2223</b>	<b>10.0</b>	<b>5727</b>	<b>25.8</b>	<b>1653</b>	<b>7.4</b>	<b>452</b>	<b>2.0</b>	<b>4210</b>	<b>18.9</b>	<b>96</b>	<b>0.4</b>	<b>6</b>	<b>0.0</b>	<b>22 222</b>	<b>100.0</b>
<b>TOTAL NSW**</b>	<b>38 291</b>	<b>40.5</b>	<b>7 339</b>	<b>7.8</b>	<b>8 553</b>	<b>9.0</b>	<b>15 878</b>	<b>16.8</b>	<b>8 607</b>	<b>9.1</b>	<b>1 648</b>	<b>1.7</b>	<b>14 003</b>	<b>14.8</b>	<b>263</b>	<b>0.3</b>	<b>20</b>	<b>0.0</b>	<b>94 602</b>	<b>100.0</b>

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

<sup>#</sup>Hospitals with more than 200 births are identified individually. Obstetric service levels are described on page 13 of the Methods chapter.

<sup>##</sup>May include artificial rupture of membranes (ARM).

<sup>###</sup>This category includes other forms of induction such as Foleys catheter.

\*Royal Prince Alfred Hospital reports augmentation by oxytocin/prostaglandin only.

\*\*Total NSW includes mothers who gave birth at home assisted by independent midwives and mothers who gave birth at Level 1 hospitals.

## Type of birth

Table 35 shows type of birth for area health services, and Table 36 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2007.

**Table 35. Type of birth by health area of hospital, NSW, 2007**

Health area	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 South West	11 365	66.3	453	2.6	1117	6.5	67	0.4	2341	13.6	1805	10.5	4	0.0	17 152	100.0
South-Eastern Sydney and Illawarra	6785	60.2	419	3.7	932	8.3	46	0.4	1672	14.8	1418	12.6	0	0.0	11 272	100.0
Sydney West	8734	63.6	467	3.4	734	5.3	53	0.4	2027	14.8	1718	12.5	0	0.0	13 733	100.0
Northern Sydney and Central Coast	4750	59.0	304	3.8	593	7.4	27	0.3	1204	15.0	1170	14.5	0	0.0	8048	100.0
Hunter and New England	6123	67.8	311	3.4	476	5.3	90	1.0	1089	12.1	946	10.5	1	0.0	9036	100.0
North Coast	3908	68.1	103	1.8	243	4.2	22	0.4	805	14.0	644	11.2	10	0.2	5735	100.0
Greater Southern	2302	65.8	98	2.8	236	6.7	7	0.2	473	13.5	382	10.9	1	0.0	3499	100.0
Greater Western	2476	65.8	67	1.8	188	5.0	16	0.4	540	14.3	450	12.0	28	0.7	3765	100.0
Private hospitals	10 070	45.3	1051	4.7	2260	10.2	51	0.2	5727	25.8	3039	13.7	24	0.1	22 222	100.0
TOTAL*	56 648	59.9	3273	3.5	6779	7.2	381	0.4	15 878	16.8	11 572	12.2	71	0.1	94 602	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.  
<sup>#</sup>Emergency caesarean section includes caesarean section where the onset of labour was not stated.  
\*Total includes mothers who gave birth at home assisted by independent midwives.

**Table 36. Type of birth by hospital and maternity service level, NSW, 2007<sup>#</sup>**

Maternity service level/hospital	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.	%
<b>Level 6</b>																
Royal Prince Alfred	2834	56.0	304	6.0	366	7.2	21	0.4	807	15.9	728	14.4	2	0.0	5062	100.0
Royal North Shore	1279	55.8	135	5.9	116	5.1	9	0.4	378	16.5	376	16.4	0	0.0	2293	100.0
Royal Hospital for Women	2146	51.3	272	6.5	388	9.3	22	0.5	756	18.1	602	14.4	0	0.0	4186	100.0
Liverpool	2061	68.2	43	1.4	201	6.6	16	0.5	402	13.3	300	9.9	0	0.0	3023	100.0
Nepean	2205	59.3	83	2.2	250	6.7	14	0.4	634	17.1	531	14.3	0	0.0	3717	100.0
Westmead	2523	60.8	222	5.3	228	5.5	18	0.4	663	16.0	498	12.0	0	0.0	4152	100.0
John Hunter	2469	65.7	184	4.9	186	4.9	71	1.9	426	11.3	424	11.3	0	0.0	3760	100.0
Total	15 517	59.2	1243	4.7	1735	6.6	171	0.7	4066	15.5	3459	13.2	2	0.0	26 193	100.0
<b>Level 5</b>																
Gosford	1384	55.1	45	1.8	219	8.7	9	0.4	424	16.9	429	17.1	0	0.0	2510	100.0
St George	1649	62.7	68	2.6	259	9.9	8	0.3	329	12.5	316	12.0	0	0.0	2629	100.0
Blacktown	2038	65.8	97	3.1	155	5.0	9	0.3	397	12.8	400	12.9	0	0.0	3096	100.0
Lismore Base	864	64.7	36	2.7	35	2.6	5	0.4	213	16.0	178	13.3	4	0.3	1335	100.0
Tweed Heads	820	67.7	17	1.4	71	5.9	7	0.6	159	13.1	137	11.3	1	0.1	1212	100.0
Dubbo Base	805	68.2	25	2.1	45	3.8	3	0.3	162	13.7	120	10.2	21	1.8	1181	100.0
Wollongong	1618	69.1	36	1.5	175	7.5	11	0.5	209	8.9	292	12.5	0	0.0	2341	100.0
Maitland	1044	66.2	44	2.8	86	5.5	8	0.5	206	13.1	188	11.9	0	0.0	1576	100.0
Wagga Wagga Base	502	63.3	26	3.3	50	6.3	3	0.4	107	13.5	105	13.2	0	0.0	793	100.0
Total	10 724	64.3	394	2.4	1095	6.6	63	0.4	2206	13.2	2165	13.0	26	0.2	16 673	100.0
<b>Level 4</b>																
Canterbury	1090	67.6	25	1.5	126	7.8	3	0.2	193	12.0	176	10.9	0	0.0	1613	100.0
Hornsby	744	60.9	63	5.2	82	6.7	2	0.2	174	14.2	157	12.8	0	0.0	1222	100.0
Manly	603	65.8	42	4.6	61	6.7	3	0.3	101	11.0	107	11.7	0	0.0	917	100.0
Mona Vale	406	54.0	17	2.3	108	14.4	2	0.3	126	16.8	93	12.4	0	0.0	752	100.0
Sutherland	799	69.1	15	1.3	86	7.4	5	0.4	151	13.1	100	8.7	0	0.0	1156	100.0
Auburn	1076	76.3	30	2.1	40	2.8	8	0.6	134	9.5	122	8.7	0	0.0	1410	100.0
Campbelltown	1852	71.3	20	0.8	88	3.4	7	0.3	391	15.0	240	9.2	1	0.0	2599	100.0
Bankstown-Lidcombe	1553	72.7	26	1.2	155	7.3	6	0.3	243	11.4	154	7.2	0	0.0	2137	100.0

(Continued)

Table 36. (Continued)

Maternity service level/hospital	Type of birth														TOTAL	
	Normal vaginal		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section <sup>#</sup>		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Hawkesbury	541	64.3	29	3.4	33	3.9	3	0.4	120	14.3	115	13.7	0	0.0	841	100.0
Coffs Harbour	579	64.1	9	1.0	51	5.6	3	0.3	160	17.7	97	10.7	4	0.4	903	100.0
Port Macquarie Base	536	68.3	17	2.2	37	4.7	1	0.1	107	13.6	87	11.1	0	0.0	785	100.0
Tamworth Base	544	61.1	53	6.0	61	6.9	1	0.1	111	12.5	119	13.4	1	0.1	890	100.0
Manning Base	504	70.0	6	0.8	48	6.7	5	0.7	95	13.2	62	8.6	0	0.0	720	100.0
Orange Base	536	58.6	25	2.7	74	8.1	3	0.3	145	15.8	127	13.9	5	0.5	915	100.0
Goulburn Base	177	60.6	24	8.2	8	2.7	1	0.3	49	16.8	33	11.3	0	0.0	292	100.0
Griffith Base	306	67.5	10	2.2	33	7.3	2	0.4	64	14.1	38	8.4	0	0.0	453	100.0
Other hospitals	90	100.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	90	100.0
<b>Total</b>	<b>11 936</b>	<b>67.5</b>	<b>411</b>	<b>2.3</b>	<b>1091</b>	<b>6.2</b>	<b>55</b>	<b>0.3</b>	<b>2364</b>	<b>13.4</b>	<b>1827</b>	<b>10.3</b>	<b>11</b>	<b>0.1</b>	<b>17 695</b>	<b>100.0</b>
<b>Level 3</b>																
Other hospitals	1292	67.2	25	1.3	154	8.0	4	0.2	235	12.2	211	11.0	1	0.1	1922	100.0
Blue Mountains	198	69.2	1	0.3	24	8.4	1	0.3	34	11.9	28	9.8	0	0.0	286	100.0
Fairfield	1530	75.6	11	0.5	93	4.6	13	0.6	229	11.3	149	7.4	0	0.0	2025	100.0
Grafton Base	337	66.1	13	2.5	23	4.5	2	0.4	79	15.5	56	11.0	0	0.0	510	100.0
Kempsey	224	77.2	2	0.7	5	1.7	1	0.3	25	8.6	32	11.0	1	0.3	290	100.0
Murwillumbah	242	63.9	5	1.3	14	3.7	2	0.5	61	16.1	55	14.5	0	0.0	379	100.0
Armidale	308	68.0	7	1.5	12	2.6	1	0.2	73	16.1	52	11.5	0	0.0	453	100.0
Inverell	160	59.3	14	5.2	5	1.9	0	0	67	24.8	24	8.9	0	0.0	270	100.0
Moree	177	78.0	1	0.4	9	4.0	2	0.9	19	8.4	19	8.4	0	0.0	227	100.0
Mudgee	165	65.7	3	1.2	23	9.2	1	0.4	37	14.7	22	8.8	0	0.0	251	100.0
Bathurst Base	353	64.8	6	1.1	9	1.7	2	0.4	95	17.4	79	14.5	1	0.2	545	100.0
Cowra	154	76.2	3	1.5	9	4.5	1	0.5	21	10.4	13	6.4	1	0.5	202	100.0
Lithgow	153	66.2	5	2.2	4	1.7	0	0	45	19.5	24	10.4	0	0.0	231	100.0
Moruya	229	66.0	12	3.5	24	6.9	0	0	43	12.4	39	11.2	0	0.0	347	100.0
Queanbeyan	214	73.5	4	1.4	17	5.8	0	0	35	12.0	21	7.2	0	0.0	291	100.0
Bowral	445	64.2	24	3.5	88	12.7	1	0.1	76	11.0	58	8.4	1	0.1	693	100.0
Shoalhaven	480	58.2	25	3.0	17	2.1	0	0	207	25.1	96	11.6	0	0.0	825	100.0
Muswellbrook	167	77.7	0	0	13	6.0	0	0	22	10.2	13	6.0	0	0.0	215	100.0
Broken Hill Base	181	67.0	5	1.9	8	3.0	1	0.4	40	14.8	35	13.0	0	0.0	270	100.0
<b>Total</b>	<b>7009</b>	<b>68.5</b>	<b>166</b>	<b>1.6</b>	<b>551</b>	<b>5.4</b>	<b>32</b>	<b>0.3</b>	<b>1443</b>	<b>14.1</b>	<b>1026</b>	<b>10.0</b>	<b>5</b>	<b>0.0</b>	<b>10 232</b>	<b>100.0</b>
<b>Level 2</b>																
Other hospitals	978	85.4	6	0.5	40	3.5	3	0.3	71	6.2	47	4.1	0	0.0	1145	100.0
Wyong	244	92.4	2	0.8	7	2.7	2	0.8	1	0.4	8	3.0	0	0.0	264	100.0
<b>Total</b>	<b>1222</b>	<b>86.7</b>	<b>8</b>	<b>0.6</b>	<b>47</b>	<b>3.3</b>	<b>5</b>	<b>0.4</b>	<b>72</b>	<b>5.1</b>	<b>55</b>	<b>3.9</b>	<b>0</b>	<b>0.0</b>	<b>1409</b>	<b>100.0</b>
<b>Private</b>																
Other hospitals	117	39.8	13	4.4	36	12.2	1	0.3	96	32.7	30	10.2	1	0.3	294	100.0
Mater, North Sydney	816	36.5	71	3.2	359	16.1	4	0.2	646	28.9	324	14.5	14	0.6	2234	100.0
North Shore Private	1095	40.6	90	3.3	301	11.2	2	0.1	793	29.4	417	15.5	0	0.0	2698	100.0
Sydney Adventist	1065	48.8	90	4.1	153	7.0	4	0.2	527	24.2	342	15.7	0	0.0	2181	100.0
North Gosford Private	376	42.7	10	1.1	94	10.7	3	0.3	262	29.8	133	15.1	2	0.2	880	100.0
Hurstville Community	352	40.3	22	2.5	114	13.0	0	0	240	27.5	139	15.9	7	0.8	874	100.0
Kareena Private	183	32.8	61	10.9	45	8.1	1	0.2	211	37.8	57	10.2	0	0.0	558	100.0
St George Private	808	44.0	109	5.9	193	10.5	9	0.5	463	25.2	253	13.8	0	0.0	1835	100.0
Prince of Wales Private	839	42.5	68	3.4	211	10.7	2	0.1	573	29.0	283	14.3	0	0.0	1976	100.0
The Hills Private	704	54.4	141	10.9	70	5.4	4	0.3	238	18.4	137	10.6	0	0.0	1294	100.0
Sydney Southwest Private	608	56.0	23	2.1	107	9.9	3	0.3	242	22.3	103	9.5	0	0.0	1086	100.0
Nepean Private	414	49.3	39	4.6	66	7.9	3	0.4	198	23.6	119	14.2	0	0.0	839	100.0
Westmead Private	1032	49.9	200	9.7	133	6.4	7	0.3	451	21.8	247	11.9	0	0.0	2070	100.0
Figtree Private	496	50.7	18	1.8	146	14.9	4	0.4	211	21.6	104	10.6	0	0.0	979	100.0
Newcastle Private	885	47.6	59	3.2	183	9.8	3	0.2	443	23.8	288	15.5	0	0.0	1861	100.0
Calvary, Wagga Wagga	280	49.7	37	6.6	49	8.7	1	0.2	133	23.6	63	11.2	0	0.0	563	100.0
<b>Total</b>	<b>10 070</b>	<b>45.3</b>	<b>1051</b>	<b>4.7</b>	<b>2260</b>	<b>10.2</b>	<b>51</b>	<b>0.2</b>	<b>5727</b>	<b>25.8</b>	<b>3039</b>	<b>13.7</b>	<b>24</b>	<b>0.1</b>	<b>22 222</b>	<b>100.0</b>
<b>TOTAL NSW*</b>	<b>56 648</b>	<b>59.9</b>	<b>3273</b>	<b>3.5</b>	<b>6779</b>	<b>7.2</b>	<b>381</b>	<b>0.4</b>	<b>15 878</b>	<b>16.8</b>	<b>11 572</b>	<b>12.2</b>	<b>71</b>	<b>0.1</b>	<b>94 602</b>	<b>100.0</b>

Source: NSW Midwives Data Collection (HOIST), Centre for Epidemiology and Research, NSW Department of Health.

<sup>#</sup>Hospitals with more than 200 births are identified individually. Obstetric service levels are described on page 13 of the Methods chapter.<sup>\*\*</sup>Emergency caesarean section includes caesarean sections where the onset of labour was not stated.

\*Total NSW includes mothers who gave birth at home assisted by independent midwives and mothers who gave birth at Level 1 hospitals.

## Pain relief

Table 37 shows type of pain relief provided to women during labour or delivery for area health services, and Table 38 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2007.

In addition to the types of pain relief shown in the tables, a further 23 655 (25%) women were reported to have received local anaesthetic to the perineum, and 765 (0.8%) received a pudendal block.

**Table 37. Pain relief by health area of hospital, NSW, 2007**

Health area	Pain relief											
	Epidural – spinal**		General anaesthetic		IM narcotics		Nitrous oxide		Nil		Total#	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	5664	33.0	842	4.9	3495	20.4	7784	45.4	2472	14.4	17 152	100.0
South-Eastern Sydney and Illawarra	5227	46.4	325	2.9	1554	13.8	5055	44.8	1240	11.0	11 272	100.0
Sydney West	5464	39.8	869	6.3	2381	17.3	6443	46.9	1128	8.2	13 733	100.0
Northern Sydney and Central Coast	3571	44.4	289	3.6	1793	22.3	3566	44.3	761	9.5	8048	100.0
Hunter and New England	2729	30.2	430	4.8	2092	23.2	4262	47.2	1302	14.4	9036	100.0
North Coast	1944	33.9	171	3.0	1155	20.1	2765	48.2	1122	19.6	5735	100.0
Greater Southern	1015	29.0	140	4.0	914	26.1	1814	51.8	656	18.7	3499	100.0
Greater Western	1157	30.7	196	5.2	772	20.5	1868	49.6	638	16.9	3765	100.0
Private hospitals	15 108	68.0	477	2.1	2060	9.3	7427	33.4	1012	4.6	22 222	100.0
TOTAL*	41 879	44.3	3739	4.0	16 216	17.1	40 984	43.3	10 457	11.1	94 602	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

\*\*This category includes epidural, spinal, combined epidural and spinal, and caudal pain relief.

\*Total includes mothers who gave birth at home assisted by independent midwives.

**Table 38. Pain relief by hospital and maternity service level, NSW, 2007#**

Maternity service level/hospital	Pain relief											
	Epidural – spinal***		General anaesthetic		IM narcotics		Nitrous oxide		Nil		Total##	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<b>Level 6</b>												
Royal Prince Alfred*	2531	50.0	212	4.2	523	10.3	1991	39.3	556	11.0	5062	100.0
Royal North Shore	1203	52.5	72	3.1	415	18.1	1082	47.2	122	5.3	2293	100.0
Royal Hospital for Women	2458	58.7	82	2.0	560	13.4	1514	36.2	398	9.5	4186	100.0
Liverpool	969	32.1	167	5.5	994	32.9	1229	40.7	380	12.6	3023	100.0
Nepean	1564	42.1	315	8.5	831	22.4	1908	51.3	308	8.3	3717	100.0
Westmead	2128	51.3	256	6.2	517	12.5	1618	39.0	133	3.2	4152	100.0
John Hunter	1221	32.5	235	6.3	1042	27.7	1661	44.2	477	12.7	3760	100.0
Total	12 074	46.1	1339	5.1	4882	18.6	11 003	42.0	2374	9.1	26 193	100.0
<b>Level 5</b>												
Gosford	1108	44.1	129	5.1	640	25.5	1074	42.8	277	11.0	2510	100.0
St George	1101	41.9	92	3.5	351	13.4	1274	48.5	326	12.4	2629	100.0
Blacktown	1074	34.7	166	5.4	530	17.1	1528	49.4	250	8.1	3096	100.0
Lismore Base	593	44.4	34	2.5	197	14.8	598	44.8	177	13.3	1335	100.0
Tweed Heads	427	35.2	33	2.7	280	23.1	666	55.0	219	18.1	1212	100.0
Dubbo Base	391	33.1	74	6.3	341	28.9	574	48.6	157	13.3	1181	100.0
Wollongong	842	36.0	82	3.5	339	14.5	1364	58.3	259	11.1	2341	100.0
Maitland	489	31.0	71	4.5	251	15.9	770	48.9	245	15.5	1576	100.0
Wagga Wagga Base	290	36.6	27	3.4	188	23.7	404	50.9	147	18.5	793	100.0
Total	6315	37.9	708	4.2	3117	18.7	8252	49.5	2057	12.3	16 673	100.0
<b>Level 4</b>												
Canterbury	527	32.7	54	3.3	207	12.8	776	48.1	214	13.3	1613	100.0
Hornsby	542	44.4	37	3.0	249	20.4	603	49.3	85	7.0	1222	100.0
Manly	365	39.8	27	2.9	175	19.1	385	42.0	93	10.1	917	100.0
Mona Vale	349	46.4	16	2.1	287	38.2	306	40.7	61	8.1	752	100.0
Sutherland	473	40.9	24	2.1	100	8.7	545	47.1	131	11.3	1156	100.0
Auburn	269	19.1	77	5.5	225	16.0	731	51.8	273	19.4	1410	100.0

(Continued)

Table 38. (Continued)

Maternity service level/hospital	Epidural – spinal <sup>###</sup>		General anaesthetic		IM narcotics		Nitrous oxide		Nil		Total <sup>##</sup>	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Campbelltown	724	27.9	86	3.3	667	25.7	1288	49.6	515	19.8	2599	100.0
Bankstown–Lidcombe	453	21.2	99	4.6	358	16.8	1217	56.9	298	13.9	2137	100.0
Hawkesbury	270	32.1	42	5.0	169	20.1	432	51.4	95	11.3	841	100.0
Coffs Harbour	302	33.4	32	3.5	133	14.7	396	43.9	187	20.7	903	100.0
Port Macquarie Base	246	31.3	21	2.7	197	25.1	396	50.4	143	18.2	785	100.0
Tamworth Base	422	47.4	32	3.6	91	10.2	486	54.6	98	11.0	890	100.0
Manning Base	180	25.0	38	5.3	222	30.8	377	52.4	95	13.2	720	100.0
Orange Base	344	37.6	35	3.8	159	17.4	460	50.3	125	13.7	915	100.0
Goulburn Base	85	29.1	27	9.2	46	15.8	179	61.3	23	7.9	292	100.0
Griffith Base	118	26.0	19	4.2	242	53.4	240	53.0	55	12.1	453	100.0
Other hospitals	0	0.0	0	0.0	6	6.7	29	32.2	31	34.4	90	100.0
<b>Total</b>	<b>5669</b>	<b>32.0</b>	<b>666</b>	<b>3.8</b>	<b>3533</b>	<b>20.0</b>	<b>8846</b>	<b>50.0</b>	<b>2522</b>	<b>14.3</b>	<b>17 695</b>	<b>100.0</b>
<b>Level 3</b>												
Blue Mountains	76	26.6	6	2.1	60	21.0	125	43.7	36	12.6	286	100.0
Fairfield	220	10.9	200	9.9	488	24.1	934	46.1	431	21.3	2025	100.0
Grafton Base	159	31.2	38	7.5	116	22.7	261	51.2	94	18.4	510	100.0
Kempsey	74	25.5	5	1.7	111	38.3	156	53.8	57	19.7	290	100.0
Murwillumbah	140	36.9	8	2.1	102	26.9	181	47.8	65	17.2	379	100.0
Armidale	134	29.6	6	1.3	121	26.7	214	47.2	47	10.4	453	100.0
Inverell	89	33.0	4	1.5	45	16.7	113	41.9	49	18.1	270	100.0
Moree	50	22.0	4	1.8	56	24.7	116	51.1	61	26.9	227	100.0
Mudgee	54	21.5	15	6.0	62	24.7	146	58.2	36	14.3	251	100.0
Bathurst Base	176	32.3	20	3.7	23	4.2	232	42.6	128	23.5	545	100.0
Cowra	37	18.3	5	2.5	54	26.7	118	58.4	39	19.3	202	100.0
Lithgow	83	35.9	7	3.0	49	21.2	101	43.7	33	14.3	231	100.0
Moruya	111	32.0	19	5.5	72	20.7	166	47.8	80	23.1	347	100.0
Queanbeyan	68	23.4	6	2.1	48	16.5	117	40.2	99	34.0	291	100.0
Bowral	240	34.6	24	3.5	258	37.2	349	50.4	78	11.3	693	100.0
Shoalhaven	319	38.7	41	5.0	165	20.0	301	36.5	97	11.8	825	100.0
Muswellbrook	36	16.7	1	0.5	50	23.3	87	40.5	36	16.7	215	100.0
Broken Hill Base	75	27.8	15	5.6	53	19.6	148	54.8	41	15.2	270	100.0
Other hospitals	453	23.6	79	4.1	460	23.9	1016	52.9	385	20.0	1922	100.0
<b>Total</b>	<b>2594</b>	<b>25.4</b>	<b>503</b>	<b>4.9</b>	<b>2393</b>	<b>23.4</b>	<b>4881</b>	<b>47.7</b>	<b>1892</b>	<b>18.5</b>	<b>10 232</b>	<b>100.0</b>
<b>Level 2</b>												
Wyong	4	1.5	8	3.0	21	8.0	87	33.0	92	34.8	264	100.0
Other hospitals	114	10.0	38	3.3	210	18.3	483	42.2	352	30.7	1145	100.0
<b>Total</b>	<b>118</b>	<b>8.4</b>	<b>46</b>	<b>3.3</b>	<b>231</b>	<b>16.4</b>	<b>570</b>	<b>40.5</b>	<b>444</b>	<b>31.5</b>	<b>1409</b>	<b>100.0</b>
<b>Private</b>												
Mater, North Sydney	1561	69.9	43	1.9	118	5.3	686	30.7	115	5.1	2234	100.0
North Shore Private	2008	74.4	30	1.1	85	3.2	696	25.8	118	4.4	2698	100.0
Sydney Adventist	1493	68.5	54	2.5	177	8.1	771	35.4	52	2.4	2181	100.0
North Gosford Private	488	55.5	22	2.5	105	11.9	285	32.4	116	13.2	880	100.0
Hurstville Community	676	77.3	18	2.1	29	3.3	188	21.5	34	3.9	874	100.0
Kareena Private	489	87.6	13	2.3	9	1.6	65	11.6	14	2.5	558	100.0
St George Private	1442	78.6	32	1.7	87	4.7	446	24.3	65	3.5	1835	100.0
Prince of Wales Private	1689	85.5	4	0.2	41	2.1	500	25.3	43	2.2	1976	100.0
The Hills Private	839	64.8	32	2.5	127	9.8	381	29.4	67	5.2	1294	100.0
Sydney Southwest Private	480	44.2	37	3.4	356	32.8	606	55.8	41	3.8	1086	100.0
Nepean Private	443	52.8	25	3.0	198	23.6	442	52.7	42	5.0	839	100.0
Westmead Private	1305	63.0	67	3.2	211	10.2	788	38.1	85	4.1	2070	100.0
Figtree Private	615	62.8	25	2.6	54	5.5	411	42.0	38	3.9	979	100.0
Newcastle Private	1120	60.2	55	3.0	295	15.9	818	44.0	90	4.8	1861	100.0
Calvary, Wagga Wagga	294	52.2	5	0.9	134	23.8	233	41.4	64	11.4	563	100.0
Other hospitals	166	56.5	15	5.1	34	11.6	111	37.8	28	9.5	294	100.0
<b>Total</b>	<b>15 108</b>	<b>68.0</b>	<b>477</b>	<b>2.1</b>	<b>2060</b>	<b>9.3</b>	<b>7427</b>	<b>33.4</b>	<b>1012</b>	<b>4.6</b>	<b>22 222</b>	<b>100.0</b>
<b>TOTAL NSW**</b>	<b>41 879</b>	<b>44.3</b>	<b>3739</b>	<b>4.0</b>	<b>16 216</b>	<b>17.1</b>	<b>40 984</b>	<b>43.3</b>	<b>10 457</b>	<b>11.1</b>	<b>94 602</b>	<b>100.0</b>

Source: NSW Midwives Data Collection (HOIST), Centre for Epidemiology and Research, NSW Department of Health.

<sup>#</sup>Hospitals with more than 200 births are identified individually. Maternity service levels are described on page 13 of the Methods chapter.

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

<sup>###</sup>This category includes epidural, spinal, combined epidural and spinal, and caudal pain relief.

\*Royal Prince Alfred hospital does not report pain relief with intramuscular (IM) narcotics.

\*\*Total NSW includes mothers who gave birth at home assisted by independent midwives and mothers who gave birth at Level 1 hospitals.

## Perineal status

Table 39 shows the perineal status in vaginal births for area health services, and Table 40 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2007.

There were 1477 cases of third-degree tear and 144 cases of fourth-degree tear reported among women who gave birth vaginally in 2007, including tears associated with an episiotomy.

**Table 39. Perineal status among vaginal births by health area of hospital, NSW, 2007**

Health area	Perineal status																TOTAL	
	Intact		1st-degree tear/graze		2nd-degree tear		3rd- or 4th-degree tear		Episiotomy		Combined tear and episiotomy		Other		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
Sydney South West	3342	25.7	3412	26.2	3637	28.0	263	2.0	1589	12.2	276	2.1	483	3.7	0	0.0	13 002	100.0
South-Eastern Sydney and Illawarra	2012	24.6	2559	31.3	2175	26.6	158	1.9	928	11.3	260	3.2	90	1.1	0	0.0	8182	100.0
Sydney West	2494	25.0	3268	32.7	2186	21.9	110	1.1	1371	13.7	436	4.4	117	1.2	6	0.1	9988	100.0
Northern Sydney and Central Coast	1245	21.9	2037	35.9	1482	26.1	148	2.6	417	7.3	259	4.6	86	1.5	0	0.0	5674	100.0
Hunter and New England	2128	30.4	2568	36.7	1333	19.0	134	1.9	486	6.9	238	3.4	113	1.6	0	0.0	7000	100.0
North Coast	1642	38.4	1159	27.1	971	22.7	54	1.3	289	6.8	58	1.4	97	2.3	6	0.1	4276	100.0
Greater Southern	1041	39.4	705	26.7	492	18.6	37	1.4	274	10.4	35	1.3	58	2.2	1	0.0	2643	100.0
Greater Western	1054	38.4	767	27.9	508	18.5	37	1.3	235	8.6	67	2.4	74	2.7	5	0.2	2747	100.0
Private hospitals	2683	20.0	2754	20.5	3832	28.5	103	0.8	3495	26.0	337	2.5	222	1.7	6	0.0	13 432	100.0
TOTAL*	17 719	26.4	19 266	28.7	16 636	24.8	1044	1.6	9086	13.5	1966	2.9	1340	2.0	24	0.0	67 081	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

\*Total includes mothers who gave birth at home assisted by independent midwives.

**Table 40. Perineal status among vaginal births by hospital and maternity service level, NSW, 2007#**

Maternity service level/hospital	Perineal status																TOTAL	
	Intact		1st-degree tear/graze		2nd-degree tear		3rd- or 4th-degree tear		Episiotomy		Combined tear and episiotomy		Other		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
<b>Level 6</b>																		
Royal Prince Alfred	531	15.1	983	27.9	1283	36.4	126	3.6	388	11.0	111	3.1	103	2.9	0	0.0	3525	100.0
Royal North Shore	303	19.7	482	31.3	447	29.0	53	3.4	132	8.6	106	6.9	16	1.0	0	0.0	1539	100.0
Royal Hospital for Women	535	18.9	799	28.3	783	27.7	35	1.2	529	18.7	125	4.4	22	0.8	0	0.0	2828	100.0
Liverpool	705	30.4	495	21.3	535	23.1	25	1.1	398	17.1	48	2.1	115	5.0	0	0.0	2321	100.0
Nepean	709	27.8	903	35.4	494	19.4	24	0.9	276	10.8	100	3.9	40	1.6	6	0.2	2552	100.0
Westmead	596	19.9	793	26.5	756	25.3	34	1.1	601	20.1	169	5.7	42	1.4	0	0.0	2991	100.0
John Hunter	695	23.9	1223	42.0	599	20.6	80	2.7	143	4.9	142	4.9	28	1.0	0	0.0	2910	100.0
Total	4074	21.8	5678	30.4	4897	26.2	377	2.0	2467	13.2	801	4.3	366	2.0	6	0.0	18 666	100.0
<b>Level 5</b>																		
Gosford	389	23.5	667	40.3	358	21.6	43	2.6	94	5.7	70	4.2	36	2.2	0	0.0	1657	100.0
St George	497	25.1	526	26.5	620	31.3	69	3.5	153	7.7	87	4.4	32	1.6	0	0.0	1984	100.0
Blacktown	481	20.9	852	37.1	485	21.1	28	1.2	339	14.7	97	4.2	17	0.7	0	0.0	2299	100.0
Lismore Base	292	31.1	329	35.0	211	22.4	7	0.7	78	8.3	16	1.7	5	0.5	2	0.2	940	100.0
Tweed Heads	307	33.6	278	30.4	209	22.8	13	1.4	77	8.4	10	1.1	21	2.3	0	0.0	915	100.0
Dubbo Base	306	34.9	266	30.3	132	15.0	10	1.1	117	13.3	23	2.6	24	2.7	0	0.0	878	100.0
Wollongong	492	26.7	703	38.2	440	23.9	28	1.5	144	7.8	23	1.3	10	0.5	0	0.0	1840	100.0
Maitland	313	26.5	506	42.8	228	19.3	29	2.5	66	5.6	20	1.7	20	1.7	0	0.0	1182	100.0
Wagga Wagga Base	215	37.0	175	30.1	100	17.2	11	1.9	45	7.7	10	1.7	25	4.3	0	0.0	581	100.0
Total	3292	26.8	4302	35.0	2783	22.7	238	1.9	1113	9.1	356	2.9	190	1.5	2	0.0	12 276	100.0
<b>Level 4</b>																		
Canterbury	317	25.5	319	25.6	362	29.1	39	3.1	111	8.9	37	3.0	59	4.7	0	0.0	1244	100.0
Hornsby	179	20.1	289	32.4	260	29.2	21	2.4	102	11.4	28	3.1	12	1.3	0	0.0	891	100.0
Manly	120	16.9	291	41.0	191	26.9	11	1.6	51	7.2	33	4.7	12	1.7	0	0.0	709	100.0
Mona Vale	150	28.1	173	32.5	139	26.1	17	3.2	31	5.8	19	3.6	4	0.8	0	0.0	533	100.0
Sutherland	263	29.1	296	32.7	246	27.2	16	1.8	59	6.5	14	1.5	11	1.2	0	0.0	905	100.0

(Continued)



Table 40. (Continued)

Maternity service level/hospital	Perineal status																TOTAL	
	Intact		1st-degree tear/graze		2nd-degree tear		3rd- or 4th-degree tear		Episiotomy		Combined tear and episiotomy		Other		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
Auburn	426	36.9	355	30.8	226	19.6	7	0.6	85	7.4	46	4.0	9	0.8	0	0.0	1154	100.0
Campbelltown	657	33.4	535	27.2	500	25.4	30	1.5	149	7.6	18	0.9	78	4.0	0	0.0	1967	100.0
Bankstown-Lidcombe	453	26.0	515	29.6	414	23.8	11	0.6	244	14.0	36	2.1	67	3.9	0	0.0	1740	100.0
Hawkesbury	179	29.5	229	37.8	131	21.6	9	1.5	37	6.1	18	3.0	3	0.5	0	0.0	606	100.0
Coffs Harbour	268	41.7	132	20.6	150	23.4	9	1.4	31	4.8	12	1.9	36	5.6	4	0.6	642	100.0
Port Macquarie Base	237	40.1	103	17.4	177	29.9	12	2.0	39	6.6	9	1.5	14	2.4	0	0.0	591	100.0
Tamworth Base	201	30.5	205	31.1	110	16.7	12	1.8	94	14.3	24	3.6	13	2.0	0	0.0	659	100.0
Manning Base	242	43.0	139	24.7	130	23.1	4	0.7	25	4.4	7	1.2	16	2.8	0	0.0	563	100.0
Orange Base	234	36.7	151	23.7	137	21.5	14	2.2	44	6.9	22	3.4	31	4.9	5	0.8	638	100.0
Goulburn Base	62	29.5	10	4.8	40	19.0	3	1.4	83	39.5	4	1.9	8	3.8	0	0.0	210	100.0
Griffith Base	133	37.9	107	30.5	60	17.1	7	2.0	34	9.7	3	0.9	7	2.0	0	0.0	351	100.0
Other hospitals	30	33.3	33	36.7	26	28.9	0	0.0	0	0.0	0	0.0	1	1.1	0	0.0	90	100.0
<b>Total</b>	<b>4151</b>	<b>30.8</b>	<b>3882</b>	<b>28.8</b>	<b>3299</b>	<b>24.4</b>	<b>222</b>	<b>1.6</b>	<b>1219</b>	<b>9.0</b>	<b>330</b>	<b>2.4</b>	<b>381</b>	<b>2.8</b>	<b>9</b>	<b>0.1</b>	<b>13 493</b>	<b>100.0</b>
<b>Level 3</b>																		
Blue Mountains	42	18.8	93	41.5	69	30.8	7	3.1	7	3.1	3	1.3	3	1.3	0	0.0	224	100.0
Fairfield	500	30.4	417	25.3	371	22.5	27	1.6	265	16.1	23	1.4	44	2.7	0	0.0	1647	100.0
Grafton Base	177	47.2	97	25.9	60	16.0	4	1.1	23	6.1	5	1.3	9	2.4	0	0.0	375	100.0
Kempsey	117	50.4	47	20.3	56	24.1	3	1.3	7	3.0	1	0.4	1	0.4	0	0.0	232	100.0
Murwillumbah	111	42.2	62	23.6	54	20.5	5	1.9	20	7.6	3	1.1	8	3.0	0	0.0	263	100.0
Armidale	130	39.6	67	20.4	61	18.6	0	0.0	43	13.1	15	4.6	12	3.7	0	0.0	328	100.0
Inverell	75	41.9	36	20.1	20	11.2	0	0.0	44	24.6	3	1.7	1	0.6	0	0.0	179	100.0
Moree	87	46.0	43	22.8	39	20.6	0	0.0	9	4.8	9	4.8	2	1.1	0	0.0	189	100.0
Mudgee	61	31.8	47	24.5	54	28.1	0	0.0	24	12.5	2	1.0	4	2.1	0	0.0	192	100.0
Bathurst Base	141	38.1	140	37.8	60	16.2	2	0.5	11	3.0	7	1.9	9	2.4	0	0.0	370	100.0
Cowra	82	49.1	16	9.6	52	31.1	4	2.4	9	5.4	3	1.8	1	0.6	0	0.0	167	100.0
Lithgow	61	37.7	43	26.5	25	15.4	1	0.6	26	16.0	3	1.9	3	1.9	0	0.0	162	100.0
Moruya	116	43.8	68	25.7	53	20.0	4	1.5	19	7.2	3	1.1	1	0.4	1	0.4	265	100.0
Queanbeyan	85	36.2	90	38.3	45	19.1	2	0.9	8	3.4	2	0.9	3	1.3	0	0.0	235	100.0
Bowral	179	32.1	148	26.5	172	30.8	5	0.9	34	6.1	3	0.5	17	3.0	0	0.0	558	100.0
Shoalhaven	173	33.1	211	40.4	74	14.2	7	1.3	36	6.9	8	1.5	13	2.5	0	0.0	522	100.0
Muswellbrook	67	37.2	75	41.7	26	14.4	2	1.1	2	1.1	3	1.7	5	2.8	0	0.0	180	100.0
Broken Hill Base	98	50.3	61	31.3	22	11.3	1	0.5	11	5.6	1	0.5	1	0.5	0	0.0	195	100.0
Other hospitals	611	41.4	386	26.2	261	17.7	16	1.1	146	9.9	30	2.0	25	1.7	0	0.0	1475	100.0
<b>Total</b>	<b>2913</b>	<b>37.5</b>	<b>2147</b>	<b>27.7</b>	<b>1574</b>	<b>20.3</b>	<b>90</b>	<b>1.2</b>	<b>744</b>	<b>9.6</b>	<b>127</b>	<b>1.6</b>	<b>162</b>	<b>2.1</b>	<b>1</b>	<b>0.0</b>	<b>7758</b>	<b>100.0</b>
<b>Level 2</b>																		
Wyong	74	29.0	102	40.0	61	23.9	3	1.2	7	2.7	3	1.2	5	2.0	0	0.0	255	100.0
Other hospitals	431	42.0	357	34.8	165	16.1	11	1.1	38	3.7	12	1.2	13	1.3	0	0.0	1027	100.0
<b>Total</b>	<b>505</b>	<b>39.4</b>	<b>459</b>	<b>35.8</b>	<b>226</b>	<b>17.6</b>	<b>14</b>	<b>1.1</b>	<b>45</b>	<b>3.5</b>	<b>15</b>	<b>1.2</b>	<b>18</b>	<b>1.4</b>	<b>0</b>	<b>0.0</b>	<b>1282</b>	<b>100.0</b>
<b>Private</b>																		
Mater, North Sydney	202	16.2	210	16.8	331	26.5	13	1.0	359	28.7	95	7.6	36	2.9	4	0.3	1250	100.0
North Shore Private	239	16.1	317	21.3	433	29.1	11	0.7	447	30.0	16	1.1	25	1.7	0	0.0	1488	100.0
Sydney Adventist	221	16.8	334	25.5	353	26.9	3	0.2	332	25.3	66	5.0	3	0.2	0	0.0	1312	100.0
North Gosford Private	135	28.0	106	21.9	135	28.0	1	0.2	80	16.6	20	4.1	5	1.0	1	0.2	483	100.0
Hurstville Community	59	12.1	129	26.4	101	20.7	4	0.8	159	32.6	27	5.5	9	1.8	0	0.0	488	100.0
Kareena Private	58	20.0	42	14.5	109	37.6	2	0.7	71	24.5	1	0.3	6	2.1	1	0.3	290	100.0
St George Private	281	25.1	234	20.9	346	30.9	12	1.1	212	18.9	26	2.3	8	0.7	0	0.0	1119	100.0
Prince of Wales Private	216	19.3	243	21.7	337	30.1	4	0.4	279	24.9	16	1.4	25	2.2	0	0.0	1120	100.0
The Hills Private	219	23.8	165	18.0	270	29.4	8	0.9	215	23.4	17	1.8	25	2.7	0	0.0	919	100.0
Sydney Southwest Private	169	22.8	155	20.9	158	21.3	9	1.2	217	29.3	15	2.0	18	2.4	0	0.0	741	100.0
Nepean Private	90	17.2	61	11.7	166	31.8	5	1.0	173	33.1	5	1.0	22	4.2	0	0.0	522	100.0
Westmead Private	266	19.4	318	23.2	331	24.1	5	0.4	441	32.1	4	0.3	7	0.5	0	0.0	1372	100.0
Figtree Private	124	18.7	97	14.6	212	31.9	6	0.9	200	30.1	6	0.9	19	2.9	0	0.0	664	100.0
Newcastle Private	271	24.0	244	21.6	372	32.9	13	1.2	224	19.8	0	0.0	6	0.5	0	0.0	1130	100.0
Calvary, Wagga Wagga	99	27.0	63	17.2	123	33.5	7	1.9	51	13.9	16	4.4	8	2.2	0	0.0	367	100.0
Other hospitals	34	20.4	36	21.6	55	32.9	0	0.0	35	21.0	7	4.2	0	0.0	0	0.0	167	100.0
<b>Total</b>	<b>2683</b>	<b>20.0</b>	<b>2754</b>	<b>20.5</b>	<b>3832</b>	<b>28.5</b>	<b>103</b>	<b>0.8</b>	<b>3495</b>	<b>26.0</b>	<b>337</b>	<b>2.5</b>	<b>222</b>	<b>1.7</b>	<b>6</b>	<b>0.0</b>	<b>13 432</b>	<b>100.0</b>
<b>TOTAL NSW*</b>	<b>17 719</b>	<b>26.4</b>	<b>19 266</b>	<b>28.7</b>	<b>16 636</b>	<b>24.8</b>	<b>1044</b>	<b>1.6</b>	<b>9086</b>	<b>13.5</b>	<b>1966</b>	<b>2.9</b>	<b>1340</b>	<b>2.0</b>	<b>24</b>	<b>0.0</b>	<b>67 081</b>	<b>100.0</b>

Source: NSW Midwives Data Collection (HOIST), Centre for Epidemiology and Research, NSW Department of Health.

\*Hospitals with more than 200 births are identified individually. Obstetric service levels are described on page 13 of the Methods chapter.

\*Total NSW includes mothers who gave birth at home assisted by independent midwives and births at Level 1 hospitals.

## Birth weight

Table 41 shows the birth weight of babies for area health service level where at least 200 mothers gave birth in services, and Table 42 for individual hospitals by maternity 2007.

**Table 41. Births by birth weight and health area of hospital, NSW, 2007**

Health area	Birth weight (g)										TOTAL	
	<1000		1000–1499		1500–2499		2500+		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	151	0.9	121	0.7	929	5.3	16 164	92.8	46	0.3	17 411	100.0
South-Eastern Sydney and Illawarra	95	0.8	63	0.5	628	5.5	10 678	93.1	9	0.1	11 473	100.0
Sydney West	145	1.0	146	1.0	800	5.7	12 875	92.1	10	0.1	13 976	100.0
Northern Sydney and Central Coast	58	0.7	60	0.7	398	4.9	7 658	93.6	4	0.0	8 178	100.0
Hunter and New England	118	1.3	87	0.9	591	6.4	8 377	91.2	10	0.1	9 183	100.0
North Coast	23	0.4	9	0.2	266	4.6	5 501	94.7	7	0.1	5 806	100.0
Greater Southern	19	0.5	5	0.1	136	3.9	3 360	95.4	3	0.1	3 523	100.0
Greater Western	17	0.4	4	0.1	164	4.3	3 620	95.0	5	0.1	3 810	100.0
Private hospitals	51	0.2	17	0.1	748	3.3	21 700	96.3	13	0.1	22 529	100.0
TOTAL*	677	0.7	512	0.5	4660	4.9	90 073	93.8	108	0.1	96 030	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

**Table 42. Births by birth weight, hospital and maternity service level, NSW, 2007#**

Maternity service level/hospital	Birth weight (g)										TOTAL	
	<1000		1000–1499		1500–2499		2500+		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<b>Level 6</b>												
Royal Prince Alfred	60	1.2	51	1.0	296	5.7	4 768	92.0	7	0.1	5 182	100.0
Royal North Shore	41	1.7	53	2.2	175	7.4	2 089	88.4	4	0.2	2 362	100.0
Royal Hospital for Women	60	1.4	47	1.1	296	6.9	3 886	90.5	6	0.1	4 295	100.0
Liverpool	55	1.8	57	1.8	287	9.2	2 703	87.0	5	0.2	3 107	100.0
Nepean	54	1.4	59	1.6	271	7.2	3 398	89.8	4	0.1	3 786	100.0
Westmead	62	1.5	75	1.8	328	7.7	3 803	89.0	3	0.1	4 271	100.0
John Hunter	100	2.6	74	1.9	337	8.7	3 339	86.6	6	0.2	3 856	100.0
Total	432	1.6	416	1.5	1 990	7.4	23 986	89.3	35	0.1	26 859	100.0
<b>Level 5</b>												
Gosford	10	0.4	7	0.3	136	5.3	2 392	94.0	0	0.0	2 545	100.0
St. George	10	0.4	2	0.1	133	5.0	2 531	94.6	0	0.0	2 676	100.0
Blacktown	19	0.6	9	0.3	133	4.2	2 972	94.8	1	0.0	3 134	100.0
Lismore Base	7	0.5	5	0.4	81	6.0	1 264	93.1	1	0.1	1 358	100.0
Tweed Heads	8	0.7	0	0.0	39	3.2	1 176	96.2	0	0.0	1 223	100.0
Dubbo Base	6	0.5	2	0.2	51	4.3	1 139	95.1	0	0.0	1 198	100.0
Wollongong	21	0.9	13	0.5	128	5.4	2 207	93.0	3	0.1	2 372	100.0
Maitland	5	0.3	2	0.1	72	4.5	1 503	94.8	3	0.2	1 585	100.0
Wagga Wagga Base	10	1.2	2	0.2	52	6.5	741	92.0	0	0.0	805	100.0
Total	96	0.6	42	0.2	825	4.9	15 925	94.3	8	0.0	16 896	100.0
<b>Level 4</b>												
Canterbury	4	0.2	2	0.1	59	3.6	1 547	95.6	7	0.4	1 619	100.0
Hornsby	3	0.2	0	0.0	40	3.2	1 190	96.5	0	0.0	1 233	100.0
Manly	1	0.1	0	0.0	21	2.3	902	97.6	0	0.0	924	100.0
Mona Vale	2	0.3	0	0.0	22	2.9	736	96.8	0	0.0	760	100.0
Sutherland	1	0.1	0	0.0	23	2.0	1 132	97.9	0	0.0	1 156	100.0
Auburn	6	0.4	0	0.0	30	2.1	1 377	97.3	2	0.1	1 415	100.0
Campbelltown	11	0.4	5	0.2	100	3.8	2 500	95.3	7	0.3	2 623	100.0
Bankstown-Lidcombe	9	0.4	3	0.1	99	4.6	2 036	94.7	3	0.1	2 150	100.0
Hawkesbury	4	0.5	1	0.1	24	2.8	821	96.6	0	0.0	850	100.0
Coffs Harbour	2	0.2	2	0.2	39	4.2	877	95.0	3	0.3	923	100.0

(Continued)

Table 42. (Continued)

Maternity service level/hospital	Birth weight (g)										TOTAL	
	<1000		1000–1499		1500–2499		2500+		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Port Macquarie Base	2	0.3	1	0.1	38	4.8	758	94.9	0	0.0	799	100.0
Tamworth Base	2	0.2	3	0.3	59	6.5	844	93.0	0	0.0	908	100.0
Manning Base	6	0.8	3	0.4	33	4.5	688	94.1	1	0.1	731	100.0
Orange Base	3	0.3	2	0.2	52	5.6	873	93.6	3	0.3	933	100.0
Goulburn Base	0	0	1	0.3	12	4.1	280	95.6	0	0.0	293	100.0
Griffith Base	4	0.9	0	0.0	28	6.1	428	93.0	0	0.0	460	100.0
Other hospitals	0	0	0	0.0	1	1.1	89	98.9	0	0.0	90	100.0
<b>Total</b>	<b>60</b>	<b>0.3</b>	<b>23</b>	<b>0.1</b>	<b>680</b>	<b>3.8</b>	<b>17 078</b>	<b>95.6</b>	<b>26</b>	<b>0.1</b>	<b>17 867</b>	<b>100.0</b>
<b>Level 3</b>												
Blue Mountains	0	0.0	0	0.0	4	1.4	283	98.6	0	0.0	287	100.0
Fairfield	11	0.5	2	0.1	67	3.3	1950	96.0	2	0.1	2032	100.0
Grafton Base	3	0.6	1	0.2	31	6.1	477	93.2	0	0.0	512	100.0
Kempsey	0	0.0	0	0.0	16	5.5	274	94.5	0	0.0	290	100.0
Murwillumbah	1	0.3	0	0.0	11	2.9	367	96.8	0	0.0	379	100.0
Armidale	1	0.2	3	0.7	33	7.2	423	92.0	0	0.0	460	100.0
Inverell	0	0	2	0.7	16	5.9	254	93.4	0	0.0	272	100.0
Moree	2	0.9	0	0.0	7	3.1	219	96.1	0	0.0	228	100.0
Mudgee	1	0.4	0	0.0	5	2.0	245	97.6	0	0.0	251	100.0
Bathurst Base	1	0.2	0	0.0	27	4.9	522	94.9	0	0.0	550	100.0
Cowra	1	0.5	0	0.0	5	2.5	194	96.0	2	1.0	202	100.0
Lithgow	0	0.0	2	0.9	10	4.3	221	94.8	0	0.0	233	100.0
Moruya	0	0.0	1	0.3	9	2.6	338	97.1	0	0.0	348	100.0
Queanbeyan	0	0.0	0	0.0	2	0.7	289	99.3	0	0.0	291	100.0
Bowral	1	0.1	1	0.1	21	3.0	660	94.6	15	2.1	698	100.0
Shoalhaven	3	0.4	1	0.1	43	5.1	792	94.4	0	0.0	839	100.0
Muswellbrook	0	0.0	0	0.0	6	2.8	211	97.2	0	0.0	217	100.0
Broken Hill Base	0	0.0	0	0.0	12	4.4	261	95.6	0	0.0	273	100.0
Other hospitals	10	0.5	1	0.1	48	2.5	1865	96.7	4	0.2	1928	100.0
<b>Total</b>	<b>35</b>	<b>0.3</b>	<b>14</b>	<b>0.1</b>	<b>373</b>	<b>3.6</b>	<b>9845</b>	<b>95.7</b>	<b>23</b>	<b>0.2</b>	<b>10 290</b>	<b>100.0</b>
<b>Level 2</b>												
Wyong	1	0.4	0	0.0	3	1.1	260	98.5	0	0.0	264	100.0
Other hospitals	1	0.1	0	0.0	37	3.2	1106	96.5	2	0.2	1146	100.0
<b>Total</b>	<b>2</b>	<b>0.1</b>	<b>0</b>	<b>0.0</b>	<b>40</b>	<b>2.8</b>	<b>1366</b>	<b>96.9</b>	<b>2</b>	<b>0.1</b>	<b>1410</b>	<b>100.0</b>
<b>Private</b>												
Mater, North Sydney	2	0.1	2	0.1	81	3.6	2166	96.1	2	0.1	2253	100.0
North Shore Private	7	0.3	1	0.0	92	3.4	2643	96.3	1	0.0	2744	100.0
Sydney Adventist	5	0.2	2	0.1	70	3.2	2133	96.4	3	0.1	2213	100.0
North Gosford Private	0	0.0	0	0.0	29	3.3	857	96.4	3	0.3	889	100.0
Hurstville Community	1	0.1	4	0.4	27	3.0	858	96.4	0	0.0	890	100.0
Kareena Private	0	0.0	0	0.0	18	3.2	549	96.8	0	0.0	567	100.0
St. George Private	8	0.4	2	0.1	64	3.4	1798	96.0	0	0.0	1872	100.0
Prince of Wales Private	1	0.1	0	0.0	73	3.7	1922	96.2	1	0.1	1997	100.0
The Hills Private	6	0.5	2	0.2	37	2.8	1265	96.6	0	0.0	1310	100.0
Sydney Southwest Private	1	0.1	0	0.0	26	2.4	1071	97.5	0	0.0	1098	100.0
Nepean Private	0	0.0	0	0.0	29	3.4	820	96.6	0	0.0	849	100.0
Westmead Private	7	0.3	2	0.1	73	3.5	2005	96.1	0	0.0	2087	100.0
Figtree Private	2	0.2	0	0.0	22	2.2	968	97.4	2	0.2	994	100.0
Newcastle Private	9	0.5	1	0.1	82	4.3	1807	95.2	0	0.0	1899	100.0
Calvary, Wagga Wagga	2	0.4	1	0.2	17	3.0	550	96.3	1	0.2	571	100.0
Other hospitals	0	0.0	0	0.0	8	2.7	288	97.3	0	0.0	296	100.0
<b>Total</b>	<b>51</b>	<b>0.2</b>	<b>17</b>	<b>0.1</b>	<b>748</b>	<b>3.3</b>	<b>21 700</b>	<b>96.3</b>	<b>13</b>	<b>0.1</b>	<b>22 529</b>	<b>100.0</b>
<b>TOTAL NSW*</b>	<b>677</b>	<b>0.7</b>	<b>512</b>	<b>0.5</b>	<b>4660</b>	<b>4.9</b>	<b>90 073</b>	<b>93.8</b>	<b>108</b>	<b>0.1</b>	<b>96 030</b>	<b>100.0</b>

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

\*Hospitals with more than 200 births are identified individually. Obstetric service levels are described on page 13 of the Methods chapter.

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

## Gestational age

Table 43 shows the gestational age of babies for area health services, and Table 44 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2007.

**Table 43. Births by gestational age and health area of hospital, NSW, 2007**

Health area	Gestational age (weeks)										TOTAL	
	<32		32–33		34–36		37+		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	314	1.8	180	1.0	830	4.8	16 070	92.3	17	0.1	17 411	100.0
South-Eastern Sydney and Illawarra	196	1.7	137	1.2	687	6.0	10 450	91.1	3	0.0	11 473	100.0
Sydney West	317	2.3	202	1.4	768	5.5	12 678	90.7	11	0.1	13 976	100.0
Northern Sydney and Central Coast	148	1.8	93	1.1	360	4.4	7 573	92.6	4	0.0	8 178	100.0
Hunter and New England	226	2.5	129	1.4	551	6.0	8 273	90.1	4	0.0	9 183	100.0
North Coast	37	0.6	23	0.4	269	4.6	5 477	94.3	0	0.0	5 806	100.0
Greater Southern	28	0.8	9	0.3	127	3.6	3 358	95.3	1	0.0	3 523	100.0
Greater Western	26	0.7	11	0.3	194	5.1	3 578	93.9	1	0.0	3 810	100.0
Private hospitals	75	0.3	72	0.3	1 056	4.7	21 326	94.7	0	0.0	22 529	100.0
Other	0	0.0	0	0.0	5	3.5	135	95.7	1	0.7	141	100.0
TOTAL*	1367	1.4	856	0.9	4 847	5.0	88 918	92.6	42	0.0	96 030	100.0

Source: NSW Midwives Data Collection (HOIST), Centre for Epidemiology and Research, NSW Department of Health.  
\*Total includes births at home assisted by independent midwives.

**Table 44. Births by gestational age, hospital and maternity service level, NSW, 2007#**

Maternity service level/hospital	Gestational age (weeks)										TOTAL	
	<32		32–33		34–36		37+		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<b>Level 6</b>												
Royal Prince Alfred	127	2.5	64	1.2	271	5.2	4 719	91.1	1	0.0	5 182	100.0
Royal North Shore	117	5.0	61	2.6	117	5.0	2 067	87.5	0	0.0	2 362	100.0
Royal Hospital for Women	146	3.4	74	1.7	264	6.1	3 810	88.7	1	0.0	4 295	100.0
Liverpool	132	4.2	90	2.9	189	6.1	2 695	86.7	1	0.0	3 107	100.0
Nepean	139	3.7	81	2.1	269	7.1	3 288	86.8	9	0.2	3 786	100.0
Westmead	134	3.1	97	2.3	270	6.3	3 768	88.2	2	0.0	4 271	100.0
John Hunter	194	5.0	110	2.9	287	7.4	3 264	84.6	1	0.0	3 856	100.0
Total	989	3.7	577	2.1	1 667	6.2	23 611	87.9	15	0.1	26 859	100.0
<b>Level 5</b>												
Gosford	20	0.8	23	0.9	139	5.5	2 363	92.8	0	0.0	2 545	100.0
St George	13	0.5	19	0.7	167	6.2	2 476	92.5	1	0.0	2 676	100.0
Blacktown	28	0.9	20	0.6	152	4.9	2 934	93.6	0	0.0	3 134	100.0
Lismore Base	11	0.8	8	0.6	78	5.7	1 261	92.9	0	0.0	1 358	100.0
Tweed Heads	10	0.8	5	0.4	46	3.8	1 162	95.0	0	0.0	1 223	100.0
Dubbo Base	11	0.9	8	0.7	66	5.5	1 113	92.9	0	0.0	1 198	100.0
Wollongong	30	1.3	38	1.6	170	7.2	2 134	90.0	0	0.0	2 372	100.0
Maitland	8	0.5	1	0.1	91	5.7	1 485	93.7	0	0.0	1 585	100.0
Wagga Wagga Base	14	1.7	3	0.4	56	7.0	731	90.8	1	0.1	805	100.0
Total	145	0.9	125	0.7	965	5.7	15 659	92.7	2	0.0	16 896	100.0
<b>Level 4</b>												
Canterbury	5	0.3	3	0.2	64	4.0	1 547	95.6	0	0.0	1 619	100.0
Hornsby	4	0.3	3	0.2	47	3.8	1 179	95.6	0	0.0	1 233	100.0
Manly	2	0.2	0	0	34	3.7	885	95.8	3	0.3	924	100.0
Mona Vale	3	0.4	4	0.5	19	2.5	733	96.4	1	0.1	760	100.0
Sutherland	1	0.1	4	0.3	31	2.7	1 120	96.9	0	0.0	1 156	100.0
Auburn	8	0.6	3	0.2	34	2.4	1 370	96.8	0	0.0	1 415	100.0
Campbelltown	15	0.6	13	0.5	127	4.8	2 460	93.8	8	0.3	2 623	100.0
Bankstown–Lidcombe	16	0.7	6	0.3	90	4.2	2 037	94.7	1	0.0	2 150	100.0
Hawkesbury	6	0.7	1	0.1	27	3.2	816	96.0	0	0.0	850	100.0

(Continued)

Table 44. (Continued)

Maternity service level/hospital	Gestational age (weeks)										TOTAL	
	<32		32–33		34–36		37+		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Coffs Harbour	7	0.8	2	0.2	45	4.9	869	94.1	0	0.0	923	100.0
Port Macquarie Base	3	0.4	4	0.5	51	6.4	741	92.7	0	0.0	799	100.0
Tamworth Base	5	0.6	2	0.2	66	7.3	835	92.0	0	0.0	908	100.0
Manning Base	7	1.0	6	0.8	35	4.8	683	93.4	0	0.0	731	100.0
Orange Base	6	0.6	3	0.3	62	6.6	861	92.3	1	0.1	933	100.0
Goulburn Base	1	0.3	0	0.0	10	3.4	282	96.2	0	0.0	293	100.0
Griffith Base	4	0.9	1	0.2	18	3.9	437	95.0	0	0.0	460	100.0
Other hospitals	0	0.0	0	0.0	1	1.1	89	98.9	0	0.0	90	100.0
<b>Total</b>	<b>93</b>	<b>0.5</b>	<b>55</b>	<b>0.3</b>	<b>761</b>	<b>4.3</b>	<b>16 944</b>	<b>94.8</b>	<b>14</b>	<b>0.1</b>	<b>17 867</b>	<b>100.0</b>
<b>Level 3</b>												
Blue Mountains	0	0.0	0	0.0	3	1.0	284	99.0	0	0.0	287	100.0
Fairfield	16	0.8	3	0.1	72	3.5	1941	95.5	0	0.0	2032	100.0
Grafton Base	4	0.8	3	0.6	23	4.5	482	94.1	0	0.0	512	100.0
Kempsey	0	0.0	0	0.0	4	1.4	286	98.6	0	0.0	290	100.0
Murwillumbah	1	0.3	0	0.0	12	3.2	366	96.6	0	0.0	379	100.0
Armidale	2	0.4	3	0.7	25	5.4	430	93.5	0	0.0	460	100.0
Inverell	2	0.7	3	1.1	22	8.1	245	90.1	0	0.0	272	100.0
Moree	4	1.8	0	0.0	8	3.5	216	94.7	0	0.0	228	100.0
Mudgee	1	0.4	0	0.0	3	1.2	247	98.4	0	0.0	251	100.0
Bathurst Base	1	0.2	0	0.0	27	4.9	522	94.9	0	0.0	550	100.0
Cowra	2	1.0	0	0.0	4	2.0	196	97.0	0	0.0	202	100.0
Lithgow	2	0.9	0	0.0	13	5.6	218	93.6	0	0.0	233	100.0
Moruya	1	0.3	1	0.3	7	2.0	339	97.4	0	0.0	348	100.0
Queanbeyan	0	0.0	0	0.0	6	2.1	285	97.9	0	0.0	291	100.0
Bowral	3	0.4	1	0.1	17	2.4	671	96.1	6	0.9	698	100.0
Shoalhaven	6	0.7	2	0.2	49	5.8	781	93.1	1	0.1	839	100.0
Muswellbrook	2	0.9	1	0.5	4	1.8	209	96.3	1	0.5	217	100.0
Broken Hill Base	0	0.0	0	0.0	20	7.3	253	92.7	0	0.0	273	100.0
Other hospitals	14	0.7	3	0.2	41	2.1	1870	97.0	0	0.0	1928	100.0
<b>Total</b>	<b>61</b>	<b>0.6</b>	<b>20</b>	<b>0.2</b>	<b>360</b>	<b>3.5</b>	<b>9841</b>	<b>95.6</b>	<b>8</b>	<b>0.1</b>	<b>10 290</b>	<b>100.0</b>
<b>Level 2</b>												
Wyong	2	0.8	2	0.8	3	1.1	257	97.3	0	0.0	264	100.0
Other hospitals	1	0.1	4	0.3	25	2.2	1114	97.2	2	0.2	1146	100.0
<b>Total</b>	<b>3</b>	<b>0.2</b>	<b>6</b>	<b>0.4</b>	<b>28</b>	<b>2.0</b>	<b>1371</b>	<b>97.2</b>	<b>2</b>	<b>0.1</b>	<b>1410</b>	<b>100.0</b>
<b>Private</b>												
Mater, North Sydney	5	0.2	10	0.4	84	3.7	2154	95.6	0	0.0	2253	100.0
North Shore Private	8	0.3	13	0.5	122	4.4	2601	94.8	0	0.0	2744	100.0
Sydney Adventist	12	0.5	7	0.3	111	5.0	2083	94.1	0	0.0	2213	100.0
North Gosford Private	1	0.1	3	0.3	41	4.6	844	94.9	0	0.0	889	100.0
Hurstville Community	6	0.7	4	0.4	44	4.9	836	93.9	0	0.0	890	100.0
Kareena Private	1	0.2	5	0.9	24	4.2	537	94.7	0	0.0	567	100.0
St George Private	8	0.4	6	0.3	97	5.2	1761	94.1	0	0.0	1872	100.0
Prince of Wales Private	1	0.1	5	0.3	92	4.6	1899	95.1	0	0.0	1997	100.0
The Hills Private	7	0.5	6	0.5	50	3.8	1247	95.2	0	0.0	1310	100.0
Sydney Southwest Private	2	0.2	0	0.0	44	4.0	1052	95.8	0	0.0	1098	100.0
Nepean Private	0	0.0	0	0.0	51	6.0	798	94.0	0	0.0	849	100.0
Westmead Private	9	0.4	8	0.4	85	4.1	1985	95.1	0	0.0	2087	100.0
Figtree Private	3	0.3	0	0.0	38	3.8	953	95.9	0	0.0	994	100.0
Newcastle Private	9	0.5	5	0.3	142	7.5	1743	91.8	0	0.0	1899	100.0
Calvary, Wagga Wagga	3	0.5	0	0.0	25	4.4	543	95.1	0	0.0	571	100.0
Other hospitals	0	0.0	0	0.0	6	2.0	290	98.0	0	0.0	296	100.0
<b>Total</b>	<b>75</b>	<b>0.3</b>	<b>72</b>	<b>0.3</b>	<b>1056</b>	<b>4.7</b>	<b>21 326</b>	<b>94.7</b>	<b>0</b>	<b>0.0</b>	<b>22 529</b>	<b>100.0</b>
<b>TOTAL NSW*</b>	<b>1367</b>	<b>1.4</b>	<b>856</b>	<b>0.9</b>	<b>4847</b>	<b>5.0</b>	<b>88 918</b>	<b>92.6</b>	<b>42</b>	<b>0.0</b>	<b>96 030</b>	<b>100.0</b>

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

\*Hospitals with more than 200 births are identified individually. Obstetric service levels are described on page 13 of the Methods chapter.

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

## Neonatal resuscitation

Table 45 shows the type of neonatal resuscitation for area maternity service level where at least 200 mothers gave health services, and Table 46 for individual hospitals by birth in 2007.

**Table 45. Births by type of resuscitation and health area of hospital, NSW, 2007**

Health area	None		Suction		Resuscitation								Not stated		TOTAL	
	No.	%	No.	%	Oxygen therapy		IPPR by bag and mask		Intubation and IPPR		External cardiac massage and ventilation		No.	%	No.	%
					No.	%	No.	%	No.	%	No.	%				
Sydney South West	13 172	75.7	1 453	8.3	1 266	7.3	1 046	6.0	115	0.7	93	0.5	266	1.5	17 411	100.0
South-Eastern Sydney and Illawarra	8 175	71.3	1 297	11.3	1 296	11.3	607	5.3	53	0.5	39	0.3	6	0.1	11 473	100.0
Sydney West	9 101	65.1	2 245	16.1	1 695	12.1	721	5.2	170	1.2	38	0.3	6	0.0	13 976	100.0
Northern Sydney and Central Coast	5 630	68.8	1 012	12.4	1 027	12.6	423	5.2	63	0.8	23	0.3	0	0.0	8 178	100.0
Hunter and New England	6 275	68.3	516	5.6	1 445	15.7	843	9.2	61	0.7	38	0.4	5	0.1	9 183	100.0
North Coast	3 907	67.3	612	10.5	814	14.0	423	7.3	21	0.4	15	0.3	14	0.2	5 806	100.0
Greater Southern	2 351	66.7	408	11.6	540	15.3	187	5.3	15	0.4	13	0.4	9	0.3	3 523	100.0
Greater Western	2 508	65.8	422	11.1	595	15.6	225	5.9	11	0.3	22	0.6	27	0.7	3 810	100.0
Private hospitals	11 999	53.3	5 839	25.9	3 497	15.5	1 021	4.5	31	0.1	21	0.1	121	0.5	22 529	100.0
TOTAL*	63 244	65.9	13 808	14.4	12 181	12.7	5 500	5.7	540	0.6	303	0.3	454	0.5	96 030	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

IPPR: intermittent positive pressure respiration.

**Table 46. Births by type of resuscitation, hospital and maternity service level, NSW, 2007#**

Maternity service level/hospital	None		Suction		Resuscitation								Not stated		TOTAL	
	No.	%	No.	%	Oxygen therapy		IPPR by bag and mask		Intubation and IPPR		External cardiac massage and ventilation		No.	%	No.	%
					No.	%	No.	%	No.	%	No.	%				
<b>Level 6</b>																
Royal Prince Alfred	3 822	73.8	265	5.1	395	7.6	482	9.3	74	1.4	15	0.3	129	2.5	5 182	100.0
Royal North Shore	1 536	65.0	384	16.3	241	10.2	143	6.1	51	2.2	7	0.3	0	0.0	2 362	100.0
Royal Hospital for Women	3 192	74.3	290	6.8	480	11.2	273	6.4	38	0.9	22	0.5	0	0.0	4 295	100.0
Liverpool	2 106	67.8	498	16.0	189	6.1	236	7.6	27	0.9	22	0.7	29	0.9	3 107	100.0
Nepean	2 390	63.1	654	17.3	463	12.2	202	5.3	63	1.7	13	0.3	1	0.0	3 786	100.0
Westmead	2 858	66.9	559	13.1	492	11.5	257	6.0	91	2.1	12	0.3	2	0.0	4 271	100.0
John Hunter	2 735	70.9	193	5.0	362	9.4	485	12.6	52	1.3	29	0.8	0	0.0	3 856	100.0
Total	18 639	69.4	2 843	10.6	2 622	9.8	2 078	7.7	396	1.5	120	0.4	161	0.6	26 859	100.0
<b>Level 5</b>																
Gosford	1 900	74.7	129	5.1	383	15.0	118	4.6	4	0.2	11	0.4	0	0.0	2 545	100.0
St George	2 004	74.9	181	6.8	307	11.5	170	6.4	7	0.3	7	0.3	0	0.0	2 676	100.0
Blacktown	1 859	59.3	719	22.9	405	12.9	130	4.1	12	0.4	9	0.3	0	0.0	3 134	100.0
Lismore Base	985	72.5	93	6.8	160	11.8	107	7.9	6	0.4	3	0.2	4	0.3	1 358	100.0
Tweed Heads	854	69.8	24	2.0	235	19.2	102	8.3	5	0.4	0	0	3	0.2	1 223	100.0
Dubbo Base	856	71.5	84	7.0	172	14.4	61	5.1	5	0.4	7	0.6	13	1.1	1 198	100.0
Wollongong	1 423	60.0	556	23.4	297	12.5	81	3.4	5	0.2	4	0.2	6	0.3	2 372	100.0
Maitland	1 265	79.8	28	1.8	148	9.3	136	8.6	5	0.3	3	0.2	0	0.0	1 585	100.0
Wagga Wagga Base	522	64.8	88	10.9	129	16.0	58	7.2	5	0.6	2	0.2	1	0.1	805	100.0
Total	11 668	69.1	1 902	11.3	2 236	13.2	963	5.7	54	0.3	46	0.3	27	0.2	16 896	100.0
<b>Level 4</b>																
Canterbury	1 291	79.7	95	5.9	171	10.6	27	1.7	4	0.2	8	0.5	23	1.4	1 619	100.0
Hornsby	892	72.3	101	8.2	172	13.9	65	5.3	0	0.0	3	0.2	0	0.0	1 233	100.0
Manly	695	75.2	57	6.2	108	11.7	59	6.4	3	0.3	2	0.2	0	0.0	924	100.0
Mona Vale	304	40.0	332	43.7	94	12.4	25	3.3	5	0.7	0	0.0	0	0.0	760	100.0
Sutherland	911	78.8	118	10.2	89	7.7	33	2.9	2	0.2	3	0.3	0	0.0	1 156	100.0
Auburn	1 166	82.4	85	6.0	85	6.0	74	5.2	3	0.2	2	0.1	0	0.0	1 415	100.0
Campbelltown	2 018	76.9	265	10.1	192	7.3	104	4.0	0	0.0	18	0.7	26	1.0	2 623	100.0
Bankstown-Lidcombe	1 740	80.9	174	8.1	125	5.8	79	3.7	4	0.2	15	0.7	13	0.6	2 150	100.0

(Continued)

Table 46. (Continued)

Maternity service level/hospital	Resuscitation														TOTAL	
	None		Suction		Oxygen therapy		IPPR by bag and mask		Intubation and IPPR		External cardiac massage and ventilation		Not stated		No.	%
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Hawkesbury	572	67.3	110	12.9	136	16.0	27	3.2	1	0.1	2	0.2	2	0.2	850	100.0
Coffs Harbour	631	68.4	113	12.2	122	13.2	51	5.5	1	0.1	3	0.3	2	0.2	923	100.0
Port Macquarie Base	572	71.6	52	6.5	116	14.5	52	6.5	3	0.4	4	0.5	0	0.0	799	100.0
Tamworth Base	547	60.2	56	6.2	223	24.6	80	8.8	1	0.1	1	0.1	0	0.0	908	100.0
Manning Base	568	77.7	55	7.5	60	8.2	45	6.2	1	0.1	1	0.1	1	0.1	731	100.0
Orange Base	636	68.2	71	7.6	160	17.1	51	5.5	2	0.2	4	0.4	9	1.0	933	100.0
Goulburn Base	195	66.6	22	7.5	55	18.8	15	5.1	2	0.7	1	0.3	3	1.0	293	100.0
Griffith Base	225	48.9	69	15.0	140	30.4	23	5.0	2	0.4	0	0.0	1	0.2	460	100.0
Other hospitals	87	96.7	0	0.0	1	1.1	2	2.2	0	0.0	0	0.0	0	0.0	90	100.0
<b>Total</b>	<b>13 050</b>	<b>73.0</b>	<b>1775</b>	<b>9.9</b>	<b>2049</b>	<b>11.5</b>	<b>812</b>	<b>4.5</b>	<b>34</b>	<b>0.2</b>	<b>67</b>	<b>0.4</b>	<b>80</b>	<b>0.4</b>	<b>17 867</b>	<b>100.0</b>
<b>Level 3</b>																
Blue Mountains	189	65.9	42	14.6	40	13.9	16	5.6	0	0.0	0	0.0	0	0.0	287	100.0
Fairfield	1645	81.0	136	6.7	129	6.3	94	4.6	2	0.1	4	0.2	22	1.1	2032	100.0
Grafton Base	230	44.9	186	36.3	37	7.2	53	10.4	3	0.6	1	0.2	2	0.4	512	100.0
Kempsey	228	78.6	7	2.4	24	8.3	28	9.7	0	0.0	2	0.7	1	0.3	290	100.0
Murwillumbah	200	52.8	97	25.6	60	15.8	17	4.5	2	0.5	1	0.3	2	0.5	379	100.0
Armidale	285	62.0	23	5.0	133	28.9	18	3.9	0	0.0	0	0.0	1	0.2	460	100.0
Inverell	33	12.1	14	5.1	204	75.0	20	7.4	1	0.4	0	0.0	0	0.0	272	100.0
Moree	120	52.6	45	19.7	52	22.8	9	3.9	0	0.0	2	0.9	0	0.0	228	100.0
Mudgee	175	69.7	14	5.6	38	15.1	20	8.0	1	0.4	1	0.4	2	0.8	251	100.0
Bathurst Base	231	42.0	186	33.8	92	16.7	34	6.2	3	0.5	3	0.5	1	0.2	550	100.0
Cowra	157	77.7	4	2.0	35	17.3	4	2.0	0	0.0	1	0.5	1	0.5	202	100.0
Lithgow	67	28.8	76	32.6	74	31.8	15	6.4	0	0.0	0	0.0	1	0.4	233	100.0
Moruya	258	74.1	30	8.6	42	12.1	17	4.9	0	0.0	1	0.3	0	0.0	348	100.0
Queanbeyan	252	86.6	4	1.4	25	8.6	5	1.7	1	0.3	2	0.7	2	0.7	291	100.0
Bowral	550	78.8	20	2.9	65	9.3	24	3.4	4	0.6	11	1.6	24	3.4	698	100.0
Shoalhaven	554	66.0	138	16.4	102	12.2	42	5.0	1	0.1	2	0.2	0	0.0	839	100.0
Muswellbrook	182	83.9	3	1.4	13	6.0	19	8.8	0	0.0	0	0.0	0	0.0	217	100.0
Broken Hill Base	188	68.9	37	13.6	27	9.9	20	7.3	0	0.0	1	0.4	0	0.0	273	100.0
Other hospitals	1197	62.1	278	14.4	322	16.7	110	5.7	5	0.3	12	0.6	4	0.2	1928	100.0
<b>Total</b>	<b>6741</b>	<b>65.5</b>	<b>1340</b>	<b>13.0</b>	<b>1514</b>	<b>14.7</b>	<b>565</b>	<b>5.5</b>	<b>23</b>	<b>0.2</b>	<b>44</b>	<b>0.4</b>	<b>63</b>	<b>0.6</b>	<b>10 290</b>	<b>100.0</b>
<b>Level 2</b>																
Wyong	216	81.8	9	3.4	28	10.6	11	4.2	0	0.0	0	0.0	0	0.0	264	100.0
Other hospitals	781	68.2	89	7.8	223	19.5	45	3.9	2	0.2	4	0.3	2	0.2	1146	100.0
<b>Total</b>	<b>997</b>	<b>70.7</b>	<b>98</b>	<b>7.0</b>	<b>251</b>	<b>17.8</b>	<b>56</b>	<b>4.0</b>	<b>2</b>	<b>0.1</b>	<b>4</b>	<b>0.3</b>	<b>2</b>	<b>0.1</b>	<b>1410</b>	<b>100.0</b>
<b>Private</b>																
Mater, North Sydney	1342	59.6	357	15.8	390	17.3	150	6.7	4	0.2	3	0.1	7	0.3	2253	100.0
North Shore Private	1629	59.4	550	20.0	418	15.2	101	3.7	1	0.0	3	0.1	42	1.5	2744	100.0
Sydney Adventist	1228	55.5	664	30.0	189	8.5	121	5.5	2	0.1	1	0.0	8	0.4	2213	100.0
North Gosford Private	570	64.1	129	14.5	155	17.4	27	3.0	0	0.0	4	0.4	4	0.4	889	100.0
Hurstville Community	116	13.0	478	53.7	246	27.6	46	5.2	0	0.0	0	0.0	4	0.4	890	100.0
Kareena Private	81	14.3	325	57.3	135	23.8	25	4.4	1	0.2	0	0.0	0	0.0	567	100.0
St George Private	517	27.6	885	47.3	371	19.8	70	3.7	4	0.2	4	0.2	21	1.1	1872	100.0
Prince of Wales Private	815	40.8	727	36.4	353	17.7	89	4.5	4	0.2	2	0.1	7	0.4	1997	100.0
The Hills Private	993	75.8	133	10.2	130	9.9	51	3.9	0	0.0	1	0.1	2	0.2	1310	100.0
Sydney Southwest Private	754	68.7	184	16.8	104	9.5	47	4.3	1	0.1	0	0.0	8	0.7	1098	100.0
Nepean Private	539	63.5	66	7.8	200	23.6	38	4.5	1	0.1	0	0.0	5	0.6	849	100.0
Westmead Private	1428	68.4	399	19.1	178	8.5	68	3.3	2	0.1	1	0.0	11	0.5	2087	100.0
Figtree Private	141	14.2	597	60.1	216	21.7	38	3.8	1	0.1	1	0.1	0	0.0	994	100.0
Newcastle Private	1383	72.8	146	7.7	265	14.0	99	5.2	5	0.3	1	0.1	0	0.0	1899	100.0
Calvary, Wagga Wagga	298	52.2	136	23.8	89	15.6	43	7.5	4	0.7	0	0.0	1	0.2	571	100.0
Other hospitals	165	55.7	63	21.3	58	19.6	8	2.7	1	0.3	0	0.0	1	0.3	296	100.0
<b>Total</b>	<b>11 999</b>	<b>53.3</b>	<b>5839</b>	<b>25.9</b>	<b>3497</b>	<b>15.5</b>	<b>1021</b>	<b>4.5</b>	<b>31</b>	<b>0.1</b>	<b>21</b>	<b>0.1</b>	<b>121</b>	<b>0.5</b>	<b>22 529</b>	<b>100.0</b>
<b>TOTAL NSW*</b>	<b>63 244</b>	<b>65.9</b>	<b>13 808</b>	<b>14.4</b>	<b>12 181</b>	<b>12.7</b>	<b>5500</b>	<b>5.7</b>	<b>540</b>	<b>0.6</b>	<b>303</b>	<b>0.3</b>	<b>454</b>	<b>0.5</b>	<b>96 030</b>	<b>100.0</b>

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

\*Hospitals with more than 200 births are identified individually. Obstetric service levels are described on page 13 of the Methods chapter.

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

IPPR: intermittent positive pressure respiration.

## Admission to special care or neonatal intensive care

Tables 47 shows admissions of liveborn babies to special care or neonatal intensive care for area health

services, and Table 48 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2007.

**Table 47. Live births by admission to special care or neonatal intensive care by health area of hospital, NSW, 2007**

Health area	No		Admission to special care or NICU				TOTAL	
	No.	%	No.	%	No.	%	No.	%
Sydney South West	15 065	87.4	2180	12.6	0	0.0	17 245	100.0
South-Eastern Sydney and Illawarra	9557	83.9	1836	16.1	0	0.0	11 393	100.0
Sydney West	10 892	79.3	2847	20.7	0	0.0	13 739	100.0
Northern Sydney and Central Coast	6884	84.8	1238	15.2	0	0.0	8122	100.0
Hunter and New England	7535	82.8	1555	17.1	7	0.1	9097	100.0
North Coast	4938	85.6	800	13.9	33	0.6	5771	100.0
Greater Southern	3061	87.7	417	11.9	13	0.4	3491	100.0
Greater Western	3271	86.6	443	11.7	65	1.7	3779	100.0
Private hospitals	20 136	89.7	2296	10.2	11	0.0	22 443	100.0
Other	140	100.0	0	0.0	0	0.0	140	100.0
TOTAL*	81 479	85.6	13 612	14.3	129	0.1	95 220	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

NICU: neonatal intensive care unit.

**Table 48. Live births by admission to special care of neonatal intensive care, hospital and maternity service level, NSW, 2007#**

Maternity service level/hospital	No		Admission to special care or NICU				TOTAL	
	No.	%	No.	%	No.	%	No.	%
<b>Level 6</b>								
Royal Prince Alfred	4485	87.2	659	12.8	0	0.0	5144	100.0
Royal North Shore	2047	87.7	288	12.3	0	0.0	2335	100.0
Royal Hospital for Women	3514	82.4	750	17.6	0	0.0	4264	100.0
Liverpool	2656	87.5	381	12.5	0	0.0	3037	100.0
Nepean	2714	74.7	918	25.3	0	0.0	3632	100.0
Westmead	3361	79.5	869	20.5	0	0.0	4230	100.0
John Hunter	2970	78.2	827	21.8	0	0.0	3797	100.0
Total	21 747	82.3	4692	17.7	0	0.0	26 439	100.0
<b>Level 5</b>								
Gosford	2125	83.9	407	16.1	0	0.0	2532	100.0
St George	2209	83.0	452	17.0	0	0.0	2661	100.0
Blacktown	2551	82.1	558	17.9	0	0.0	3109	100.0
Lismore Base	1093	81.2	228	16.9	25	1.9	1346	100.0
Tweed Heads	1021	84.0	189	15.5	6	0.5	1216	100.0
Dubbo Base	966	81.4	217	18.3	4	0.3	1187	100.0
Wollongong	1915	81.6	433	18.4	0	0.0	2348	100.0
Maitland	1342	85.3	231	14.7	0	0.0	1573	100.0
Wagga Wagga Base	627	79.1	164	20.7	2	0.3	793	100.0
Total	13 849	82.6	2879	17.2	37	0.2	16 765	100.0
<b>Level 4</b>								
Canterbury	1456	90.5	152	9.5	0	0.0	1608	100.0
Hornsby	973	79.3	254	20.7	0	0.0	1227	100.0
Manly	780	84.6	142	15.4	0	0.0	922	100.0
Mona Vale	617	81.8	137	18.2	0	0.0	754	100.0
Sutherland	1041	90.4	111	9.6	0	0.0	1152	100.0
Auburn	1067	75.9	339	24.1	0	0.0	1406	100.0
Campbelltown	2271	87.1	335	12.9	0	0.0	2606	100.0
Bankstown-Lidcombe	1850	86.7	284	13.3	0	0.0	2134	100.0
Hawkesbury	712	84.5	131	15.5	0	0.0	843	100.0

(Continued)



Table 48. (Continued)

Maternity service level/hospital	No		Admission to special care or NICU				TOTAL	
	No.	%	No.	%	No.	%	No.	%
Coffs Harbour	773	84.5	140	15.3	2	0.2	915	100.0
Port Macquarie Base	680	85.4	116	14.6	0	0.0	796	100.0
Tamworth Base	603	66.9	298	33.0	1	0.1	902	100.0
Manning Base	645	88.6	83	11.4	0	0.0	728	100.0
Orange Base	757	82.0	125	13.5	41	4.4	923	100.0
Goulburn Base	270	92.8	21	7.2	0	0.0	291	100.0
Griffith Base	313	68.6	143	31.4	0	0.0	456	100.0
Other hospitals	89	98.9	1	1.1	0	0.0	90	100.0
<b>Total</b>	<b>14 897</b>	<b>83.9</b>	<b>2 812</b>	<b>15.8</b>	<b>44</b>	<b>0.2</b>	<b>17 753</b>	<b>100.0</b>
<b>Level 3</b>								
Blue Mountains	264	92.0	23	8.0	0	0.0	287	100.0
Fairfield	1707	84.5	313	15.5	0	0.0	2020	100.0
Grafton Base	440	86.4	69	13.6	0	0.0	509	100.0
Kempsey	271	93.4	19	6.6	0	0.0	290	100.0
Murwillumbah	356	94.2	22	5.8	0	0.0	378	100.0
Armidale	422	92.1	36	7.9	0	0.0	458	100.0
Inverell	255	93.8	16	5.9	1	0.4	272	100.0
Moree	194	86.2	27	12.0	4	1.8	225	100.0
Mudgee	242	96.8	8	3.2	0	0.0	250	100.0
Bathurst Base	499	91.1	43	7.8	6	1.1	548	100.0
Cowra	178	88.6	9	4.5	14	7.0	201	100.0
Lithgow	223	96.1	9	3.9	0	0.0	232	100.0
Moruya	333	96.5	12	3.5	0	0.0	345	100.0
Queanbeyan	280	96.6	10	3.4	0	0.0	290	100.0
Bowral	640	92.0	56	8.0	0	0.0	696	100.0
Shoalhaven	746	89.3	89	10.7	0	0.0	835	100.0
Muswellbrook	208	95.9	9	4.1	0	0.0	217	100.0
Broken Hill Base	252	92.3	21	7.7	0	0.0	273	100.0
Other hospitals	1814	94.8	88	4.6	11	0.6	1913	100.0
<b>Total</b>	<b>9 324</b>	<b>91.1</b>	<b>8 79</b>	<b>8.6</b>	<b>36</b>	<b>0.4</b>	<b>10 239</b>	<b>100.0</b>
<b>Level 2</b>								
Wyong	253	96.6	9	3.4	0	0.0	262	100.0
Other hospitals	1104	96.6	38	3.3	1	0.1	1143	100.0
<b>Total</b>	<b>1 357</b>	<b>96.6</b>	<b>47</b>	<b>3.3</b>	<b>1</b>	<b>0.1</b>	<b>1 405</b>	<b>100.0</b>
<b>Private</b>								
Mater, North Sydney	2045	91.0	197	8.8	6	0.3	2248	100.0
North Shore Private	2687	98.4	44	1.6	0	0.0	2731	100.0
Sydney Adventist	1793	81.5	407	18.5	0	0.0	2200	100.0
North Gosford Private	698	78.8	183	20.7	5	0.6	886	100.0
Hurstville Community	766	86.2	123	13.8	0	0.0	889	100.0
Kareena Private	484	85.4	83	14.6	0	0.0	567	100.0
St George Private	1785	95.7	80	4.3	0	0.0	1865	100.0
Prince of Wales Private	1766	88.6	228	11.4	0	0.0	1994	100.0
The Hills Private	1138	87.3	165	12.7	0	0.0	1303	100.0
Sydney Southwest Private	906	82.6	191	17.4	0	0.0	1097	100.0
Nepean Private	661	77.9	187	22.1	0	0.0	848	100.0
Westmead Private	2060	99.4	13	0.6	0	0.0	2073	100.0
Figtree Private	898	91.0	89	9.0	0	0.0	987	100.0
Newcastle Private	1665	88.0	226	12.0	0	0.0	1891	100.0
Calvary, Wagga Wagga	510	89.6	59	10.4	0	0.0	569	100.0
Other hospitals	274	92.9	21	7.1	0	0.0	295	100.0
<b>Total</b>	<b>20 136</b>	<b>89.7</b>	<b>2 296</b>	<b>10.2</b>	<b>11</b>	<b>0.0</b>	<b>22 443</b>	<b>100.0</b>
<b>TOTAL NSW*</b>	<b>81 479</b>	<b>85.6</b>	<b>13 612</b>	<b>14.3</b>	<b>129</b>	<b>0.1</b>	<b>95 220</b>	<b>100.0</b>

Source: NSW Midwives Data Collection (HOIST), Centre for Epidemiology and Research, NSW Department of Health.

\*Hospitals with more than 200 births are identified individually. Obstetric service levels are described on page 13 of the Methods chapter.

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

NICU: neonatal intensive care unit.

## Infant feeding

Table 49 shows infant feeding at discharge from the individual hospitals by maternity service level where at hospital of birth for area health services, and Table 50 for least 200 mothers gave birth in 2007.

**Table 49. Live births by type of infant feeding and health area of hospital, NSW, 2007**

Health area	Full breast-feeding		Any breast-feeding		Infant feeding Infant formula only		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%
	Sydney South West	12 183	70.6	2153	12.5	2523	14.6	386	2.2	17 245
South-Eastern Sydney and Illawarra	9395	82.5	622	5.5	1234	10.8	142	1.2	11 393	100.0
Sydney West	10 295	74.9	842	6.1	2306	16.8	296	2.2	13 739	100.0
Northern Sydney and Central Coast	6845	84.3	489	6.0	727	9.0	61	0.8	8122	100.0
Hunter and New England	6892	75.8	368	4.0	1603	17.6	234	2.6	9097	100.0
North Coast	4966	86.1	136	2.4	527	9.1	142	2.5	5771	100.0
Greater Southern	2694	77.2	136	3.9	599	17.2	62	1.8	3491	100.0
Greater Western	2886	76.4	62	1.6	653	17.3	178	4.7	3779	100.0
Private hospitals	18 829	83.9	1304	5.8	2128	9.5	182	0.8	22 443	100.0
TOTAL*	75 092	78.9	6113	6.4	12 300	12.9	1715	1.8	95 220	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.  
\*Total includes live births at home assisted by independent midwives

**Table 50. Live births by type of infant feeding, hospital and maternity service level, NSW, 2007#**

Maternity service level/hospital	Full breast-feeding		Any breast-feeding		Infant feeding Infant formula only		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%
	<b>Level 6</b>									
Royal Prince Alfred	4078	79.3	660	12.8	344	6.7	62	1.2	5144	100.0
Royal North Shore	1959	83.9	248	10.6	118	5.1	10	0.4	2335	100.0
Royal Hospital for Women	3731	87.5	238	5.6	245	5.7	50	1.2	4264	100.0
Liverpool	1726	56.8	525	17.3	620	20.4	166	5.5	3037	100.0
Nepean	2519	69.4	163	4.5	907	25.0	43	1.2	3632	100.0
Westmead	3214	76.0	339	8.0	506	12.0	171	4.0	4230	100.0
John Hunter	2839	74.8	162	4.3	736	19.4	60	1.6	3797	100.0
Total	20 066	75.9	2335	8.8	3476	13.1	562	2.1	26 439	100.0
<b>Level 5</b>										
Gosford	2053	81.1	53	2.1	409	16.2	17	0.7	2532	100.0
St George	2079	78.1	284	10.7	267	10.0	31	1.2	2661	100.0
Blacktown	2352	75.7	221	7.1	495	15.9	41	1.3	3109	100.0
Lismore Base	1165	86.6	48	3.6	101	7.5	32	2.4	1346	100.0
Tweed Heads	1111	91.4	19	1.6	70	5.8	16	1.3	1216	100.0
Dubbo Base	860	72.5	19	1.6	276	23.3	32	2.7	1187	100.0
Wollongong	1794	76.4	40	1.7	475	20.2	39	1.7	2348	100.0
Maitland	1123	71.4	76	4.8	358	22.8	16	1.0	1573	100.0
Wagga Wagga Base	564	71.1	56	7.1	163	20.6	10	1.3	793	100.0
Total	13 101	78.1	816	4.9	2614	15.6	234	1.4	16 765	100.0
<b>Level 4</b>										
Canterbury	1309	81.4	129	8.0	151	9.4	19	1.2	1608	100.0
Hornsby	1062	86.6	97	7.9	64	5.2	4	0.3	1227	100.0
Manly	815	88.4	51	5.5	50	5.4	6	0.7	922	100.0
Mona Vale	650	86.2	31	4.1	59	7.8	14	1.9	754	100.0
Sutherland	1009	87.6	30	2.6	103	8.9	10	0.9	1152	100.0
Auburn	1156	82.2	78	5.5	148	10.5	24	1.7	1406	100.0
Campbelltown	1704	65.4	177	6.8	670	25.7	55	2.1	2606	100.0
Bankstown-Lidcombe	1717	80.5	105	4.9	285	13.4	27	1.3	2134	100.0

(Continued)

Table 50. (Continued)

Maternity service level/hospital	Full breast-feeding		Any breast-feeding		Infant feeding Infant formula only		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%
Hawkesbury	634	75.2	23	2.7	175	20.8	11	1.3	843	100.0
Coffs Harbour	754	82.4	9	1.0	89	9.7	63	6.9	915	100.0
Port Macquarie Base	689	86.6	10	1.3	94	11.8	3	0.4	796	100.0
Tamworth Base	623	69.1	33	3.7	139	15.4	107	11.9	902	100.0
Manning Base	614	84.3	17	2.3	87	12.0	10	1.4	728	100.0
Orange Base	706	76.5	14	1.5	121	13.1	82	8.9	923	100.0
Goulburn Base	221	75.9	7	2.4	58	19.9	5	1.7	291	100.0
Griffith Base	309	67.8	33	7.2	111	24.3	3	0.7	456	100.0
Other hospitals	86	95.6	1	1.1	2	2.2	1	1.1	90	100.0
Total	14 058	79.2	845	4.8	2 406	13.6	444	2.5	17 753	100.0
<b>Level 3</b>										
Blue Mountains	243	84.7	14	4.9	26	9.1	4	1.4	287	100.0
Fairfield	1088	53.9	518	25.6	385	19.1	29	1.4	2020	100.0
Grafton Base	389	76.4	32	6.3	87	17.1	1	0.2	509	100.0
Kempsey	232	80.0	5	1.7	44	15.2	9	3.1	290	100.0
Murwillumbah	336	88.9	11	2.9	28	7.4	3	0.8	378	100.0
Armidale	370	80.8	24	5.2	59	12.9	5	1.1	458	100.0
Inverell	211	77.6	19	7.0	36	13.2	6	2.2	272	100.0
Moree	170	75.6	16	7.1	32	14.2	7	3.1	225	100.0
Mudgee	215	86.0	3	1.2	29	11.6	3	1.2	250	100.0
Bathurst Base	461	84.1	4	0.7	59	10.8	24	4.4	548	100.0
Cowra	137	68.2	8	4.0	32	15.9	24	11.9	201	100.0
Lithgow	177	76.3	4	1.7	49	21.1	2	0.9	232	100.0
Moruya	301	87.2	5	1.4	35	10.1	4	1.2	345	100.0
Queanbeyan	246	84.8	7	2.4	33	11.4	4	1.4	290	100.0
Bowral	561	80.6	39	5.6	68	9.8	28	4.0	696	100.0
Shoalhaven	670	80.2	28	3.4	127	15.2	10	1.2	835	100.0
Muswellbrook	179	82.5	1	0.5	34	15.7	3	1.4	217	100.0
Broken Hill Base	211	77.3	3	1.1	59	21.6	0	0.0	273	100.0
Other hospitals	1515	79.2	43	2.2	298	15.6	57	3.0	1913	100.0
Total	7712	75.3	784	7.7	1520	14.8	223	2.2	10 239	100.0
<b>Level 2</b>										
Wyong	220	84.0	8	3.1	25	9.5	9	3.4	262	100.0
Other hospitals	982	85.9	17	1.5	123	10.8	21	1.8	1143	100.0
Total	1202	85.6	25	1.8	148	10.5	30	2.1	1405	100.0
<b>Private</b>										
Mater, North Sydney	2000	89.0	128	5.7	92	4.1	28	1.2	2248	100.0
North Shore Private	2366	86.6	196	7.2	153	5.6	16	0.6	2731	100.0
Sydney Adventist	2014	91.5	0	0	176	8.0	10	0.5	2200	100.0
North Gosford Private	788	88.9	21	2.4	52	5.9	25	2.8	886	100.0
Hurstville Community	691	77.7	71	8.0	119	13.4	8	0.9	889	100.0
Kareena Private	475	83.8	21	3.7	65	11.5	6	1.1	567	100.0
St George Private	1435	76.9	192	10.3	221	11.8	17	0.9	1865	100.0
Prince of Wales Private	1789	89.7	91	4.6	85	4.3	29	1.5	1994	100.0
The Hills Private	1038	79.7	82	6.3	175	13.4	8	0.6	1303	100.0
Sydney Southwest Private	820	74.7	75	6.8	199	18.1	3	0.3	1097	100.0
Nepean Private	648	76.4	65	7.7	132	15.6	3	0.4	848	100.0
Westmead Private	1508	72.7	293	14.1	261	12.6	11	0.5	2073	100.0
Figtree Private	793	80.3	27	2.7	162	16.4	5	0.5	987	100.0
Newcastle Private	1713	90.6	0	0	171	9.0	7	0.4	1891	100.0
Calvary, Wagga Wagga	487	85.6	33	5.8	46	8.1	3	0.5	569	100.0
Other hospitals	264	89.5	9	3.1	19	6.4	3	1.0	295	100.0
Total	18 829	83.9	1304	5.8	2 128	9.5	182	0.8	22 443	100.0
TOTAL NSW*	75 092	78.9	6113	6.4	12 300	12.9	1715	1.8	95 220	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

#Hospitals with more than 200 births are identified individually. Maternity service levels are described on page 13 of the Methods chapter.

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

## Baby discharge status

Table 51 shows the discharge status of babies for area maternity service level where at least 200 mothers gave health services, and Table 52 for individual hospitals by birth in 2007.

**Table 51. Baby discharge status by health area of hospital, NSW, 2007**

Health area	Baby discharge status												TOTAL	
	Discharged		Transferred		Stillborn		Died		Transferred and died		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	16 752	96.2	442	2.5	127	0.7	51	0.3	0	0.0	39	0.2	17 411	100.0
South-Eastern Sydney and Illawarra	10 922	95.2	427	3.7	75	0.7	44	0.4	0	0.0	5	0.0	11 473	100.0
Sydney West	13 235	94.7	459	3.3	113	0.8	45	0.3	0	0.0	124	0.9	13 976	100.0
Northern Sydney and Central Coast	7 381	90.3	729	8.9	56	0.7	12	0.1	0	0.0	0	0.0	8 178	100.0
Hunter and New England	8 386	91.3	645	7.0	84	0.9	65	0.7	1	0.0	2	0.0	9 183	100.0
North Coast	5 576	96.0	186	3.2	35	0.6	6	0.1	3	0.1	0	0.0	5 806	100.0
Greater Southern	3 297	93.6	188	5.3	30	0.9	5	0.1	1	0.0	2	0.1	3 523	100.0
Greater Western	3 293	86.4	479	12.6	27	0.7	6	0.2	1	0.0	4	0.1	3 810	100.0
Private hospitals	22 196	98.5	229	1.0	81	0.4	16	0.1	2	0.0	5	0.0	22 529	100.0
TOTAL*	91 176	94.9	3 786	3.9	629	0.7	250	0.3	8	0.0	181	0.2	96 030	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.  
\*Total NSW includes births at home assisted by independent midwives.

**Table 52. Baby discharge status by hospital and maternity service level, NSW, 2007#**

Maternity service level/hospital	Baby discharge status												TOTAL	
	Discharged		Transferred		Stillborn		Died		Transferred and died		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
<b>Level 6</b>														
Royal Prince Alfred	5 029	97.0	101	1.9	38	0.7	14	0.3	0	0.0	0	0.0	5 182	100.0
Royal North Shore	2 209	93.5	117	5.0	27	1.1	9	0.4	0	0.0	0	0.0	2 362	100.0
Royal Hospital for Women	4 123	96.0	114	2.7	31	0.7	27	0.6	0	0.0	0	0.0	4 295	100.0
Liverpool	2 868	92.3	148	4.8	38	1.2	21	0.7	0	0.0	32	1.0	3 107	100.0
Nepean	3 429	90.6	181	4.8	35	0.9	22	0.6	0	0.0	119	3.1	3 786	100.0
Westmead	4 029	94.3	185	4.3	37	0.9	16	0.4	0	0.0	4	0.1	4 271	100.0
John Hunter	3 529	91.5	214	5.5	58	1.5	54	1.4	0	0.0	1	0.0	3 856	100.0
Total	25 216	93.9	1 060	3.9	264	1.0	163	0.6	0	0.0	156	0.6	26 859	100.0
<b>Level 5</b>														
Gosford	1 966	77.2	564	22.2	13	0.5	2	0.1	0	0.0	0	0.0	2 545	100.0
St George	2 605	97.3	50	1.9	13	0.5	6	0.2	0	0.0	2	0.1	2 676	100.0
Blacktown	3 051	97.4	52	1.7	25	0.8	6	0.2	0	0.0	0	0.0	3 134	100.0
Lismore Base	1 295	95.4	48	3.5	12	0.9	2	0.1	1	0.1	0	0.0	1 358	100.0
Tweed Heads	1 193	97.5	20	1.6	7	0.6	1	0.1	2	0.2	0	0.0	1 223	100.0
Dubbo Base	914	76.3	270	22.5	11	0.9	3	0.3	0	0.0	0	0.0	1 198	100.0
Wollongong	2 102	88.6	240	10.1	23	1.0	6	0.3	0	0.0	1	0.0	2 372	100.0
Maitland	1 458	92.0	111	7.0	12	0.8	4	0.3	0	0.0	0	0.0	1 585	100.0
Wagga Wagga Base	695	86.3	93	11.6	10	1.2	4	0.5	1	0.1	2	0.2	805	100.0
Total	15 279	90.4	1 448	8.6	126	0.7	34	0.2	4	0.0	5	0.0	16 896	100.0
<b>Level 4</b>														
Canterbury	1 593	98.4	13	0.8	5	0.3	2	0.1	0	0.0	6	0.4	1 619	100.0
Hornsby	1 219	98.9	8	0.6	6	0.5	0	0	0	0.0	0	0.0	1 233	100.0
Manly	910	98.5	11	1.2	2	0.2	1	0.1	0	0.0	0	0.0	924	100.0
Mona Vale	737	97.0	17	2.2	6	0.8	0	0	0	0.0	0	0.0	760	100.0
Sutherland	1 141	98.7	9	0.8	2	0.2	2	0.2	0	0.0	2	0.2	1 156	100.0
Auburn	1 384	97.8	21	1.5	9	0.6	1	0.1	0	0.0	0	0.0	1 415	100.0
Campbelltown	2 563	97.7	39	1.5	17	0.6	4	0.2	0	0.0	0	0.0	2 623	100.0
Bankstown-Lidcombe	2 108	98.0	21	1.0	15	0.7	5	0.2	0	0.0	1	0.0	2 150	100.0

(Continued)

Table 52. (Continued)

Maternity service level/hospital	Baby discharge status												TOTAL	
	Discharged		Transferred		Stillborn		Died		Transferred and died		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Hawkesbury	833	98.0	10	1.2	6	0.7	0	0	0	0.0	1	0.1	850	100.0
Coffs Harbour	867	93.9	47	5.1	8	0.9	1	0.1	0	0.0	0	0.0	923	100.0
Port Macquarie Base	773	96.7	22	2.8	3	0.4	1	0.1	0	0.0	0	0.0	799	100.0
Tamworth Base	707	77.9	194	21.4	6	0.7	0	0	1	0.1	0	0.0	908	100.0
Manning Base	701	95.9	23	3.1	3	0.4	4	0.5	0	0.0	0	0.0	731	100.0
Orange Base	858	92.0	64	6.9	7	0.8	1	0.1	0	0.0	3	0.3	933	100.0
Goulburn Base	281	95.9	10	3.4	2	0.7	0	0	0	0.0	0	0.0	293	100.0
Griffith Base	452	98.3	3	0.7	4	0.9	1	0.2	0	0.0	0	0.0	460	100.0
Other hospitals	87	96.7	3	3.3	0	0	0	0	0	0.0	0	0.0	90	100.0
<b>Total</b>	<b>17 214</b>	<b>96.3</b>	<b>515</b>	<b>2.9</b>	<b>101</b>	<b>0.6</b>	<b>23</b>	<b>0.1</b>	<b>1</b>	<b>0.0</b>	<b>13</b>	<b>0.1</b>	<b>17 867</b>	<b>100.0</b>
<b>Level 3</b>														
Blue Mountains	282	98.3	5	1.7	0	0.0	0	0.0	0	0.0	0	0.0	287	100.0
Fairfield	1997	98.3	19	0.9	12	0.6	4	0.2	0	0.0	0	0.0	2032	100.0
Grafton Base	500	97.7	8	1.6	3	0.6	1	0.2	0	0.0	0	0.0	512	100.0
Kempsey	278	95.9	12	4.1	0	0.0	0	0.0	0	0.0	0	0.0	290	100.0
Murwillumbah	375	98.9	3	0.8	1	0.3	0	0.0	0	0.0	0	0.0	379	100.0
Armidale	443	96.3	14	3.0	2	0.4	1	0.2	0	0.0	0	0.0	460	100.0
Inverell	259	95.2	13	4.8	0	0.0	0	0.0	0	0.0	0	0.0	272	100.0
Moree	214	93.9	11	4.8	3	1.3	0	0.0	0	0.0	0	0.0	228	100.0
Mudgee	240	95.6	9	3.6	1	0.4	1	0.4	0	0.0	0	0.0	251	100.0
Bathurst Base	461	83.8	85	15.5	1	0.2	1	0.2	1	0.2	1	0.2	550	100.0
Cowra	192	95.0	9	4.5	1	0.5	0	0.0	0	0.0	0	0.0	202	100.0
Lithgow	227	97.4	5	2.1	1	0.4	0	0.0	0	0.0	0	0.0	233	100.0
Moruya	338	97.1	7	2.0	3	0.9	0	0.0	0	0.0	0	0.0	348	100.0
Queanbeyan	281	96.6	9	3.1	1	0.3	0	0.0	0	0.0	0	0.0	291	100.0
Bowral	594	85.1	101	14.5	2	0.3	1	0.1	0	0.0	0	0.0	698	100.0
Shoalhaven	821	97.9	11	1.3	4	0.5	3	0.4	0	0.0	0	0.0	839	100.0
Muswellbrook	207	95.4	10	4.6	0	0.0	0	0.0	0	0.0	0	0.0	217	100.0
Broken Hill Base	270	98.9	3	1.1	0	0.0	0	0.0	0	0.0	0	0.0	273	100.0
Other hospitals	1809	93.8	103	5.3	15	0.8	1	0.1	0	0.0	0	0.0	1928	100.0
<b>Total</b>	<b>9788</b>	<b>95.1</b>	<b>437</b>	<b>4.2</b>	<b>50</b>	<b>0.5</b>	<b>13</b>	<b>0.1</b>	<b>1</b>	<b>0.0</b>	<b>1</b>	<b>0.0</b>	<b>10 290</b>	<b>100.0</b>
<b>Level 2</b>														
Wyang	253	95.8	9	3.4	2	0.8	0	0.0	0	0.0	0	0.0	264	100.0
Other hospitals	1071	93.5	71	6.2	2	0.2	1	0.1	0	0.0	1	0.1	1146	100.0
<b>Total</b>	<b>1324</b>	<b>93.9</b>	<b>80</b>	<b>5.7</b>	<b>4</b>	<b>0.3</b>	<b>1</b>	<b>0.1</b>	<b>0</b>	<b>0.0</b>	<b>1</b>	<b>0.1</b>	<b>1410</b>	<b>100.0</b>
<b>Private</b>														
Mater, North Sydney	2229	98.9	17	0.8	5	0.2	0	0.0	2	0.1	0	0.0	2253	100.0
North Shore Private	2711	98.8	17	0.6	11	0.4	3	0.1	0	0.0	2	0.1	2744	100.0
Sydney Adventist	2185	98.7	15	0.7	13	0.6	0	0.0	0	0.0	0	0.0	2213	100.0
North Gosford Private	876	98.5	10	1.1	3	0.3	0	0.0	0	0.0	0	0.0	889	100.0
Hurstville Community	870	97.8	18	2.0	1	0.1	1	0.1	0	0.0	0	0.0	890	100.0
Kareena Private	561	98.9	6	1.1	0	0.0	0	0.0	0	0.0	0	0.0	567	100.0
St George Private	1858	99.3	4	0.2	7	0.4	3	0.2	0	0.0	0	0.0	1872	100.0
Prince of Wales Private	1982	99.2	10	0.5	2	0.1	2	0.1	0	0.0	1	0.1	1997	100.0
The Hills Private	1291	98.5	9	0.7	7	0.5	3	0.2	0	0.0	0	0.0	1310	100.0
Sydney Southwest Private	1087	99.0	10	0.9	1	0.1	0	0.0	0	0.0	0	0.0	1098	100.0
Nepean Private	838	98.7	10	1.2	1	0.1	0	0.0	0	0.0	0	0.0	849	100.0
Westmead Private	2048	98.1	25	1.2	12	0.6	0	0.0	0	0.0	2	0.1	2087	100.0
Figtree Private	974	98.0	11	1.1	7	0.7	2	0.2	0	0.0	0	0.0	994	100.0
Newcastle Private	1839	96.8	50	2.6	8	0.4	2	0.1	0	0.0	0	0.0	1899	100.0
Calvary, Wagga Wagga	554	97.0	15	2.6	2	0.4	0	0.0	0	0.0	0	0.0	571	100.0
Other hospitals	293	99.0	2	0.7	1	0.3	0	0.0	0	0.0	0	0.0	296	100.0
<b>Total</b>	<b>22 196</b>	<b>98.5</b>	<b>229</b>	<b>1.0</b>	<b>81</b>	<b>0.4</b>	<b>16</b>	<b>0.1</b>	<b>2</b>	<b>0.0</b>	<b>5</b>	<b>0.0</b>	<b>22 529</b>	<b>100.0</b>
<b>TOTAL NSW*</b>	<b>91 176</b>	<b>94.9</b>	<b>3786</b>	<b>3.9</b>	<b>629</b>	<b>0.7</b>	<b>250</b>	<b>0.3</b>	<b>8</b>	<b>0.0</b>	<b>181</b>	<b>0.2</b>	<b>96 030</b>	<b>100.0</b>

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

\*Hospitals with more than 200 births are identified individually. Obstetric service levels are described on page 13 of the Methods chapter.

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

## Postnatal length of stay

Table 53 shows the mother's postnatal length of stay in the hospital of birth for hospitals where at least 200 mothers gave birth in 2007.

**Table 53. Average maternal postnatal length of stay in hospital of birth, NSW, 2002–2006#**

Health area/hospital	Average postnatal length of stay (days)				
	2002	2003	2004	2005	2006
<b>Sydney South West</b>					
Canterbury	2.9	3.0	3.0	2.9	2.8
Royal Prince Alfred	3.8	3.7	3.9	3.7	3.6
Fairfield	2.6	2.6	2.6	2.7	2.6
Liverpool	2.6	2.7	2.8	2.9	2.9
Campbelltown	2.7	2.6	2.5	2.7	2.8
Bankstown–Lidcombe	2.8	2.8	2.7	2.7	2.7
Bowral	2.3	2.3	2.2	2.4	2.2
Other hospitals	–	2.7	2.8	2.8	–
ALL HOSPITALS	2.9	3.0	3.0	3.0	3.0
<b>South-Eastern Sydney and Illawarra</b>					
St George	2.7	2.8	2.7	2.5	2.5
Sutherland	3.1	3.1	3.1	2.9	3.1
Royal Hospital for Women	3.6	3.5	3.5	3.4	3.4
Shoalhaven	2.3	2.4	2.6	2.6	2.9
Wollongong	2.6	2.7	2.5	2.2	2.3
Other hospitals	2.9	2.6	2.3	2.4	2.8
ALL HOSPITALS	3.0	3.0	3.0	2.8	2.9
<b>Sydney West</b>					
Auburn	2.9	2.8	2.9	2.8	2.8
Blacktown	2.9	3.1	3.1	3.0	3.0
Blue Mountains	3.7	3.4	3.0	3.0	3.3
Nepean	3.0	3.2	3.3	3.1	3.0
Westmead	3.2	3.3	3.2	3.1	2.8
Hawkesbury	3.3	3.2	3.4	3.3	3.4
Lithgow	3.0	3.5	3.5	3.0	3.0
ALL HOSPITALS	3.1	3.2	3.2	3.0	2.9
<b>Northern Sydney and Central Coast</b>					
Gosford	2.5	2.5	2.5	2.1	2.1
Wyong	2.1	2.1	2.1	2.0	2.0
Hornsby	3.1	2.9	2.9	2.8	2.6
Manly	3.6	3.6	3.8	3.6	3.5
Mona Vale	3.5	3.3	3.2	3.0	2.9
Royal North Shore	3.6	3.5	3.3	3.4	3.3
Other hospitals	3.4	3.3	3.1	1.9	1.0
ALL HOSPITALS	3.1	3.0	3.0	2.8	2.7
<b>Hunter and New England</b>					
Armidale	3.7	3.8	3.8	3.4	3.3
Inverell	3.0	3.0	3.3	3.4	3.3
Moree	3.5	3.5	3.4	3.3	3.4
Tamworth Base	3.3	3.4	3.5	3.2	3.0
Manning Base	3.0	3.2	3.3	3.1	3.2
Maitland	2.5	2.4	2.5	2.4	2.4
Muswellbrook	3.2	3.1	2.9	3.0	2.8
Singleton	2.8	2.6	2.5	2.7	2.6
John Hunter	3.2	3.2	3.2	3.3	3.1
Other hospitals	3.2	3.3	3.1	2.8	2.6
ALL HOSPITALS	3.1	3.1	3.1	3.1	2.9

(Continued)

Table 53. (Continued)

Health area/hospital	Average postnatal length of stay (days)				
	2002	2003	2004	2005	2006
<b>North Coast</b>					
Coffs Harbour	3.8	3.9	3.9	3.7	3.6
Grafton Base	3.6	3.6	3.6	3.5	3.4
Kempsey	3.0	3.1	3.1	2.9	2.9
Lismore Base	3.1	3.2	3.5	3.2	3.4
Murwillumbah	3.5	3.4	3.7	3.7	3.3
Tweed Heads	3.1	3.0	3.2	3.1	3.0
Port Macquarie Base	3.8	3.5	3.6	3.5	3.3
Other hospitals	2.6	2.5	2.6	2.6	2.4
ALL HOSPITALS	3.3	3.3	3.5	3.3	3.2
<b>Greater Southern</b>					
Goulburn Base	3.5	3.4	3.5	3.4	3.5
Moruya	2.9	2.8	2.7	2.7	2.7
Queanbeyan	3.3	3.1	3.0	3.2	3.0
Griffith Base	3.1	3.2	3.2	3.1	3.0
Wagga Wagga Base	3.0	3.1	2.9	2.7	2.7
Other hospitals	3.6	3.7	3.6	3.5	3.5
ALL HOSPITALS	3.3	3.4	3.3	3.1	3.1
<b>Greater Western</b>					
Dubbo Base	2.5	2.4	2.4	2.8	2.4
Mudgee	3.2	3.2	3.0	2.9	2.8
Bathurst Base	3.1	2.9	3.0	3.0	2.8
Orange Base	3.2	3.1	3.0	2.9	2.8
Parkes	3.4	3.5	3.4	3.4	3.3
Broken Hill Base	3.4	3.3	3.6	3.5	3.6
Other hospitals	3.1	3.3	2.9	2.8	3.0
ALL HOSPITALS	3.0	2.9	2.9	2.9	2.8
<b>Private hospitals</b>					
Mater, North Sydney	4.5	4.4	4.5	4.4	4.5
North Shore Private	4.5	4.4	4.4	4.4	4.4
Sydney Adventist	4.6	4.6	4.6	4.6	4.7
North Gosford Private	4.7	4.7	4.7	4.8	4.6
Hurstville Community	4.5	4.5	4.5	4.5	4.5
Kareena Private	5.0	4.8	4.5	4.5	4.5
St George Private	4.9	4.6	4.6	4.6	4.3
Prince of Wales Private	4.7	4.6	4.6	4.5	4.5
The Hills Private	4.8	4.7	4.6	4.6	4.5
Sydney Southwest Private	4.3	4.4	4.4	4.3	4.3
Nepean Private	4.5	4.6	4.6	4.6	4.6
Westmead Private	4.5	4.2	4.0	4.0	4.0
Figtree Private	5.5	5.3	5.2	5.2	5.3
Newcastle Private	5.5	5.9	4.3	4.3	4.0
Calvary, Wagga Wagga	4.6	4.8	4.7	4.8	4.8
Other private hospitals	4.9	4.8	4.9	4.9	5.1
ALL HOSPITALS	4.7	4.6	4.5	4.5	4.5
TOTAL NSW*	3.5	3.5	3.4	3.4	3.3

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

\*Hospitals with more than 200 births are identified individually.

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

## Clinical indicators

Selected clinical indicators for obstetrics are reported in this section. The definitions of the clinical indicators follow those described in Version 6 of the Australian Council on Healthcare Standards Clinical Indicator User's Manual.<sup>1</sup>

## Reference

1. Australian Council on Healthcare Standards. Obstetrics Indicators – Clinical Indicator Users' Manual, Version 6. Sydney: ACHS; 2008.

## 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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 54 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

**Table 54. 1.1 Selected primipara who have a spontaneous vaginal birth by hospital, NSW, 2007<sup>#</sup>**

Health area–hospital	%	Health area–hospital	%	
Sydney South West	Canterbury		73.5	
	Royal Prince Alfred		60.3	
	Fairfield		61.7	
	Liverpool		65.2	
	Campbelltown		62.4	
	Bankstown–Lidcombe		87.0	
	Bowral		63.4	
South-Eastern Sydney and Illawarra	Total	Greater Southern	Total	
	St. George		Goulburn Base	52.0
	Sutherland		Moruya	58.2
	Royal Hospital for Women		Queanbeyan	68.0
	Shoalhaven		Griffith Base	64.2
	Wollongong		Wagga Wagga Base	54.3
	Other hospitals		Other hospitals	55.4
Sydney West	Total	Greater Western	Total	
	Auburn		Dubbo Base	54.8
	Blacktown		Mudgee	56.7
	Blue Mountains		Bathurst Base	64.9
	Nepean		Cowra	67.4
	Westmead		Orange Base	50.6
	Hawkesbury		Broken Hill Base	53.8
Northern Sydney and Central Coast	Total	Private hospitals	Other hospitals	
	Gosford		Total	55.5
	Wyong		Mater, North Sydney	29.8
	Hornsby		North Shore Private	33.9
	Manly		Sydney Adventist	44.0
	Mona Vale		North Gosford Private	34.1
	Royal North Shore		Hurstville Community	35.5
Hunter and New England	Other hospitals		Kareena Private	21.9
	Total		St. George Private	35.1
	Armidale		Prince of Wales Private	39.7
	Inverell		The Hills Private	41.9
	Moree		Sydney Southwest Private	55.2
	Tamworth Base		Nepean Private	44.1
	Manning Base		Westmead Private	43.5
North Coast	Maitland		Figtree Private	41.7
	Muswellbrook		Newcastle Private	41.8
	John Hunter		Calvary, Wagga Wagga	36.8
	Other hospitals		Other hospitals	31.9
	Total	TOTAL NSW*	Total	38.9
	Coffs Harbour		TOTAL NSW*	52.7
	Grafton Base			

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

\*Total NSW includes homebirths assisted by independent midwives.



### Outcome of selected primipara, Indicator 1.2

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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 55 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

Table 55. 1.2 Selected primipara who undergo induction of labour by hospital, NSW, 2003–2007<sup>#</sup>

Health area–hospital	%	Health area–hospital	%		
Sydney South West	Canterbury	28.5	Kempsey	8.2	
	Royal Prince Alfred	25.7		Lismore Base	33.9
	Fairfield	23.7		Murwillumbah	20.2
	Liverpool	27.3		Tweed Heads	27.8
	Campbelltown	30.6		Port Macquarie Base	32.5
	Bankstown–Lidcombe	33.5		Other hospitals	0.0
	Bowral	35.1		Total	26.7
	Total	27.8		Greater Southern	Goulburn Base
South-Eastern Sydney and Illawarra	St. George	35.1	Moruya		27.8
	Sutherland	30.5	Queanbeyan		26.7
	Royal Hospital for Women	35.2	Griffith Base		19.5
	Shoalhaven	28.9	Wagga Wagga Base		31.4
	Wollongong	39.7	Other hospitals		29.8
	Other hospitals	54.8	Total	26.3	
Sydney West	Total	35.3	Greater Western	Dubbo Base	31.2
	Auburn	32.3		Mudgee	28.3
	Blacktown	43.2		Bathurst Base	23.9
	Blue Mountains	35.4		Cowra	39.5
	Nepean	37.9		Orange Base	35.9
	Westmead	43.0		Broken Hill Base	24.6
	Hawkesbury	43.0		Other hospitals	33.3
	Lithgow	41.3		Total	31.2
Northern Sydney and Central Coast	Total	40.5	Private hospitals	Mater, North Sydney	29.7
	Gosford	36.4		North Shore Private	27.2
	Wyong	0.0		Sydney Adventist	35.8
	Hornsby	28.8		North Gosford Private	31.8
	Manly	32.8		Hurstville Community	36.2
	Mona Vale	46.5		Kareena Private	36.3
	Royal North Shore	33.0		St. George Private	35.5
	Other hospitals	0.0		Prince of Wales Private	28.1
	Total	33.1		The Hills Private	46.1
	Hunter and New England	Armidale		33.3	Sydney Southwest Private
Inverell		31.4	Nepean Private	34.0	
Moree		26.5	Westmead Private	37.2	
Tamworth Base		37.5	Figtree Private	51.0	
Manning Base		23.7	Newcastle Private	30.1	
Maitland		39.1	Calvary, Wagga Wagga	27.1	
Muswellbrook		7.5	Other hospitals	33.3	
John Hunter		28.5	Total	33.9	
Other hospitals		26.3	TOTAL NSW*	32.8	
Total		30.8			
North Coast	Coffs Harbour	20.8			
	Grafton Base	32.5			

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

\*Total NSW includes homebirths assisted by independent midwives.

### Outcome of selected primipara, Indicator 1.3

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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 56 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

**Table 56. 1.3 Selected primipara who undergo an instrumental vaginal birth by hospital, NSW, 2007#**

Health area–hospital	%	Health area–hospital	%	
<b>Sydney South West</b>	Canterbury	22.1	Kempsey	6.1
	Royal Prince Alfred	22.7	Lismore Base	12.4
	Fairfield	11.9	Murwillumbah	11.7
	Liverpool	19.8	Tweed Heads	15.8
	Campbelltown	9.7	Port Macquarie Base	17.3
	Bankstown–Lidcombe	21.4	Other hospitals	13.0
	Bowral	30.5	Total	14.7
	Total	19.6	<b>Greater Southern</b>	
<b>South-Eastern Sydney and Illawarra</b>	St. George	23.6	Goulburn Base	18.7
	Sutherland	16.4	Moruya	21.5
	Royal Hospital for Women	26.0	Queanbeyan	18.7
	Shoalhaven	15.7	Griffith Base	23.6
	Wollongong	20.3	Wagga Wagga Base	20.0
	Other hospitals	22.6	Other hospitals	19.4
	Total	22.8	Total	20.2
	<b>Sydney West</b>		<b>Greater Western</b>	
Auburn	13.7	Dubbo Base	17.6	
Blacktown	20.0	Mudgee	26.7	
Blue Mountains	22.8	Bathurst Base	7.5	
Nepean	22.1	Cowra	16.3	
Westmead	22.0	Orange Base	21.2	
Hawkesbury	15.2	Broken Hill Base	12.3	
Lithgow	10.9	Other hospitals	17.3	
Total	20.1	Total	17.1	
<b>Northern Sydney and Central Coast</b>	Gosford	21.0	<b>Private hospitals</b>	
	Wyong	10.3	Mater, North Sydney	35.9
	Hornsby	24.0	North Shore Private	28.1
	Manly	18.8	Sydney Adventist	22.1
	Mona Vale	35.0	North Gosford Private	22.4
	Royal North Shore	19.5	Hurstville Community	29.1
	Other hospitals	0.0	Kareena Private	33.6
	Total	21.5	St. George Private	29.6
	<b>Hunter and New England</b>		Prince of Wales Private	24.6
	Armidale	11.8	The Hills Private	35.6
Inverell	19.6	Sydney Southwest Private	22.1	
Moree	16.3	Nepean Private	26.5	
Tamworth Base	31.3	Westmead Private	28.7	
Manning Base	21.6	Figtree Private	31.1	
Maitland	19.4	Newcastle Private	24.5	
Muswellbrook	17.5	Calvary, Wagga Wagga	33.3	
John Hunter	22.2	Other hospitals	34.8	
Other hospitals	18.2	Total	28.2	
Total	21.4	<b>TOTAL NSW*</b>	<b>TOTAL NSW*</b>	
<b>North Coast</b>			22.3	
Coffs Harbour	16.3			
Grafton Base	17.5			

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

#Hospitals with more than 200 births are identified individually.

\*Total NSW includes homebirths assisted by independent midwives.

### Outcome of selected primipara, Indicator 1.4

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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 57 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

Table 57. 1.4 Selected primipara undergoing caesarean section by hospital, NSW, 2007<sup>#</sup>

Health area–hospital	%	Health area–hospital	%		
Sydney South West	Canterbury	19.9	Kempsey	20.4	
	Royal Prince Alfred	23.3		Lismore Base	27.0
	Fairfield	14.7		Murwillumbah	26.6
	Liverpool	17.6		Tweed Heads	19.0
	Campbelltown	22.8		Port Macquarie Base	20.3
	Bankstown–Lidcombe	16.5		Other hospitals	0.0
	Bowral	20.1		Total	21.8
	Total	20.1		Greater Southern	Goulburn Base
South-Eastern Sydney and Illawarra	St. George	18.8	Moruya		20.3
	Sutherland	17.4	Queanbeyan		13.3
	Royal Hospital for Women	24.5	Griffith Base		12.2
	Shoalhaven	27.1	Wagga Wagga Base		25.7
	Wollongong	23.8	Other hospitals		25.2
	Other hospitals	19.4	Total		22.3
	Total	22.2	Greater Western		Dubbo Base
	Sydney West	Auburn		17.1	Mudgee
Blacktown		25.2		Bathurst Base	27.6
Blue Mountains		21.5		Cowra	16.3
Nepean		28.9		Orange Base	27.7
Westmead		20.8		Broken Hill Base	33.8
Hawkesbury		34.8		Other hospitals	32.1
Lithgow		26.1		Total	26.4
Total		24.2	Private hospitals	Mater, North Sydney	34.2
Northern Sydney and Central Coast	Gosford	35.3		North Shore Private	37.8
	Wyong	5.9		Sydney Adventist	33.9
	Hornsby	23.8		North Gosford Private	43.1
	Manly	17.8		Hurstville Community	35.1
	Mona Vale	20.7		Kareena Private	44.5
	Royal North Shore	26.0		St. George Private	34.8
	Other hospitals	0.0		Prince of Wales Private	35.5
	Total	25.7	The Hills Private	22.5	
Hunter and New England	Armidale	16.7	Sydney Southwest Private	22.4	
	Inverell	37.3	Nepean Private	29.4	
	Moree	16.3	Westmead Private	27.6	
	Tamworth Base	22.3	Figtree Private	26.8	
	Manning Base	18.0	Newcastle Private	33.8	
	Maitland	22.5	Calvary, Wagga Wagga	29.9	
	Muswellbrook	17.5	Other hospitals	31.9	
	John Hunter	17.4	Total	32.7	
	Other hospitals	11.0	TOTAL NSW*	TOTAL NSW*	24.9
	Total	18.7			
North Coast	Coffs Harbour	23.5			
	Grafton Base	25.0			

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

\*Total NSW includes homebirths 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 58 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

**Table 58. 2.1 Vaginal delivery after previous primary caesarean section by hospital, NSW, 2007#**

Health area-hospital	%	Health area-hospital	%		
<b>Sydney South West</b>	Canterbury	16.9	<b>Greater Southern</b>	Kempsey	30.4
	Royal Prince Alfred	13.5		Lismore Base	20.1
	Fairfield	5.4		Murwillumbah	23.3
	Liverpool	20.5		Tweed Heads	19.1
	Campbelltown	15.6		Port Macquarie Base	21.3
	Bankstown-Lidcombe	11.0		Other hospitals	100.0
	Bowral	20.7		Total	18.7
<b>South-Eastern Sydney and Illawarra</b>	Total	14.9	Goulburn Base	26.5	
	St. George	23.0	Moruya	12.5	
	Sutherland	6.7	Queanbeyan	5.3	
	Royal Hospital for Women	8.3	Griffith Base	12.8	
	Shoalhaven	6.3	Wagga Wagga Base	8.7	
	Wollongong	25.3	Other hospitals	8.1	
	Other hospitals	9.1	Total	11.2	
<b>Sydney West</b>	Total	14.6	<b>Greater Western</b>	Dubbo Base	25.3
	Auburn	4.0		Mudgee	0.0
	Blacktown	18.4		Bathurst Base	24.4
	Blue Mountains	0.0		Cowra	20.0
	Nepean	14.8		Orange Base	8.9
	Westmead	20.8		Broken Hill Base	6.5
	Hawkesbury	14.1		Other hospitals	15.8
<b>Northern Sydney and Central Coast</b>	Lithgow	15.6	Total	16.5	
	Total	16.9	<b>Private hospitals</b>	Mater, North Sydney	3.6
	Gosford	5.7		North Shore Private	3.8
	Wyong	100.0		Sydney Adventist	6.4
	Hornsby	9.4		North Gosford Private	6.8
	Manly	17.3		Hurstville Community	2.9
	Mona Vale	4.2		Kareena Private	1.9
Royal North Shore	11.2	St. George Private		6.4	
<b>Hunter and New England</b>	Total	8.9	Prince of Wales Private	4.8	
	Armidale	16.3	The Hills Private	11.7	
	Inverell	13.5	Sydney Southwest Private	5.1	
	Moree	14.3	Nepean Private	10.4	
	Tamworth Base	13.1	Westmead Private	8.3	
	Manning Base	29.5	Figtree Private	6.4	
	Maitland	16.4	Newcastle Private	9.3	
<b>North Coast</b>	Muswellbrook	30.0	Calvary, Wagga Wagga	14.3	
	John Hunter	21.7	Other hospitals	2.0	
	Other hospitals	17.1	Total	6.2	
	Total	19.6	TOTAL NSW*	12.3	
	Coffs Harbour	10.0			
	Grafton Base	12.2			

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

#Hospitals with more than 200 births are identified individually.

\*Total NSW includes homebirths 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 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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 59 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

Table 59. 3.1 Selected primipara delivering vaginally with an intact perineum by hospital, NSW, 2007<sup>#</sup>

Health area–hospital	%	Health area–hospital	%		
Sydney South West	Canterbury	5.0	Greater Southern	Kempsey	25.6
	Royal Prince Alfred	4.7		Lismore Base	11.7
	Fairfield	10.0		Murwillumbah	21.7
	Liverpool	7.5		Tweed Heads	20.8
	Campbelltown	8.1		Port Macquarie Base	20.4
	Bankstown–Lidcombe	5.5		Other hospitals	18.8
	Bowral	15.9		Total	18.3
Total	6.7	Goulburn Base		13.2	
South-Eastern Sydney and Illawarra	St. George	11.6		Moruya	22.2
	Sutherland	16.1		Queanbeyan	15.4
	Royal Hospital for Women	9.1	Griffith Base	13.9	
	Shoalhaven	9.9	Wagga Wagga Base	18.5	
	Wollongong	6.7	Other hospitals	24.7	
	Other hospitals	28.0	Total	19.6	
Total	10.4	Greater Western	Dubbo Base	13.4	
Sydney West	Auburn		13.6	Mudgee	6.0
	Blacktown		6.6	Bathurst Base	19.6
	Blue Mountains		4.8	Cowra	22.2
	Nepean		8.0	Orange Base	18.7
	Westmead		5.2	Broken Hill Base	23.3
	Hawkesbury		13.3	Other hospitals	16.4
	Lithgow	23.5	Total	16.5	
Total	7.7	Private hospitals	Mater, North Sydney	7.3	
Northern Sydney and Central Coast	Gosford		8.4	North Shore Private	10.3
	Wyong		7.8	Sydney Adventist	7.1
	Hornsby		8.2	North Gosford Private	16.6
	Manly		8.1	Hurstville Community	4.1
	Mona Vale		14.0	Kareena Private	4.9
	Royal North Shore		9.2	St. George Private	12.9
	Other hospitals		8.0	Prince of Wales Private	12.5
Total	9.1		The Hills Private	9.8	
Hunter and New England	Armidale		20.0	Sydney Southwest Private	12.0
	Inverell	15.6	Nepean Private	5.4	
	Moree	19.5	Westmead Private	7.1	
	Tamworth Base	13.8	Figtree Private	5.9	
	Manning Base	19.3	Newcastle Private	11.8	
	Maitland	9.0	Calvary, Wagga Wagga	10.9	
	Muswellbrook	18.2	Other hospitals	8.7	
	John Hunter	6.9	Total	9.4	
	Other hospitals	15.1	TOTAL NSW*	TOTAL NSW*	10.0
	Total	11.1			
North Coast	Coffs Harbour	18.9			
	Grafton Base	16.7			

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

\*Total NSW includes homebirths assisted by independent midwives.

## Major perineal tears and surgical repair of the perineum, Indicator 3.2

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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 60 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

Table 60. 3.2 Selected primipara undergoing episiotomy and no perineal tear by hospital, NSW, 2007<sup>#</sup>

Health area–hospital	%	Health area–hospital	%		
Sydney South West	Canterbury	17.3	Kempsey	7.7	
	Royal Prince Alfred	16.6	Lismore Base	17.5	
	Fairfield	32.6	Murwillumbah	8.7	
	Liverpool	33.5	Tweed Heads	18.5	
	Campbelltown	16.9	Port Macquarie Base	17.2	
	Bankstown–Lidcombe	29.2	Other hospitals	10.1	
	Bowral	13.0	Total	15.6	
	Total	22.7	<b>Greater Southern</b>		
South-Eastern Sydney and Illawarra	St. George	14.1	Goulburn Base	50.9	
	Sutherland	9.3	Moruya	15.9	
	Royal Hospital for Women	26.3	Queanbeyan	10.8	
	Shoalhaven	18.2	Griffith Base	23.1	
	Wollongong	18.5	Wagga Wagga Base	18.5	
	Other hospitals	8.0	Other hospitals	16.9	
	Total	19.2	Total	20.2	
Sydney West	Auburn	19.2	<b>Greater Western</b>		
	Blacktown	32.8	Dubbo Base	32.2	
	Blue Mountains	8.1	Mudgee	30.0	
	Nepean	25.0	Bathurst Base	8.2	
	Westmead	34.3	Cowra	16.7	
	Hawkesbury	14.7	Orange Base	14.5	
	Lithgow	32.4	Broken Hill Base	16.3	
	Total	28.5	Other hospitals	18.2	
	Northern Sydney and Central Coast	Gosford	11.4	Total	20.8
		Wyong	7.8	<b>Private hospitals</b>	
Hornsby		22.3	Mater, North Sydney	40.5	
Manly		11.2	North Shore Private	42.9	
Mona Vale		10.5	Sydney Adventist	37.3	
Royal North Shore		13.4	North Gosford Private	31.7	
Other hospitals		0.0	Hurstville Community	43.9	
Total		13.5	Kareena Private	45.7	
Hunter and New England	Armidale	20.0	St. George Private	24.7	
	Inverell	53.1	Prince of Wales Private	34.7	
	Moree	9.8	The Hills Private	39.2	
	Tamworth Base	31.0	Sydney Southwest Private	43.1	
	Manning Base	10.5	Nepean Private	52.4	
	Maitland	14.4	Westmead Private	51.2	
	Muswellbrook	3.0	Figtree Private	48.9	
	John Hunter	11.1	Newcastle Private	32.2	
	Other hospitals	20.4	Calvary, Wagga Wagga	27.7	
	Total	15.8	Other hospitals	30.4	
North Coast	Coffs Harbour	11.2	Total	39.7	
	Grafton Base	18.9	TOTAL NSW*	24.9	

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

\*Total NSW includes homebirths assisted by independent midwives.

### Major perineal tears and surgical repair of the perineum, Indicator 3.3

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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 61 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

**Table 61. 3.3 Selected primipara sustaining a perineal tear and no episiotomy by hospital, NSW, 2007<sup>#</sup>**

Health area–hospital		%	Health area–hospital		%
Sydney South West	Canterbury	65.7	Greater Southern	Kempsey	66.7
	Royal Prince Alfred	70.6		Lismore Base	64.6
	Fairfield	52.3		Murwillumbah	59.4
	Liverpool	51.1		Tweed Heads	54.5
	Campbelltown	68.2		Port Macquarie Base	54.8
	Bankstown–Lidcombe	57.2		Other hospitals	65.2
	Bowral	67.4		Total	57.8
South-Eastern Sydney and Illawarra	Total	62.8	Goulburn Base	28.3	
	St. George	64.4	Moruya	58.7	
	Sutherland	70.5	Queanbeyan	69.2	
	Royal Hospital for Women	57.4	Griffith Base	58.3	
	Shoalhaven	66.1	Wagga Wagga Base	52.3	
	Wollongong	70.6	Other hospitals	52.7	
	Other hospitals	44.0	Total	53.8	
Sydney West	Total	63.3	Greater Western	Dubbo Base	45.0
	Auburn	55.5		Mudgee	56.0
	Blacktown	49.2		Bathurst Base	62.9
	Blue Mountains	82.3		Cowra	52.8
	Nepean	54.9		Orange Base	50.6
	Westmead	47.8		Broken Hill Base	58.1
	Hawkesbury	63.3		Other hospitals	54.5
Northern Sydney and Central Coast	Lithgow	41.2	Total	52.1	
	Total	52.1	Private hospitals	Mater, North Sydney	37.4
	Gosford	65.8		North Shore Private	41.8
	Wyong	79.7		Sydney Adventist	47.7
	Hornsby	59.3		North Gosford Private	41.4
	Manly	72.9		Hurstville Community	39.8
	Mona Vale	68.6		Kareena Private	45.7
Royal North Shore	65.0	St. George Private		56.7	
Hunter and New England	Other hospitals	92.0	Prince of Wales Private	47.9	
	Total	66.6	The Hills Private	41.2	
	Armidale	45.9	Sydney Southwest Private	38.2	
	Inverell	25.0	Nepean Private	36.3	
	Moree	48.8	Westmead Private	39.9	
	Tamworth Base	47.1	Figtree Private	41.6	
	Manning Base	59.6	Newcastle Private	55.4	
North Coast	Maitland	72.6	Calvary, Wagga Wagga	47.5	
	Muswellbrook	75.8	Other hospitals	52.2	
	John Hunter	69.4	Total	44.3	
	Other hospitals	58.6	TOTAL NSW*	56.6	
	Total	63.4			
	Coffs Harbour	53.8			
	Grafton Base	53.3			

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

\*Total NSW includes homebirths assisted by independent midwives.

## Major perineal tears and surgical repair of the perineum, Indicator 3.4

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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 62 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

**Table 62. 3.4 Selected primipara undergoing episiotomy and sustaining a perineal tear by hospital, NSW, 2007#**

Health area–hospital	%	Health area–hospital	%		
Sydney South West	Canterbury	7.77	Kempsey	0.00	
	Royal Prince Alfred	5.42	Lismore Base	5.00	
	Fairfield	3.73	Murwillumbah	1.45	
	Liverpool	4.07	Tweed Heads	1.98	
	Campbelltown	2.32	Port Macquarie Base	2.55	
	Bankstown–Lidcombe	4.82	Other hospitals	2.90	
	Bowral	0.00	Total	3.43	
	Total	4.63	<b>Greater Southern</b>		
South-Eastern Sydney and Illawarra	St. George	8.24	Goulburn Base	1.89	
	Sutherland	2.80	Moruya	3.17	
	Royal Hospital for Women	6.12	Queanbeyan	3.08	
	Shoalhaven	3.31	Griffith Base	0.93	
	Wollongong	2.92	Wagga Wagga Base	4.62	
	Other hospitals	12.00	Other hospitals	3.29	
	Total	5.65	Total	3.02	
Sydney West	Auburn	10.62	<b>Greater Western</b>		
	Blacktown	10.82	Dubbo Base	6.93	
	Blue Mountains	3.23	Mudgee	2.00	
	Nepean	10.19	Bathurst Base	4.12	
	Westmead	11.10	Cowra	5.56	
	Hawkesbury	8.00	Orange Base	7.23	
	Lithgow	2.94	Broken Hill Base	2.33	
	Total	10.35	Other hospitals	7.27	
	Northern Sydney and Central Coast	Gosford	11.66	Total	5.86
		Wyong	4.69	<b>Private hospitals</b>	
Hornsby		7.54	Mater, North Sydney	11.01	
Manly		5.81	North Shore Private	1.88	
Mona Vale		5.81	Sydney Adventist	7.84	
Royal North Shore		11.32	North Gosford Private	9.66	
Other hospitals		0.00	Hurstville Community	9.94	
Total		9.05	Kareena Private	1.23	
Hunter and New England		Armidale	5.88	St. George Private	3.87
		Inverell	6.25	Prince of Wales Private	2.20
	Moree	19.51	The Hills Private	4.05	
	Tamworth Base	6.32	Sydney Southwest Private	2.62	
	Manning Base	3.51	Nepean Private	1.79	
	Maitland	3.34	Westmead Private	0.73	
	Muswellbrook	3.03	Figtree Private	0.90	
	John Hunter	11.08	Newcastle Private	0.00	
	Other hospitals	3.23	Calvary, Wagga Wagga	7.92	
	Total	7.51	Other hospitals	8.70	
North Coast	Coffs Harbour	5.92	Total	4.13	
	Grafton Base	4.44	<b>TOTAL NSW*</b>	<b>6.02</b>	

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

#Hospitals with more than 200 births are identified individually.

\*Total NSW includes homebirths assisted by independent midwives.



### Major perineal tears and surgical repair of the perineum, Indicator 3.5

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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 63 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

**Table 63. 3.5 Selected primipara undergoing surgical repair of the perineum for third-degree tear by hospital, NSW, 2007<sup>#</sup>**

Health area–hospital	%	Health area–hospital	%		
Sydney South West	Canterbury	9.02	Greater Southern	Kempsey	2.56
	Royal Prince Alfred	7.84		Lismore Base	2.92
	Fairfield	5.60		Murwillumbah	1.45
	Liverpool	3.74		Tweed Heads	4.29
	Campbelltown	3.94		Port Macquarie Base	5.10
	Bankstown–Lidcombe	2.19		Other hospitals	1.45
	Bowral	2.90		Total	3.70
	Total	5.76		Goulburn Base	7.55
South-Eastern Sydney and Illawarra	St. George	6.56	Moruya	4.76	
	Sutherland	3.11	Queanbeyan	1.54	
	Royal Hospital for Women	3.71	Griffith Base	3.70	
	Shoalhaven	3.31	Wagga Wagga Base	6.15	
	Wollongong	3.13	Other hospitals	4.53	
	Other hospitals	16.00	Total	4.68	
	Total	4.38	Greater Western	Dubbo Base	8.42
	Sydney West	Auburn		4.13	Mudgee
Blacktown		5.76		Bathurst Base	0.00
Blue Mountains		6.45		Cowra	5.56
Nepean		4.78		Orange Base	7.23
Westmead		4.59		Broken Hill Base	2.33
Hawkesbury		4.00		Other hospitals	7.27
Lithgow		2.94		Total	5.70
Total		4.80	Private hospitals	Mater, North Sydney	3.30
Northern Sydney and Central Coast	Gosford	7.94		North Shore Private	1.46
	Wyong	1.56		Sydney Adventist	1.90
	Hornsby	6.56		North Gosford Private	2.76
	Manly	1.94		Hurstville Community	1.17
	Mona Vale	4.65		Kareena Private	1.23
	Royal North Shore	8.19		St. George Private	2.84
	Other hospitals	0.00		Prince of Wales Private	1.47
	Total	6.27	The Hills Private	4.05	
Hunter and New England	Armidale	0.00	Sydney Southwest Private	3.75	
	Inverell	0.00	Nepean Private	1.79	
	Moree	2.44	Westmead Private	0.91	
	Tamworth Base	5.17	Figtree Private	0.45	
	Manning Base	5.26	Newcastle Private	2.20	
	Maitland	4.35	Calvary, Wagga Wagga	5.94	
	Muswellbrook	3.03	Other hospitals	0.00	
	John Hunter	7.85	Total	2.17	
	Other hospitals	3.23	TOTAL NSW*	TOTAL NSW*	4.48
	Total	5.49			
	North Coast	Coffs Harbour	4.73		
Grafton Base		3.33			

Source: NSW Midwives Data Collection (HOIST), Centre for Epidemiology and Research, NSW Department of Health.

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

\*Total NSW includes homebirths assisted by independent midwives.

## Major perineal tears and surgical repair of the perineum, Indicator 3.6

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<sup>0</sup> to 41<sup>0</sup> weeks gestation.

Table 64 shows aggregate information for hospitals where at least 200 mothers gave birth in 2007, totals for hospitals within each health area, and the NSW total.

**Table 64. 3.6 Selected primipara undergoing surgical repair of the perineum for fourth-degree tear by hospital, NSW, 2007#**

Health area–hospital	%	Health area–hospital	%		
<b>Sydney South West</b>	Canterbury	0.75	<b>Greater Southern</b>	Kempsey	0.00
	Royal Prince Alfred	0.22		Lismore Base	0.00
	Fairfield	0.21		Murwillumbah	0.00
	Liverpool	0.33		Tweed Heads	0.33
	Campbelltown	0.70		Port Macquarie Base	0.00
	Bankstown–Lidcombe	0.22		Other hospitals	0.00
	Bowral	0.00		Total	0.26
<b>South-Eastern Sydney and Illawarra</b>	Total	0.33	Goulburn Base	0.00	
	St. George	0.84	Moruya	0.00	
	Sutherland	0.31	Queanbeyan	0.00	
	Royal Hospital for Women	0.28	Griffith Base	0.93	
	Shoalhaven	0.83	Wagga Wagga Base	0.00	
	Wollongong	0.42	Other hospitals	0.41	
	Other hospitals	4.00	Total	0.30	
<b>Sydney West</b>	Total	0.51	<b>Greater Western</b>	Dubbo Base	0.00
	Auburn	0.29		Mudgee	0.00
	Blacktown	0.35		Bathurst Base	1.03
	Blue Mountains	0.00		Cowra	0.00
	Nepean	0.64		Orange Base	0.60
	Westmead	0.29		Broken Hill Base	0.00
	Hawkesbury	0.00		Other hospitals	0.00
<b>Northern Sydney and Central Coast</b>	Lithgow	0.00	Total	0.31	
	Total	0.35	<b>Private hospitals</b>	Mater, North Sydney	0.66
	Gosford	0.50		North Shore Private	0.21
	Wyong	1.56		Sydney Adventist	0.24
	Hornsby	0.33		North Gosford Private	0.00
	Manly	0.00		Hurstville Community	0.58
	Mona Vale	0.58		Kareena Private	0.00
Royal North Shore	0.87	St. George Private		1.29	
<b>Hunter and New England</b>	Other hospitals	0.00	Prince of Wales Private	0.24	
	Total	0.56	The Hills Private	0.00	
	Armidale	0.00	Sydney Southwest Private	0.00	
	Inverell	0.00	Nepean Private	0.00	
	Moree	0.00	Westmead Private	0.37	
	Tamworth Base	0.00	Figtree Private	0.00	
	Manning Base	0.00	Newcastle Private	0.00	
<b>North Coast</b>	Maitland	0.67	Calvary, Wagga Wagga	0.00	
	Muswellbrook	0.00	Other hospitals	2.17	
	John Hunter	0.70	Total	0.33	
	Other hospitals	0.00	TOTAL NSW*	TOTAL NSW*	
	Total	0.42		0.38	
	Coffs Harbour	0.00			
	Grafton Base	2.22			

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

#Hospitals with more than 200 births are identified individually.

\*Total NSW includes homebirths assisted by independent midwives.

### Intrauterine growth restriction, Indicator 8.1

Definition: total number of deliveries with birth weight less than 2750 g at 40<sup>0</sup> weeks gestation or beyond as a percentage of the total number of deliveries at 40<sup>0</sup> weeks gestation or beyond.

Table 65 shows aggregate information for hospitals where at least 200 babies were born in 2007, totals for hospitals within each health area, and the NSW total.

**Table 65. 8.1 Intrauterine growth restriction at 40 weeks gestation or more by hospital, NSW, 2007<sup>#</sup>**

Health area–hospital	%	Health area–hospital	%			
<b>Sydney South West</b>	Canterbury	2.59	<b>Greater Southern</b>	Kempsey	3.76	
	Royal Prince Alfred	1.13		Lismore Base	1.73	
	Fairfield	2.01		Murwillumbah	1.79	
	Liverpool	2.87		Tweed Heads	0.77	
	Campbelltown	2.16		Port Macquarie Base	2.10	
	Bankstown–Lidcombe	1.69		Other hospitals	3.29	
	Bowral	2.26		Total	1.77	
	Total	1.93		Goulburn Base	4.19	
<b>South-Eastern Sydney and Illawarra</b>	St. George	2.10	Moruya	1.63		
	Sutherland	1.80	Queanbeyan	2.58		
	Royal Hospital for Women	1.49	Griffith Base	3.33		
	Shoalhaven	2.28	Wagga Wagga Base	3.10		
	Wollongong	1.63	Other hospitals	1.98		
	Other hospitals	3.57	Total	2.59		
<b>Sydney West</b>	Total	1.78	<b>Greater Western</b>	Dubbo Base	3.03	
	Auburn	1.98		Mudgee	1.95	
	Blacktown	1.97		Bathurst Base	3.34	
	Blue Mountains	0.62		Cowra	0.00	
	Nepean	1.53		Orange Base	2.40	
	Westmead	2.16		Broken Hill Base	2.21	
	Hawkesbury	1.39		Other hospitals	2.49	
	Lithgow	3.30		Total	2.57	
	Total	1.86		<b>Private hospitals</b>	Mater, North Sydney	1.59
	<b>Northern Sydney and Central Coast</b>	Gosford			1.51	North Shore Private
Wyong		0.66	Sydney Adventist		0.68	
Hornsby		1.81	North Gosford Private		2.45	
Manly		1.00	Hurstville Community		1.52	
Mona Vale		2.02	Kareena Private		0.70	
Royal North Shore		1.70	St. George Private		2.03	
Other hospitals		2.22	Prince of Wales Private		2.28	
Total		1.56	The Hills Private		1.21	
<b>Hunter and New England</b>		Armidale	5.22		Sydney Southwest Private	0.95
		Inverell	5.68	Nepean Private	0.64	
	Moree	5.08	Westmead Private	2.46		
	Tamworth Base	2.26	Figtree Private	1.18		
	Manning Base	1.31	Newcastle Private	0.81		
	Maitland	0.68	Calvary, Wagga Wagga	0.76		
	Muswellbrook	2.56	Other hospitals	1.55		
	John Hunter	2.65	Total	1.45		
	Other hospitals	2.54	<b>TOTAL NSW*</b>	<b>TOTAL NSW*</b>	1.87	
	Total	2.42				
<b>North Coast</b>	Coffs Harbour	1.89				
	Grafton Base	1.08				

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

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

\*Total NSW includes homebirths 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 min post delivery as a percentage of the total number of term babies born.

Table 66 shows aggregate information for hospitals where at least 200 babies were born in 2007, totals for hospitals within each health area, and the NSW total.

Table 66. 9.1 Apgar score of 7 or less in term babies by hospital#, NSW, 2007#

Health area-hospital		%	Health area-hospital		%	
Sydney South West	Canterbury	0.78	Greater Southern	Kempsey	2.80	
	Royal Prince Alfred	1.09		Lismore Base	1.85	
	Fairfield	1.24		Murwillumbah	0.82	
	Liverpool	1.10		Tweed Heads	0.43	
	Campbelltown	1.07		Port Macquarie Base	2.46	
	Bankstown-Lidcombe	0.84		Other hospitals	0.97	
	Bowral	0.75		Total	1.36	
	Total	1.03		Goulburn Base	1.07	
South-Eastern Sydney and Illawarra	St. George	1.31	Moruya	1.78		
	Sutherland	0.54	Queanbeyan	1.06		
	Royal Hospital for Women	1.27	Griffith Base	1.39		
	Shoalhaven	0.78	Wagga Wagga Base	1.65		
	Wollongong	0.61	Other hospitals	0.63		
	Other hospitals	4.69	Total	1.14		
Sydney West	Total	1.07	Greater Western	Dubbo Base	1.81	
	Auburn	0.51		Mudgee	2.03	
	Blacktown	1.10		Bathurst Base	1.16	
	Blue Mountains	0.35		Cowra	1.02	
	Nepean	0.53		Orange Base	0.95	
	Westmead	0.97		Broken Hill Base	1.20	
	Hawkesbury	0.99		Other hospitals	1.55	
	Lithgow	1.38		Total	1.41	
	Total	0.83		Private hospitals	Mater, North Sydney	0.51
	Gosford	1.28			North Shore Private	0.51
Wyong	0.00	Sydney Adventist	0.82			
Hornsby	0.51	North Gosford Private	0.60			
Manly	1.25	Hurstville Community	0.73			
Mona Vale	2.76	Kareena Private	0.19			
Royal North Shore	0.78	St. George Private	0.69			
Other hospitals	0.00	Prince of Wales Private	0.95			
Total	1.11	The Hills Private	0.32			
Hunter and New England	Armidale	1.41	Sydney Southwest Private		0.86	
	Inverell	0.41	Nepean Private	0.51		
	Moree	1.87	Westmead Private	0.81		
	Tamworth Base	0.85	Figtree Private	0.11		
	Manning Base	1.34	Newcastle Private	0.46		
	Maitland	1.83	Calvary, Wagga Wagga	1.48		
	Muswellbrook	0.48	Other hospitals	0.70		
	John Hunter	1.77	Total	0.64		
	Other hospitals	1.32	TOTAL NSW*	1.00		
	Total	1.51				
North Coast	Coffs Harbour	0.94				
	Grafton Base	1.25				

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.

#Hospitals with more than 200 births are identified individually.

\*Total NSW includes homebirths assisted by independent midwives.