

6. NSW Hospitals

Onset and augmentation of labour

Table 33 shows onset or augmentation of labour for Local Health Districts, and Table 34 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

Table 33. Onset and augmentation of labour by Local Health District of hospital, NSW 2009

Local Health District	Onset and augmentation of labour																	
	Spontaneous		Spontaneous augmented with ARM		Spontaneous augmented with oxytocics/prostaglandin#		No labour		Induced oxytocics/prostaglandins		Induced – ARM only		Induced – ARM + oxytocics/prostaglandins		Induced – other###		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	3042	45.3	131	2.0	1079	16.1	1075	16.0	570	8.5	84	1.3	730	10.9	4	0.1	6715	100.0
South Western Sydney	4620	44.6	1003	9.7	1003	9.7	1471	14.2	885	8.5	110	1.1	1230	11.9	35	0.3	10357	100.0
South Eastern Sydney	3427	43.5	546	6.9	715	9.1	1175	14.9	812	10.3	129	1.6	1055	13.4	14	0.2	7873	100.0
Illawarra Shoalhaven	1414	42.9	243	7.4	202	6.1	424	12.9	298	9.0	84	2.6	622	18.9	6	0.2	3293	100.0
Western Sydney	3811	41.8	632	6.9	774	8.5	1271	13.9	980	10.7	101	1.1	1550	17.0	5	0.1	9124	100.0
Nepean Blue Mountains	2219	45.6	299	6.1	242	5.0	781	16.0	447	9.2	85	1.7	790	16.2	8	0.2	4871	100.0
Northern Sydney	1997	41.6	306	6.4	499	10.4	754	15.7	506	10.5	85	1.8	651	13.6	1	0.0	4799	100.0
Central Coast	1191	42.5	145	5.2	253	9.0	492	17.6	289	10.3	39	1.4	390	13.9	3	0.1	2802	100.0
Hunter New England	4242	48.4	377	4.3	559	6.4	1094	12.5	940	10.7	217	2.5	1284	14.7	44	0.5	8757	100.0
Northern NSW	1795	48.4	342	9.2	313	8.4	492	13.3	357	9.6	61	1.6	342	9.2	10	0.3	3712	100.0
Mid North Coast	978	44.1	286	12.9	190	8.6	310	14.0	190	8.6	45	2.0	217	9.8	3	0.1	2219	100.0
Southern NSW	719	51.0	154	10.9	112	7.9	177	12.5	126	8.9	26	1.8	97	6.9	0	0.0	1411	100.0
Murrumbidgee	937	47.4	183	9.3	95	4.8	306	15.5	222	11.2	64	3.2	167	8.4	3	0.2	1977	100.0
Western NSW	1490	43.6	403	11.8	213	6.2	511	15.0	251	7.3	107	3.1	437	12.8	4	0.1	3416	100.0
Far West	119	50.0	21	8.8	17	7.1	36	15.1	35	14.7	2	0.8	8	3.4	0	0.0	238	100.0
Private Hospitals	6533	28.0	1767	7.6	2116	9.1	6280	26.9	1772	7.6	471	2.0	4334	18.6	41	0.2	23314	100.0
TOTAL*	38697	40.7	6840	7.2	8382	8.8	16649	17.5	8680	9.1	1710	1.8	13904	14.6	181	0.2	95043	100.0

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

May include artificial rupture of membranes.

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

* Total includes births at home assisted by independent midwives.

Table 34. Onset and augmentation of labour by hospital and maternity service level, NSW 2009#

Maternity service level– hospital	Onset and augmentation of labour																	
	Spontaneous		Spontaneous augmented with ARM		Spontaneous augmented with oxytocics/prostaglandins##		No labour		Induced oxytocics/prostaglandins		Induced – ARM only		Induced – ARM + oxytocics/prostaglandins		Induced – other###		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6																		
Royal Prince Alfred	2249	44.8	0	0.0	841	16.7	845	16.8	447	8.9	73	1.5	566	11.3	1	0.0	5022	100.0
Royal North Shore	748	36.2	133	6.4	247	12.0	376	18.2	211	10.2	32	1.5	319	15.4	0	0.0	2066	100.0
Royal Hospital for Women	1757	43.0	301	7.4	293	7.2	712	17.4	408	10.0	83	2.0	522	12.8	11	0.3	4087	100.0
Liverpool	1328	43.6	312	10.2	308	10.1	472	15.5	261	8.6	27	0.9	330	10.8	10	0.3	3048	100.0
Nepean	1648	46.1	218	6.1	182	5.1	573	16.0	304	8.5	47	1.3	596	16.7	8	0.2	3576	100.0
Westmead	1695	37.0	367	8.0	431	9.4	734	16.0	533	11.6	58	1.3	768	16.7	1	0.0	4587	100.0
John Hunter	1751	47.2	163	4.4	296	8.0	413	11.1	343	9.2	88	2.4	627	16.9	30	0.8	3711	100.0
TOTAL	11176	42.8	1494	5.7	2598	10.0	4125	15.8	2507	9.6	408	1.6	3728	14.3	61	0.2	26097	100.0
Level 5																		
Gosford	978	38.1	125	4.9	253	9.9	492	19.2	289	11.3	38	1.5	390	15.2	3	0.1	2568	100.0
St. George	1073	42.9	158	6.3	282	11.3	309	12.3	290	11.6	26	1.0	364	14.5	2	0.1	2504	100.0
Blacktown	1443	45.1	173	5.4	207	6.5	399	12.5	307	9.6	36	1.1	628	19.6	4	0.1	3197	100.0
Lismore Base	670	50.8	95	7.2	79	6.0	202	15.3	135	10.2	26	2.0	108	8.2	4	0.3	1319	100.0
Tweed Heads	637	42.6	150	10.0	177	11.8	172	11.5	124	8.3	31	2.1	200	13.4	4	0.3	1495	100.0
Port Macquarie Base	369	47.1	66	8.4	80	10.2	101	12.9	67	8.6	7	0.9	93	11.9	0	0.0	783	100.0
Wollongong	965	41.4	180	7.7	156	6.7	256	11.0	203	8.7	51	2.2	512	22.0	6	0.3	2329	100.0
Maitland	736	48.2	43	2.8	106	6.9	214	14.0	189	12.4	23	1.5	209	13.7	6	0.4	1526	100.0
Wagga Wagga Base	381	50.4	38	5.0	30	4.0	121	16.0	77	10.2	21	2.8	86	11.4	2	0.3	756	100.0
TOTAL	7252	44.0	1028	6.2	1370	8.3	2266	13.8	1681	10.2	259	1.6	2590	15.7	31	0.2	16477	100.0
Level 4																		
Canterbury	793	46.8	131	7.7	238	14.1	230	13.6	123	7.3	11	0.6	164	9.7	3	0.2	1693	100.0
Hornsby	526	45.4	81	7.0	109	9.4	158	13.6	116	10.0	21	1.8	146	12.6	1	0.1	1158	100.0
Manly	480	42.1	67	5.9	132	11.6	166	14.6	135	11.9	25	2.2	134	11.8	0	0.0	1139	100.0
Mona Vale	138	43.8	10	3.2	11	3.5	54	17.1	44	14.0	6	1.9	52	16.5	0	0.0	315	100.0
Sutherland	597	46.6	87	6.8	140	10.9	154	12.0	114	8.9	20	1.6	169	13.2	1	0.1	1282	100.0
Auburn	673	50.2	92	6.9	136	10.1	138	10.3	140	10.4	7	0.5	154	11.5	0	0.0	1340	100.0
Fairfield	896	47.6	232	12.3	216	11.5	224	11.9	120	6.4	7	0.4	179	9.5	7	0.4	1881	100.0
Campbelltown	1232	45.7	237	8.8	167	6.2	420	15.6	260	9.7	47	1.7	317	11.8	13	0.5	2693	100.0
Bankstown-Lidcombe	931	42.9	167	7.7	243	11.2	274	12.6	205	9.4	22	1.0	324	14.9	5	0.2	2171	100.0
Hawkesbury	386	44.8	45	5.2	28	3.3	132	15.3	98	11.4	31	3.6	141	16.4	0	0.0	861	100.0
Coffs Harbour	414	38.4	171	15.8	94	8.7	180	16.7	78	7.2	32	3.0	107	9.9	3	0.3	1079	100.0
Grafton Base	199	40.4	51	10.4	50	10.2	70	14.2	88	17.9	1	0.2	31	6.3	2	0.4	492	100.0
Tamworth Base	367	44.0	41	4.9	52	6.2	120	14.4	101	12.1	13	1.6	134	16.0	7	0.8	835	100.0
Manning Base	383	50.9	34	4.5	25	3.3	108	14.3	84	11.2	27	3.6	92	12.2	0	0.0	753	100.0
Dubbo Base	454	37.9	185	15.4	90	7.5	163	13.6	68	5.7	51	4.3	188	15.7	0	0.0	1199	100.0
Orange Base	324	36.5	96	10.8	41	4.6	169	19.1	58	6.5	36	4.1	160	18.0	3	0.3	887	100.0
Goulburn Base	127	42.1	34	11.3	60	19.9	44	14.6	20	6.6	0	0.0	17	5.6	0	0.0	302	100.0
Shoalhaven	415	47.5	56	6.4	38	4.4	160	18.3	75	8.6	30	3.4	99	11.3	0	0.0	873	100.0
Griffith Base	206	50.2	38	9.3	26	6.3	58	14.1	38	9.3	22	5.4	22	5.4	0	0.0	410	100.0
TOTAL	9541	44.7	1855	8.7	1896	8.9	3022	14.1	1965	9.2	409	1.9	2630	12.3	45	0.2	21363	100.0
Level 3																		
Blue Mountains	121	49.4	14	5.7	10	4.1	45	18.4	17	6.9	6	2.4	32	13.1	0	0.0	245	100.0
Kempsey	153	50.0	40	13.1	16	5.2	29	9.5	45	14.7	6	2.0	17	5.6	0	0.0	306	100.0
Murwillumbah	119	57.2	18	8.7	7	3.4	48	23.1	10	4.8	3	1.4	3	1.4	0	0.0	208	100.0
Armidale	232	53.0	16	3.7	16	3.7	60	13.7	61	13.9	19	4.3	33	7.5	1	0.2	438	100.0
Inverell	51	20.0	3	1.2	27	10.6	62	24.3	55	21.6	4	1.6	53	20.8	0	0.0	255	100.0
Mudgee	120	52.9	15	6.6	14	6.2	32	14.1	24	10.6	3	1.3	19	8.4	0	0.0	227	100.0
Bathurst Base	307	54.8	53	9.5	35	6.3	77	13.8	55	9.8	7	1.3	25	4.5	1	0.2	560	100.0
Bega	152	54.1	37	13.2	14	5.0	24	8.5	27	9.6	11	3.9	16	5.7	0	0.0	281	100.0
Moruya	154	47.4	32	9.8	13	4.0	57	17.5	38	11.7	12	3.7	19	5.8	0	0.0	325	100.0
Queanbeyan	180	58.3	37	12.0	14	4.5	28	9.1	29	9.4	3	1.0	18	5.8	0	0.0	309	100.0
Bowral	232	41.2	55	9.8	69	12.3	81	14.4	39	6.9	7	1.2	80	14.2	0	0.0	563	100.0

Table 34. (Continued)

Maternity service level– hospital	Onset and augmentation of labour																TOTAL	
	Spontaneous		Spontaneous augmented with ARM		Spontaneous augmented with oxytocics/prostaglandins##		No labour		Induced oxytocics/prostaglandins		Induced – ARM only		Induced – ARM + oxytocics/prostaglandins		Induced – other###			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Broken Hill Base	119	50.0	21	8.8	17	7.1	36	15.1	35	14.7	2	0.8	8	3.4	0	0.0	238	100.0
Other hospitals	1237	48.7	264	10.4	131	5.2	342	13.5	267	10.5	60	2.4	238	9.4	1	0.0	2540	100.0
TOTAL	3177	48.9	605	9.3	383	5.9	921	14.2	702	10.8	143	2.2	561	8.6	3	0.0	6495	100.0
Level 2																		
Wyong	213	91.0	20	8.5	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0	0	0.0	234	100.0
Other hospitals	603	70.6	65	7.6	18	2.1	35	4.1	53	6.2	19	2.2	61	7.1	0	0.0	854	100.0
TOTAL	816	75.0	85	7.8	18	1.7	35	3.2	53	4.9	20	1.8	61	5.6	0	0.0	1088	100.0
Private																		
Mater, North Sydney	728	29.1	198	7.9	185	7.4	826	33.1	211	8.4	83	3.3	265	10.6	3	0.1	2499	100.0
North Shore Private	634	24.1	224	8.5	321	12.2	794	30.2	123	4.7	85	3.2	435	16.6	10	0.4	2626	100.0
Sydney Adventist	1106	49.2	0	0.0	0	0.0	496	22.1	124	5.5	26	1.2	494	22.0	2	0.1	2248	100.0
North Gosford Private	194	23.2	46	5.5	66	7.9	287	34.3	81	9.7	20	2.4	141	16.9	1	0.1	836	100.0
Hurstville Private	239	24.8	82	8.5	137	14.2	244	25.3	93	9.7	11	1.1	156	16.2	1	0.1	963	100.0
Kareena Private	129	18.9	30	4.4	55	8.1	241	35.3	34	5.0	11	1.6	182	26.6	1	0.1	683	100.0
St. George Private	410	22.6	148	8.1	237	13.0	491	27.0	158	8.7	33	1.8	336	18.5	4	0.2	1817	100.0
Prince of Wales Private	554	24.4	282	12.4	198	8.7	708	31.2	201	8.9	49	2.2	275	12.1	1	0.0	2268	100.0
Norwest Private	269	22.0	100	8.2	137	11.2	201	16.4	76	6.2	9	0.7	431	35.2	2	0.2	1225	100.0
Sydney Southwest Private	301	28.5	60	5.7	124	11.7	238	22.5	97	9.2	26	2.5	209	19.8	2	0.2	1057	100.0
Nepean Private	269	28.9	74	7.9	50	5.4	237	25.4	101	10.8	14	1.5	186	20.0	1	0.1	932	100.0
Westmead Private	545	23.0	295	12.5	343	14.5	540	22.8	198	8.4	23	1.0	419	17.7	5	0.2	2368	100.0
Figtree Private	174	17.2	80	7.9	88	8.7	258	25.5	65	6.4	35	3.5	310	30.6	3	0.3	1013	100.0
Newcastle Private	683	36.3	96	5.1	108	5.7	451	24.0	85	4.5	36	1.9	419	22.3	5	0.3	1883	100.0
Calvary, Wagga Wagga	235	37.5	28	4.5	41	6.5	175	27.9	102	16.3	9	1.4	37	5.9	0	0.0	627	100.0
Other hospitals	63	23.4	24	8.9	26	9.7	93	34.6	23	8.6	1	0.4	39	14.5	0	0.0	269	100.0
TOTAL	6533	28.0	1767	7.6	2116	9.1	6280	26.9	1772	7.6	471	2.0	4334	18.6	41	0.2	23314	100.0
TOTAL NSW**	38697	40.7	6840	7.2	8382	8.8	16649	17.5	8680	9.1	1710	1.8	13904	14.6	181	0.2	95043	100.0

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

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

May include artificial rupture of membranes.

This category includes other forms of induction such as Foleys catheter.

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

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

Type of birth

Table 35 shows type of birth for Local Health Districts, and Table 36 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

Table 35. Type of birth by Local Health District of hospital, NSW 2009

Local Health District	Type of birth													
	Normal vaginal		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section#		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	3800	56.6	331	4.9	542	8.1	27	0.4	1075	16.0	940	14.0	6715	100.0
South Western Sydney	7049	68.1	133	1.3	733	7.1	45	0.4	1471	14.2	926	8.9	10357	100.0
South Eastern Sydney	4546	57.7	395	5.0	701	8.9	27	0.3	1175	14.9	1029	13.1	7873	100.0
Illawarra Shoalhaven	2183	66.3	62	1.9	225	6.8	5	0.2	424	12.9	394	12.0	3293	100.0
Western Sydney	5612	61.5	353	3.9	682	7.5	59	0.6	1271	13.9	1147	12.6	9124	100.0
Nepean Blue Mountains	2926	60.1	95	2.0	351	7.2	22	0.5	781	16.0	696	14.3	4871	100.0
Northern Sydney	2714	56.6	272	5.7	319	6.6	15	0.3	754	15.7	725	15.1	4799	100.0
Central Coast	1583	56.5	121	4.3	165	5.9	10	0.4	492	17.6	431	15.4	2802	100.0
Hunter New England	5773	65.9	295	3.4	444	5.1	68	0.8	1094	12.5	1083	12.4	8757	100.0
Northern NSW	2525	68.0	97	2.6	146	3.9	19	0.5	492	13.3	433	11.7	3712	100.0
Mid North Coast	1460	65.8	52	2.3	147	6.6	8	0.4	310	14.0	242	10.9	2219	100.0
Southern NSW	952	67.5	71	5.0	68	4.8	0	0.0	177	12.5	143	10.1	1411	100.0
Murrumbidgee	1279	64.7	37	1.9	118	6.0	6	0.3	306	15.5	231	11.7	1977	100.0
Western NSW	2253	66.0	94	2.8	140	4.1	7	0.2	511	15.0	411	12.0	3416	100.0
Far West	140	58.8	8	3.4	6	2.5	0	0.0	36	15.1	48	20.2	238	100.0
Private Hospitals	10400	44.6	967	4.1	2445	10.5	36	0.2	6280	26.9	3186	13.7	23314	100.0
TOTAL*	55359	58.2	3383	3.6	7232	7.6	355	0.4	16649	17.5	12065	12.7	95043	100.0

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

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

* Total includes births at home assisted by independent midwives.

Table 36. Type of birth by hospital and maternity service level, NSW, 2009#

Maternity service level-hospital	Type of birth													
	Normal vaginal		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section##		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6														
Royal Prince Alfred	2720	54.2	283	5.6	411	8.2	27	0.5	845	16.8	736	14.7	5022	100.0
Royal North Shore	1053	51.0	176	8.5	74	3.6	10	0.5	376	18.2	377	18.2	2066	100.0
Royal Hospital for Women	2141	52.4	308	7.5	310	7.6	18	0.4	712	17.4	598	14.6	4087	100.0
Liverpool	2028	66.5	57	1.9	167	5.5	22	0.7	472	15.5	302	9.9	3048	100.0
Nepean	2135	59.7	60	1.7	291	8.1	19	0.5	573	16.0	498	13.9	3576	100.0
Westmead	2626	57.2	218	4.8	365	8.0	44	1.0	734	16.0	600	13.1	4587	100.0
John Hunter	2378	64.1	194	5.2	153	4.1	52	1.4	413	11.1	521	14.0	3711	100.0
TOTAL	15081	57.8	1296	5.0	1771	6.8	192	0.7	4125	15.8	3632	13.9	26097	100.0
Level 5														
Gosford	1350	52.6	121	4.7	165	6.4	10	0.4	492	19.2	430	16.7	2568	100.0
St. George	1566	62.5	77	3.1	238	9.5	6	0.2	309	12.3	308	12.3	2504	100.0
Blacktown	2011	62.9	112	3.5	241	7.5	12	0.4	399	12.5	422	13.2	3197	100.0
Lismore Base	846	64.1	51	3.9	40	3.0	9	0.7	202	15.3	171	13.0	1319	100.0
Tweed Heads	1024	68.5	30	2.0	73	4.9	9	0.6	172	11.5	187	12.5	1495	100.0
Port Macquarie Base	502	64.1	23	2.9	60	7.7	2	0.3	101	12.9	95	12.1	783	100.0
Wollongong	1580	67.8	25	1.1	185	7.9	1	0.0	256	11.0	282	12.1	2329	100.0
Maitland	953	62.5	35	2.3	89	5.8	9	0.6	214	14.0	226	14.8	1526	100.0
Wagga Wagga Base	460	60.8	15	2.0	48	6.3	4	0.5	121	16.0	108	14.3	756	100.0
TOTAL	10292	62.5	489	3.0	1139	6.9	62	0.4	2266	13.8	2229	13.5	16477	100.0
Level 4														
Canterbury	1080	63.8	48	2.8	131	7.7	0	0.0	230	13.6	204	12.0	1693	100.0
Hornsby	703	60.7	67	5.8	73	6.3	2	0.2	158	13.6	155	13.4	1158	100.0
Manly	655	57.5	25	2.2	131	11.5	2	0.2	166	14.6	160	14.0	1139	100.0

Table 36. (Continued)

Maternity service level-hospital	Type of birth												TOTAL	
	Normal vaginal		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section##			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Mona Vale	182	57.8	4	1.3	41	13.0	1	0.3	54	17.1	33	10.5	315	100.0
Sutherland	839	65.4	10	0.8	153	11.9	3	0.2	154	12.0	123	9.6	1282	100.0
Auburn	975	72.8	23	1.7	76	5.7	3	0.2	138	10.3	125	9.3	1340	100.0
Fairfield	1373	73.0	15	0.8	126	6.7	5	0.3	224	11.9	138	7.3	1881	100.0
Campbelltown	1807	67.1	14	0.5	194	7.2	7	0.3	420	15.6	251	9.3	2693	100.0
Bankstown-Lidcombe	1496	68.9	14	0.6	201	9.3	9	0.4	274	12.6	177	8.2	2171	100.0
Hawkesbury	515	59.8	30	3.5	43	5.0	2	0.2	132	15.3	139	16.1	861	100.0
Coffs Harbour	665	61.6	28	2.6	76	7.0	3	0.3	180	16.7	127	11.8	1079	100.0
Grafton Base	318	64.6	10	2.0	25	5.1	0	0.0	70	14.2	69	14.0	492	100.0
Tamworth Base	512	61.3	41	4.9	70	8.4	0	0.0	120	14.4	92	11.0	835	100.0
Manning Base	493	65.5	4	0.5	56	7.4	1	0.1	108	14.3	91	12.1	753	100.0
Dubbo Base	831	69.3	40	3.3	41	3.4	3	0.3	163	13.6	121	10.1	1199	100.0
Orange Base	512	57.7	28	3.2	57	6.4	1	0.1	169	19.1	120	13.5	887	100.0
Goulburn Base	178	58.9	32	10.6	14	4.6	0	0.0	44	14.6	34	11.3	302	100.0
Shoalhaven	541	62.0	33	3.8	27	3.1	4	0.5	160	18.3	108	12.4	873	100.0
Griffith Base	275	67.1	14	3.4	14	3.4	0	0	58	14.1	49	12.0	410	100.0
TOTAL	13950	65.3	480	2.2	1549	7.3	46	0.2	3022	14.1	2316	10.8	21363	100.0
Level 3														
Blue Mountains	152	62.0	3	1.2	15	6.1	0	0.0	45	18.4	30	12.2	245	100.0
Kempsey	245	80.1	1	0.3	9	2.9	2	0.7	29	9.5	20	6.5	306	100.0
Murwillumbah	149	71.6	1	0.5	4	1.9	0	0.0	48	23.1	6	2.9	208	100.0
Armidale	307	70.1	3	0.7	18	4.1	2	0.5	60	13.7	48	11.0	438	100.0
Inverell	155	60.8	16	6.3	3	1.2	1	0.4	62	24.3	18	7.1	255	100.0
Mudgee	162	71.4	1	0.4	14	6.2	2	0.9	32	14.1	16	7.0	227	100.0
Bathurst Base	355	63.4	23	4.1	14	2.5	1	0.2	77	13.8	90	16.1	560	100.0
Bega	210	74.7	5	1.8	13	4.6	0	0.0	24	8.5	29	10.3	281	100.0
Moruya	202	62.2	18	5.5	12	3.7	0	0.0	57	17.5	36	11.1	325	100.0
Queanbeyan	219	70.9	14	4.5	21	6.8	0	0.0	28	9.1	27	8.7	309	100.0
Bowral	344	61.1	33	5.9	45	8.0	2	0.4	81	14.4	58	10.3	563	100.0
Broken Hill Base	140	58.8	8	3.4	6	2.5	0	0.0	36	15.1	48	20.2	238	100.0
Other hospitals	1797	70.7	19	0.7	121	4.8	6	0.2	342	13.5	255	10.0	2540	100.0
TOTAL	4437	68.3	145	2.2	295	4.5	16	0.2	921	14.2	681	10.5	6495	100.0
Level 2														
Wyong	233	99.6	0	0.0	0	0.0	0	0.0	0	0.0	1	0.4	234	100.0
Other hospitals	759	88.9	6	0.7	32	3.7	2	0.2	35	4.1	20	2.3	854	100.0
TOTAL	992	91.2	6	0.6	32	2.9	2	0.2	35	3.2	21	1.9	1088	100.0
Private														
Mater, North Sydney	899	36.0	83	3.3	322	12.9	1	0.0	826	33.1	368	14.7	2499	100.0
North Shore Private	1128	43.0	57	2.2	264	10.1	5	0.2	794	30.2	378	14.4	2626	100.0
Sydney Adventist	1169	52.0	99	4.4	182	8.1	3	0.1	496	22.1	299	13.3	2248	100.0
North Gosford Private	343	41.0	11	1.3	89	10.6	1	0.1	287	34.3	105	12.6	836	100.0
Hurstville Private	419	43.5	17	1.8	117	12.1	0	0	244	25.3	166	17.2	963	100.0
Kareena Private	252	36.9	48	7.0	74	10.8	1	0.1	241	35.3	67	9.8	683	100.0
St. George Private	682	37.5	100	5.5	213	11.7	1	0.1	491	27.0	330	18.2	1817	100.0
Prince of Wales Private	841	37.1	101	4.5	235	10.4	3	0.1	708	31.2	380	16.8	2268	100.0
Norwest Private	653	53.3	93	7.6	133	10.9	4	0.3	201	16.4	141	11.5	1225	100.0
Sydney Southwest Private	575	54.4	35	3.3	116	11.0	0	0	238	22.5	93	8.8	1057	100.0
Nepean Private	466	50.0	38	4.1	66	7.1	2	0.2	237	25.4	123	13.2	932	100.0
Westmead Private	1162	49.1	166	7.0	196	8.3	3	0.1	540	22.8	301	12.7	2368	100.0
Figtree Private	458	45.2	15	1.5	137	13.5	6	0.6	258	25.5	139	13.7	1013	100.0
Newcastle Private	960	51.0	48	2.5	209	11.1	6	0.3	451	24.0	209	11.1	1883	100.0
Calvary, Wagga Wagga	283	45.1	38	6.1	67	10.7	0	0	175	27.9	64	10.2	627	100.0
Other hospitals	110	40.9	18	6.7	25	9.3	0	0	93	34.6	23	8.6	269	100.0
TOTAL	10400	44.6	967	4.1	2445	10.5	36	0.2	6280	26.9	3186	13.7	23314	100.0
TOTAL NSW**	55359	58.2	3383	3.6	7232	7.6	355	0.4	16649	17.5	12065	12.7	95043	100.0

Source: NSW Perinatal 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.

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

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

Pain relief

Table 37 shows type of pain relief provided to women during labour or delivery for Local Health Districts, and Table 38 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

In addition to the types of pain relief shown in the tables, in 2009 a further 23,492 (24.7%) women were reported to have received local anaesthetic to the perineum, and 747 (0.8%) received a pudendal block.

Table 37. Pain relief by Local Health District of hospital, NSW 2009

Local Health District	Pain relief											
	Epidural – spinal##		General anaesthetic		IM narcotics		Nitrous oxide		Nil		TOTAL#	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	3264	48.6	288	4.3	650	9.7	2739	40.8	838	12.5	6715	100.0
South Western Sydney	2915	28.1	546	5.3	2867	27.7	4998	48.3	1491	14.4	10357	100.0
South Eastern Sydney	3828	48.6	190	2.4	1003	12.7	3338	42.4	877	11.1	7873	100.0
Illawarra Shoalhaven	1202	36.5	111	3.4	499	15.2	1744	53.0	413	12.5	3293	100.0
Western Sydney	3746	41.1	421	4.6	1355	14.9	4312	47.3	675	7.4	9124	100.0
Nepean Blue Mountains	2082	42.7	313	6.4	920	18.9	2499	51.3	386	7.9	4871	100.0
Northern Sydney	2346	48.9	149	3.1	714	14.9	2000	41.7	427	8.9	4799	100.0
Central Coast	1234	44.0	127	4.5	555	19.8	1223	43.6	339	12.1	2802	100.0
Hunter New England	2752	31.4	492	5.6	1837	21.0	4087	46.7	1137	13.0	8757	100.0
Northern NSW	1326	35.7	102	2.7	618	16.6	1780	48.0	733	19.7	3712	100.0
Mid North Coast	761	34.3	59	2.7	502	22.6	1106	49.8	412	18.6	2219	100.0
Southern NSW	377	26.7	55	3.9	252	17.9	771	54.6	309	21.9	1411	100.0
Murrumbidgee	635	32.1	51	2.6	602	30.5	1042	52.7	317	16.0	1977	100.0
Western NSW	1124	32.9	178	5.2	784	23.0	1712	50.1	580	17.0	3416	100.0
Far West	95	39.9	11	4.6	43	18.1	126	52.9	31	13.0	238	100.0
Private Hospitals	15933	68.3	733	3.1	2072	8.9	7546	32.4	994	4.3	23314	100.0
TOTAL*	43620	45.9	3826	4.0	15273	16.1	41023	43.2	10113	10.6	95043	100.0

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

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

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

* Total includes births at home assisted by independent midwives.

Table 38. Pain relief by hospital and maternity service level, NSW, 2009#

Maternity service level–hospital	Pain relief											
	Epidural – spinal*		General anaesthetic		IM narcotics		Nitrous oxide		Nil		TOTAL##	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6												
Royal Prince Alfred	2640	52.6	211	4.2	466	9.3	1949	38.8	636	12.7	5022	100.0
Royal North Shore	1156	56.0	76	3.7	229	11.1	904	43.8	99	4.8	2066	100.0
Royal Hospital for Women	2253	55.1	80	2.0	575	14.1	1492	36.5	411	10.1	4087	100.0
Liverpool	1133	37.2	177	5.8	1122	36.8	1175	38.5	280	9.2	3048	100.0
Nepean	1586	44.4	253	7.1	671	18.8	1900	53.1	237	6.6	3576	100.0
Westmead	2237	48.8	241	5.3	621	13.5	2058	44.9	151	3.3	4587	100.0
John Hunter	1284	34.6	250	6.7	968	26.1	1726	46.5	390	10.5	3711	100.0
TOTAL	12289	47.1	1288	4.9	4652	17.8	11204	42.9	2204	8.4	26097	100.0
Level 5												
Gosford	1234	48.1	124	4.8	534	20.8	1144	44.5	260	10.1	2568	100.0
St. George	1067	42.6	71	2.8	293	11.7	1175	46.9	326	13.0	2504	100.0
Blacktown	1179	36.9	130	4.1	541	16.9	1553	48.6	288	9.0	3197	100.0
Lismore Base	572	43.4	38	2.9	197	14.9	594	45.0	171	13.0	1319	100.0
Tweed Heads	534	35.7	39	2.6	287	19.2	772	51.6	310	20.7	1495	100.0
Port Macquarie Base	298	38.1	20	2.6	211	26.9	389	49.7	128	16.3	783	100.0
Wollongong	859	36.9	72	3.1	236	10.1	1297	55.7	285	12.2	2329	100.0
Maitland	520	34.1	78	5.1	196	12.8	739	48.4	210	13.8	1526	100.0
Wagga Wagga Base	302	39.9	16	2.1	189	25.0	336	44.4	137	18.1	756	100.0
TOTAL	6565	39.8	588	3.6	2684	16.3	7999	48.5	2115	12.8	16477	100.0
Level 4												
Canterbury	624	36.9	77	4.5	184	10.9	790	46.7	202	11.9	1693	100.0
Hornsby	530	45.8	36	3.1	189	16.3	539	46.5	83	7.2	1158	100.0
Manly	523	45.9	28	2.5	190	16.7	401	35.2	150	13.2	1139	100.0

Table 38. (Continued)

Maternity service level-hospital	Pain relief											
	Epidural – spinal*		General anaesthetic		IM narcotics		Nitrous oxide		Nil		TOTAL##	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Mona Vale	137	43.5	8	2.5	102	32.4	122	38.7	35	11.1	315	100.0
Sutherland	508	39.6	39	3.0	135	10.5	671	52.3	140	10.9	1282	100.0
Auburn	330	24.6	50	3.7	193	14.4	701	52.3	236	17.6	1340	100.0
Fairfield	259	13.8	143	7.6	429	22.8	955	50.8	333	17.7	1881	100.0
Campbelltown	747	27.7	128	4.8	632	23.5	1374	51.0	524	19.5	2693	100.0
Bankstown-Lidcombe	580	26.7	81	3.7	485	22.3	1230	56.7	271	12.5	2171	100.0
Hawkesbury	327	38.0	45	5.2	174	20.2	409	47.5	86	10.0	861	100.0
Coffs Harbour	399	37.0	31	2.9	180	16.7	523	48.5	188	17.4	1079	100.0
Grafton Base	157	31.9	23	4.7	92	18.7	271	55.1	94	19.1	492	100.0
Tamworth Base	371	44.4	37	4.4	52	6.2	422	50.5	84	10.1	835	100.0
Manning Base	198	26.3	53	7.0	228	30.3	377	50.1	97	12.9	753	100.0
Dubbo Base	399	33.3	59	4.9	359	29.9	610	50.9	172	14.3	1199	100.0
Orange Base	360	40.6	55	6.2	182	20.5	442	49.8	102	11.5	887	100.0
Goulburn Base	91	30.1	19	6.3	59	19.5	206	68.2	18	6.0	302	100.0
Shoalhaven	325	37.2	38	4.4	227	26.0	391	44.8	120	13.7	873	100.0
Griffith Base	131	32.0	13	3.2	198	48.3	238	58.0	48	11.7	410	100.0
TOTAL	6996	32.7	963	4.5	4290	20.1	10672	50.0	2983	14.0	21363	100.0
Level 3												
Blue Mountains	89	36.3	13	5.3	34	13.9	98	40.0	42	17.1	245	100.0
Kempsey	64	20.9	8	2.6	104	34.0	174	56.9	73	23.9	306	100.0
Murwillumbah	63	30.3	2	1.0	35	16.8	83	39.9	44	21.2	208	100.0
Armidale	122	27.9	15	3.4	94	21.5	210	47.9	47	10.7	438	100.0
Inverell	81	31.8	1	0.4	60	23.5	96	37.6	43	16.9	255	100.0
Mudgee	46	20.3	5	2.2	62	27.3	142	62.6	33	14.5	227	100.0
Bathurst Base	193	34.5	25	4.5	61	10.9	265	47.3	127	22.7	560	100.0
Bega	62	22.1	8	2.8	67	23.8	176	62.6	50	17.8	281	100.0
Moruya	103	31.7	17	5.2	68	20.9	151	46.5	73	22.5	325	100.0
Queanbeyan	67	21.7	9	2.9	45	14.6	136	44.0	113	36.6	309	100.0
Bowral	196	34.8	17	3.0	199	35.3	264	46.9	82	14.6	563	100.0
Broken Hill Base	95	39.9	11	4.6	43	18.1	126	52.9	31	13.0	238	100.0
Other hospitals	584	23.0	114	4.5	563	22.2	1275	50.2	513	20.2	2540	100.0
TOTAL	1765	27.2	245	3.8	1435	22.1	3196	49.2	1271	19.6	6495	100.0
Level 2												
Wyong	0	0.0	3	1.3	21	9.0	79	33.8	79	33.8	234	100.0
Other hospitals	72	8.4	6	0.7	114	13.3	319	37.4	281	32.9	854	100.0
TOTAL	72	6.6	9	0.8	135	12.4	398	36.6	360	33.1	1088	100.0
Private												
Mater, North Sydney	1801	72.1	36	1.4	234	9.4	821	32.9	97	3.9	2499	100.0
North Shore Private	1907	72.6	36	1.4	113	4.3	752	28.6	75	2.9	2626	100.0
Sydney Adventist	1564	69.6	30	1.3	187	8.3	716	31.9	62	2.8	2248	100.0
North Gosford Private	462	55.3	74	8.9	68	8.1	242	28.9	95	11.4	836	100.0
Hurstville Private	740	76.8	17	1.8	66	6.9	228	23.7	41	4.3	963	100.0
Kareena Private	577	84.5	8	1.2	23	3.4	99	14.5	29	4.2	683	100.0
St. George Private	1490	82.0	40	2.2	94	5.2	444	24.4	63	3.5	1817	100.0
Prince of Wales Private	1667	73.5	282	12.4	51	2.2	541	23.9	94	4.1	2268	100.0
Norwest Private	789	64.4	47	3.8	96	7.8	339	27.7	71	5.8	1225	100.0
Sydney Southwest Private	514	48.6	15	1.4	333	31.5	549	51.9	37	3.5	1057	100.0
Nepean Private	499	53.5	22	2.4	193	20.7	482	51.7	57	6.1	932	100.0
Westmead Private	1528	64.5	56	2.4	173	7.3	925	39.1	83	3.5	2368	100.0
Figtree Private	709	70.0	22	2.2	27	2.7	313	30.9	42	4.1	1013	100.0
Newcastle Private	1159	61.6	24	1.3	274	14.6	782	41.5	61	3.2	1883	100.0
Calvary, Wagga Wagga	364	58.1	12	1.9	129	20.6	215	34.3	65	10.4	627	100.0
Other hospitals	163	60.6	12	4.5	11	4.1	98	36.4	22	8.2	269	100.0
TOTAL	15933	68.3	733	3.1	2072	8.9	7546	32.4	994	4.3	23314	100.0
TOTAL NSW**	43620	45.9	3826	4.0	15269	16.1	41017	43.2	10101	10.6	95043	100.0

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry of Health.
Hospitals with more than 200 births are identified individually. Maternity service levels are described on page 13 of the Methods chapter.
Row percentages do not sum to 100 per cent as one woman may have more than one type of analgesia.
* The category 'Epidural-spinal' includes epidural, spinal, combined epidural and spinal, and caudal pain relief.
** Total NSW includes births at home assisted by independent midwives and births at level 1 hospitals.

Perineal status

Table 39 shows the perineal status in vaginal births for Local Health Districts, and Table 40 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

In 2009, there were 1,560 cases of third degree tear and 116 cases of fourth degree tear reported among women who gave birth vaginally in 2009, including tears associated with an episiotomy.

Table 39. Perineal status among vaginal births by Local Health District of hospital, NSW 2009

Local Health District	Perineal status																	
	Intact		1st degree tear/ graze		2nd degree tear		3rd or 4th degree tear		Episiotomy		Combined tear and episiotomy		Other		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	836	17.8	1178	25.1	1750	37.2	120	2.6	524	11.1	111	2.4	181	3.9	0	0.0	4700	100.0
South Western Sydney	2263	28.4	1875	23.6	2029	25.5	121	1.5	1184	14.9	149	1.9	339	4.3	0	0.0	7960	100.0
South Eastern Sydney	1157	20.4	1657	29.2	1610	28.4	155	2.7	759	13.4	262	4.6	69	1.2	0	0.0	5669	100.0
Illawarra Shoalhaven	743	30.0	903	36.5	539	21.8	30	1.2	159	6.4	64	2.6	37	1.5	0	0.0	2475	100.0
Western Sydney	1458	21.7	2012	30.0	1702	25.4	80	1.2	1023	15.3	341	5.1	90	1.3	0	0.0	6706	100.0
Nepean Blue Mountains	852	25.1	1276	37.6	719	21.2	49	1.4	325	9.6	133	3.9	40	1.2	0	0.0	3394	100.0
Northern Sydney	601	18.1	1128	34.0	918	27.7	73	2.2	362	10.9	212	6.4	26	0.8	0	0.0	3320	100.0
Central Coast	397	21.1	805	42.8	419	22.3	31	1.6	103	5.5	93	4.9	31	1.6	0	0.0	1879	100.0
Hunter New England	1637	24.9	2709	41.2	1334	20.3	144	2.2	468	7.1	204	3.1	84	1.3	0	0.0	6580	100.0
Northern NSW	895	32.1	779	28.0	742	26.6	52	1.9	220	7.9	30	1.1	69	2.5	0	0.0	2787	100.0
Mid North Coast	633	38.0	366	22.0	434	26.0	30	1.8	124	7.4	40	2.4	40	2.4	0	0.0	1667	100.0
Southern NSW	430	39.4	247	22.6	238	21.8	11	1.0	125	11.5	18	1.6	22	2.0	0	0.0	1091	100.0
Murrumbidgee	578	40.1	426	29.6	244	16.9	18	1.3	131	9.1	25	1.7	18	1.3	0	0.0	1440	100.0
Western NSW	901	36.1	701	28.1	525	21.1	36	1.4	193	7.7	72	2.9	65	2.6	1	0.0	2494	100.0
Far West	75	48.7	38	24.7	21	13.6	1	0.6	17	11.0	0	0.0	2	1.3	0	0.0	154	100.0
Private Hospitals	2739	19.8	2724	19.7	4285	30.9	122	0.9	3417	24.7	285	2.1	276	2.0	0	0.0	13848	100.0
TOTAL*	16301	24.6	18857	28.4	17528	26.4	1074	1.6	9134	13.8	2040	3.1	1392	2.1	3	0.0	66329	100.0

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

Table 40. Perineal status among vaginal births by hospital and maternity service level, NSW, 2009#

Maternity service level-hospital	Perineal status																	
	Intact		1st degree tear/ graze		2nd degree tear		3rd or 4th degree tear		Episiotomy		Combined tear and episiotomy		Other		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6																		
Royal Prince Alfred	528	15.3	914	26.6	1342	39.0	105	3.1	356	10.3	80	2.3	116	3.4	0	0.0	3441	100.0
Royal North Shore	189	14.4	399	30.4	363	27.6	33	2.5	201	15.3	117	8.9	11	0.8	0	0.0	1313	100.0
Royal Hospital for Women	472	17.0	812	29.2	775	27.9	73	2.6	485	17.5	119	4.3	41	1.5	0	0.0	2777	100.0
Liverpool	603	26.5	514	22.6	540	23.7	39	1.7	377	16.6	56	2.5	145	6.4	0	0.0	2274	100.0
Nepean	595	23.8	957	38.2	535	21.4	40	1.6	250	10.0	98	3.9	30	1.2	0	0.0	2505	100.0
Westmead	666	20.5	806	24.8	883	27.1	33	1.0	609	18.7	192	5.9	64	2.0	0	0.0	3253	100.0
John Hunter	558	20.1	1212	43.6	580	20.9	86	3.1	201	7.2	113	4.1	27	1.0	0	0.0	2777	100.0
TOTAL	3611	19.7	5614	30.6	5018	27.4	409	2.2	2479	13.5	775	4.2	434	2.4	0	0.0	18340	100.0
Level 5																		
Gosford	343	20.8	688	41.8	367	22.3	30	1.8	100	6.1	90	5.5	28	1.7	0	0.0	1646	100.0
St. George	429	22.7	520	27.6	561	29.7	67	3.6	181	9.6	114	6.0	15	0.8	0	0.0	1887	100.0
Blacktown	436	18.4	866	36.4	605	25.5	39	1.6	305	12.8	112	4.7	13	0.5	0	0.0	2376	100.0
Lismore Base	261	27.6	293	31.0	277	29.3	10	1.1	82	8.7	14	1.5	9	1.0	0	0.0	946	100.0
Tweed Heads	342	30.1	296	26.1	327	28.8	35	3.1	83	7.3	12	1.1	41	3.6	0	0.0	1136	100.0
Port Macquarie Base	250	42.6	112	19.1	159	27.1	11	1.9	37	6.3	16	2.7	2	0.3	0	0.0	587	100.0
Wollongong	530	29.6	626	35.0	431	24.1	22	1.2	108	6.0	49	2.7	25	1.4	0	0.0	1791	100.0
Maitland	246	22.7	453	41.7	242	22.3	39	3.6	55	5.1	33	3.0	18	1.7	0	0.0	1086	100.0
Wagga Wagga Base	187	35.5	186	35.3	89	16.9	5	0.9	44	8.3	11	2.1	5	0.9	0	0.0	527	100.0
TOTAL	3024	25.2	4040	33.7	3058	25.5	258	2.2	995	8.3	451	3.8	156	1.3	0	0.0	11982	100.0
Level 4																		
Canterbury	308	24.5	264	21.0	408	32.4	15	1.2	168	13.3	31	2.5	65	5.2	0	0.0	1259	100.0
Hornsby	154	18.2	303	35.9	245	29.0	20	2.4	87	10.3	28	3.3	8	0.9	0	0.0	845	100.0
Manly	163	20.0	284	34.9	224	27.6	16	2.0	62	7.6	58	7.1	6	0.7	0	0.0	813	100.0

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.	%		
Mona Vale	56	24.6	86	37.7	61	26.8	3	1.3	12	5.3	9	3.9	1	0.4	0	0.0	228	100.0
Sutherland	256	25.5	325	32.3	274	27.3	15	1.5	93	9.3	29	2.9	13	1.3	0	0.0	1005	100.0
Auburn	356	33.1	340	31.6	214	19.9	8	0.7	109	10.1	37	3.4	13	1.2	0	0.0	1077	100.0
Fairfield	452	29.8	364	24.0	407	26.8	23	1.5	230	15.1	17	1.1	26	1.7	0	0.0	1519	100.0
Campbelltown	601	29.7	521	25.8	543	26.9	29	1.4	234	11.6	18	0.9	76	3.8	0	0.0	2022	100.0
Bankstown-Lidcombe	463	26.9	359	20.9	437	25.4	26	1.5	297	17.3	54	3.1	84	4.9	0	0.0	1720	100.0
Hawkesbury	154	26.1	232	39.3	111	18.8	7	1.2	52	8.8	30	5.1	4	0.7	0	0.0	590	100.0
Coffs Harbour	237	30.7	182	23.6	201	26.0	19	2.5	78	10.1	21	2.7	34	4.4	0	0.0	772	100.0
Grafton Base	147	41.6	84	23.8	69	19.5	6	1.7	32	9.1	0	0	15	4.2	0	0.0	353	100.0
Tamworth Base	135	21.7	274	44.0	117	18.8	9	1.4	66	10.6	19	3.0	3	0.5	0	0.0	623	100.0
Manning Base	185	33.4	203	36.6	116	20.9	1	0.2	28	5.1	10	1.8	11	2.0	0	0.0	554	100.0
Dubbo Base	340	37.2	232	25.4	171	18.7	14	1.5	95	10.4	27	3.0	35	3.8	1	0.1	915	100.0
Orange Base	171	28.6	198	33.1	142	23.7	9	1.5	41	6.9	30	5.0	7	1.2	0	0.0	598	100.0
Goulburn Base	70	31.3	25	11.2	36	16.1	4	1.8	80	35.7	5	2.2	4	1.8	0	0.0	224	100.0
Shoalhaven	180	29.8	254	42.0	92	15.2	6	1.0	49	8.1	13	2.1	11	1.8	0	0.0	605	100.0
Griffith Base	116	38.3	108	35.6	41	13.5	10	3.3	22	7.3	3	1.0	3	1.0	0	0.0	303	100.0
TOTAL	4544	28.4	4638	28.9	3909	24.4	240	1.5	1835	11.5	439	2.7	419	2.6	1	0.0	16025	100.0
Level 3																		
Blue Mountains	48	28.2	61	35.9	46	27.1	2	1.2	8	4.7	3	1.8	2	1.2	0	0.0	170	100.0
Kempsey	121	47.1	57	22.2	65	25.3	0	0.0	9	3.5	3	1.2	2	0.8	0	0.0	257	100.0
Murwillumbah	71	46.1	38	24.7	30	19.5	1	0.6	9	5.8	1	0.6	4	2.6	0	0.0	154	100.0
Armidale	114	34.5	111	33.6	62	18.8	1	0.3	28	8.5	11	3.3	3	0.9	0	0.0	330	100.0
Inverell	64	36.6	47	26.9	16	9.1	0	0.0	36	20.6	5	2.9	7	4.0	0	0.0	175	100.0
Mudgee	78	43.6	46	25.7	43	24.0	0	0.0	6	3.4	5	2.8	1	0.6	0	0.0	179	100.0
Bathurst Base	139	35.4	124	31.6	65	16.5	7	1.8	41	10.4	3	0.8	14	3.6	0	0.0	393	100.0
Bega	102	44.7	50	21.9	51	22.4	1	0.4	14	6.1	4	1.8	6	2.6	0	0.0	228	100.0
Moruya	98	42.2	54	23.3	54	23.3	2	0.9	17	7.3	1	0.4	6	2.6	0	0.0	232	100.0
Queanbeyan	87	34.3	82	32.3	59	23.2	2	0.8	10	3.9	8	3.1	6	2.4	0	0.0	254	100.0
Bowral	143	33.7	117	27.6	102	24.1	4	0.9	46	10.8	4	0.9	8	1.9	0	0.0	424	100.0
Broken Hill Base	75	48.7	38	24.7	21	13.6	1	0.6	17	11.0	0	0	2	1.3	0	0.0	154	100.0
Other hospitals	778	40.0	534	27.5	407	20.9	13	0.7	148	7.6	29	1.5	34	1.7	0	0.0	1943	100.0
TOTAL	1918	39.2	1359	27.8	1021	20.9	34	0.7	389	8.0	77	1.6	95	1.9	0	0.0	4893	100.0
Level 2																		
Wyong	54	23.2	117	50.2	52	22.3	1	0.4	3	1.3	3	1.3	3	1.3	0	0.0	233	100.0
Other hospitals	276	34.5	321	40.2	164	20.5	9	1.1	14	1.8	9	1.1	6	0.8	0	0.0	799	100.0
TOTAL	330	32.0	438	42.4	216	20.9	10	1.0	17	1.6	12	1.2	9	0.9	0	0.0	1032	100.0
Private																		
Mater, North Sydney	184	14.1	236	18.1	354	27.1	11	0.8	397	30.4	69	5.3	54	4.1	0	0.0	1305	100.0
North Shore Private	251	17.3	306	21.0	496	34.1	13	0.9	373	25.7	5	0.3	10	0.7	0	0.0	1454	100.0
Sydney Adventist	259	17.8	394	27.1	443	30.5	13	0.9	316	21.7	23	1.6	5	0.3	0	0.0	1453	100.0
North Gosford Private	143	32.2	99	22.3	115	25.9	3	0.7	65	14.6	8	1.8	11	2.5	0	0.0	444	100.0
Hurstville Private	84	15.2	114	20.6	142	25.7	6	1.1	164	29.7	26	4.7	17	3.1	0	0.0	553	100.0
Kareena Private	76	20.3	83	22.1	129	34.4	5	1.3	76	20.3	3	0.8	3	0.8	0	0.0	375	100.0
St. George Private	235	23.6	213	21.4	318	31.9	17	1.7	194	19.5	4	0.4	15	1.5	0	0.0	996	100.0
Prince of Wales Private	245	20.8	242	20.5	310	26.3	2	0.2	277	23.5	55	4.7	49	4.2	0	0.0	1180	100.0
Norwest Private	211	23.9	154	17.4	328	37.1	6	0.7	147	16.6	16	1.8	21	2.4	0	0.0	883	100.0
Sydney Southwest Private	141	19.4	128	17.6	167	23.0	6	0.8	235	32.4	21	2.9	28	3.9	0	0.0	726	100.0
Nepean Private	119	20.8	43	7.5	185	32.3	4	0.7	183	32.0	7	1.2	31	5.4	0	0.0	572	100.0
Westmead Private	270	17.7	295	19.3	452	29.6	3	0.2	493	32.3	4	0.3	10	0.7	0	0.0	1527	100.0
Figtree Private	129	20.9	96	15.6	191	31.0	3	0.5	195	31.7	1	0.2	1	0.2	0	0.0	616	100.0
Newcastle Private	303	24.8	240	19.6	455	37.2	18	1.5	196	16.0	2	0.2	9	0.7	0	0.0	1223	100.0
Calvary, Wagga Wagga	63	16.2	55	14.2	158	40.7	12	3.1	60	15.5	33	8.5	7	1.8	0	0.0	388	100.0
Other hospitals	26	17.0	26	17.0	42	27.5	0	0	46	30.1	8	5.2	5	3.3	0	0.0	153	100.0
TOTAL	2739	19.8	2724	19.7	4285	30.9	122	0.9	3417	24.7	285	2.1	276	2.0	0	0.0	13848	100.0
TOTAL NSW*	16301	24.6	18857	28.4	17528	26.4	1074	1.6	9134	13.8	2040	3.1	1392	2.1	3	0.0	66329	100.0

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry 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 births at home assisted by independent midwives and births at level 1 hospitals.

Birth weight

Table 41 shows the birth weight of babies for Local Health Districts, and Table 42 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

Table 41. Births by birth weight and Local Health District of hospital, NSW 2009

Local Health District	Birth weight (grams)											
	Less than 1000		1000–1499		1500–2499		2500+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	71	1.0	57	0.8	362	5.3	6314	92.7	9	0.1	6813	100.0
South Western Sydney	93	0.9	76	0.7	551	5.2	9781	93.1	8	0.1	10509	100.0
South Eastern Sydney	83	1.0	71	0.9	462	5.7	7416	92.2	9	0.1	8041	100.0
Illawarra Shoalhaven	18	0.5	8	0.2	173	5.2	3142	94.0	3	0.1	3344	100.0
Western Sydney	99	1.1	79	0.8	540	5.8	8575	92.2	11	0.1	9304	100.0
Nepean Blue Mountains	50	1.0	43	0.9	308	6.2	4555	91.9	1	0.0	4957	100.0
Northern Sydney	53	1.1	43	0.9	209	4.3	4548	93.7	1	0.0	4854	100.0
Central Coast	13	0.5	5	0.2	127	4.5	2678	94.7	5	0.2	2828	100.0
Hunter New England	89	1.0	74	0.8	550	6.2	8164	91.9	9	0.1	8886	100.0
Northern NSW	19	0.5	8	0.2	173	4.6	3556	94.6	1	0.0	3757	100.0
Mid North Coast	14	0.6	3	0.1	91	4.1	2131	95.1	2	0.1	2241	100.0
Southern NSW	1	0.1	3	0.2	39	2.8	1368	97.0	0	0.0	1411	100.0
Murrumbidgee	8	0.4	6	0.3	84	4.2	1896	95.1	0	0.0	1994	100.0
Western NSW	6	0.2	11	0.3	161	4.7	3280	94.7	4	0.1	3462	100.0
Far West	1	0.4	0	0.0	15	6.2	226	93.4	0	0.0	242	100.0
Private Hospitals	43	0.2	14	0.1	777	3.3	22787	96.4	9	0.0	23630	100.0
Other	0	0.0	0	0.0	0	0.0	164	98.8	2	1.2	166	100.0
TOTAL*	661	0.7	501	0.5	4622	4.8	90581	93.9	74	0.1	96439	100.0

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

Table 42. Births by birth weight, hospital and maternity service level, NSW 2009#

Maternity service level–hospital	Birth weight (grams)											
	Less than 1000		1000–1499		1500–2499		2500+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6												
Royal Prince Alfred	65	1.3	56	1.1	302	5.9	4681	91.6	7	0.1	5111	100.0
Royal North Shore	48	2.3	42	2.0	130	6.2	1885	89.5	1	0.0	2106	100.0
Royal Hospital for Women	64	1.5	61	1.5	281	6.7	3792	90.2	5	0.1	4203	100.0
Liverpool	63	2.0	69	2.2	270	8.6	2739	87.2	0	0.0	3141	100.0
Nepean	47	1.3	43	1.2	259	7.1	3303	90.4	1	0.0	3653	100.0
Westmead	80	1.7	75	1.6	349	7.4	4210	89.1	10	0.2	4724	100.0
John Hunter	73	1.9	64	1.7	317	8.4	3332	87.9	6	0.2	3792	100.0
TOTAL	440	1.6	410	1.5	1908	7.1	23942	89.6	30	0.1	26730	100.0
Level 5												
Gosford	13	0.5	5	0.2	126	4.9	2445	94.3	5	0.2	2594	100.0
St. George	15	0.6	9	0.4	146	5.7	2382	93.2	4	0.2	2556	100.0
Blacktown	15	0.5	4	0.1	153	4.7	3064	94.7	0	0.0	3236	100.0
Lismore Base	6	0.4	5	0.4	65	4.8	1265	94.3	0	0.0	1341	100.0
Tweed Heads	11	0.7	3	0.2	72	4.8	1428	94.3	1	0.1	1515	100.0
Port Macquarie Base	8	1.0	1	0.1	39	4.9	748	93.9	1	0.1	797	100.0
Wollongong	8	0.3	5	0.2	137	5.8	2213	93.5	3	0.1	2366	100.0
Maitland	4	0.3	2	0.1	73	4.7	1466	94.8	1	0.1	1546	100.0
Wagga Wagga Base	7	0.9	5	0.7	39	5.1	714	93.3	0	0.0	765	100.0
TOTAL	87	0.5	39	0.2	850	5.1	15725	94.1	15	0.1	16716	100.0
Level 4												
Canterbury	6	0.4	1	0.1	60	3.5	1633	95.9	2	0.1	1702	100.0
Hornsby	3	0.3	0	0.0	39	3.3	1125	96.4	0	0.0	1167	100.0
Manly	1	0.1	1	0.1	28	2.4	1114	97.4	0	0.0	1144	100.0

Table 42. (Continued)

Maternity service level–hospital	Birth weight (grams)											
	Less than 1000		1000–1499		1500–2499		2500+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Mona Vale	1	0.3	0	0.0	11	3.5	304	96.2	0	0.0	316	100.0
Sutherland	4	0.3	1	0.1	35	2.7	1242	96.9	0	0.0	1282	100.0
Auburn	4	0.3	0	0.0	38	2.8	1301	96.8	1	0.1	1344	100.0
Fairfield	6	0.3	3	0.2	75	4.0	1809	95.5	1	0.1	1894	100.0
Campbelltown	10	0.4	2	0.1	118	4.4	2577	95.1	3	0.1	2710	100.0
Bankstown-Lidcombe	14	0.6	2	0.1	76	3.5	2098	95.6	4	0.2	2194	100.0
Hawkesbury	3	0.3	0	0.0	28	3.2	837	96.4	0	0.0	868	100.0
Coffs Harbour	5	0.5	2	0.2	37	3.4	1041	95.9	1	0.1	1086	100.0
Grafton Base	2	0.4	0	0.0	28	5.7	464	93.9	0	0.0	494	100.0
Tamworth Base	3	0.4	5	0.6	54	6.4	782	92.7	0	0.0	844	100.0
Manning Base	3	0.4	0	0.0	47	6.2	709	93.3	1	0.1	760	100.0
Dubbo Base	3	0.2	5	0.4	64	5.2	1149	94.1	0	0.0	1221	100.0
Orange Base	1	0.1	3	0.3	58	6.4	838	92.8	3	0.3	903	100.0
Goulburn Base	0	0.0	1	0.3	10	3.3	291	96.4	0	0.0	302	100.0
Shoalhaven	10	1.1	3	0.3	34	3.8	840	94.7	0	0.0	887	100.0
Griffith Base	1	0.2	0	0.0	19	4.6	395	95.2	0	0.0	415	100.0
TOTAL	80	0.4	29	0.1	859	4.0	20549	95.4	16	0.1	21533	100.0
Level 3												
Blue Mountains	0	0.0	0	0.0	6	2.4	240	97.6	0	0.0	246	100.0
Kempsey	1	0.3	0	0.0	11	3.6	295	96.1	0	0.0	307	100.0
Murwillumbah	0	0.0	0	0.0	8	3.8	201	96.2	0	0.0	209	100.0
Armidale	2	0.4	1	0.2	27	6.0	417	93.3	0	0.0	447	100.0
Inverell	0	0.0	2	0.8	9	3.5	245	95.3	1	0.4	257	100.0
Mudgee	0	0.0	0	0.0	4	1.7	225	98.3	0	0.0	229	100.0
Bathurst Base	2	0.4	2	0.4	24	4.2	538	95.1	0	0.0	566	100.0
Bega	1	0.4	1	0.4	9	3.2	270	96.1	0	0.0	281	100.0
Moruya	0	0.0	1	0.3	10	3.1	314	96.6	0	0.0	325	100.0
Queanbeyan	0	0.0	0	0.0	3	1.0	306	99.0	0	0.0	309	100.0
Bowral	0	0.0	0	0.0	12	2.1	557	97.9	0	0.0	569	100.0
Broken Hill Base	1	0.4	0	0.0	15	6.2	226	93.4	0	0.0	242	100.0
Other hospitals	2	0.1	2	0.1	72	2.8	2469	97.0	0	0.0	2545	100.0
TOTAL	9	0.1	9	0.1	210	3.2	6303	96.5	1	0.0	6532	100.0
Level 2												
Wyong	0	0.0	0	0.0	1	0.4	233	99.6	0	0.0	234	100.0
Other hospitals	2	0.2	0	0.0	15	1.8	837	98.0	0	0.0	854	100.0
TOTAL	2	0.2	0	0.0	16	1.5	1070	98.3	0	0.0	1088	100.0
Private												
Mater, North Sydney	1	0.0	0	0.0	84	3.3	2449	96.6	2	0.1	2536	100.0
North Shore Private	5	0.2	7	0.3	118	4.4	2541	95.1	0	0.0	2671	100.0
Sydney Adventist	6	0.3	2	0.1	78	3.4	2198	96.2	2	0.1	2286	100.0
North Gosford Private	2	0.2	0	0.0	27	3.2	819	96.6	0	0.0	848	100.0
Hurstville Private	1	0.1	1	0.1	45	4.6	928	95.2	0	0.0	975	100.0
Kareena Private	2	0.3	0	0.0	23	3.3	664	96.4	0	0.0	689	100.0
St. George Private	1	0.1	0	0.0	71	3.8	1772	96.0	1	0.1	1845	100.0
Prince of Wales Private	1	0.0	0	0.0	59	2.6	2231	97.4	0	0.0	2291	100.0
Norwest Private	6	0.5	1	0.1	43	3.5	1189	95.8	2	0.2	1241	100.0
Sydney Southwest Private	0	0.0	0	0.0	23	2.2	1046	97.8	0	0.0	1069	100.0
Nepean Private	0	0.0	1	0.1	19	2.0	920	97.9	0	0.0	940	100.0
Westmead Private	7	0.3	2	0.1	89	3.7	2295	95.9	0	0.0	2393	100.0
Figtree Private	5	0.5	0	0.0	27	2.6	1000	96.8	1	0.1	1033	100.0
Newcastle Private	4	0.2	0	0.0	53	2.8	1845	97.0	1	0.1	1903	100.0
Calvary, Wagga Wagga	2	0.3	0	0.0	15	2.3	622	97.3	0	0.0	639	100.0
Other hospitals	0	0.0	0	0.0	3	1.1	268	98.9	0	0.0	271	100.0
TOTAL	43	0.2	14	0.1	777	3.3	22787	96.4	9	0.0	23630	100.0
TOTAL NSW *	661	0.7	501	0.5	4622	4.8	90581	93.9	74	0.1	96439	100.0

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry 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 births at home assisted by independent midwives and births at level 1 hospitals.

Gestational age

Table 43 shows the gestational age of babies for Local Health Districts, and Table 44 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

Table 43. Births by gestational age and Local Health District of hospital, NSW 2009

Local Health District	Gestational age (weeks)											
	< 32		32–33		34–36		37+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	150	2.2	90	1.3	320	4.7	6253	91.8	0	0.0	6813	100.0
South Western Sydney	190	1.8	94	0.9	516	4.9	9708	92.4	1	0.0	10509	100.0
South Eastern Sydney	190	2.4	100	1.2	450	5.6	7299	90.8	2	0.0	8041	100.0
Illawarra Shoalhaven	32	1.0	39	1.2	215	6.4	3058	91.4	0	0.0	3344	100.0
Western Sydney	197	2.1	102	1.1	485	5.2	8520	91.6	0	0.0	9304	100.0
Nepean Blue Mountains	122	2.5	73	1.5	284	5.7	4477	90.3	1	0.0	4957	100.0
Northern Sydney	103	2.1	43	0.9	201	4.1	4506	92.8	1	0.0	4854	100.0
Central Coast	24	0.8	16	0.6	150	5.3	2638	93.3	0	0.0	2828	100.0
Hunter New England	205	2.3	113	1.3	575	6.5	7993	90.0	0	0.0	8886	100.0
Northern NSW	29	0.8	23	0.6	171	4.6	3534	94.1	0	0.0	3757	100.0
Mid North Coast	21	0.9	5	0.2	104	4.6	2111	94.2	0	0.0	2241	100.0
Southern NSW	4	0.3	4	0.3	43	3.0	1360	96.4	0	0.0	1411	100.0
Murrumbidgee	17	0.9	7	0.4	78	3.9	1892	94.9	0	0.0	1994	100.0
Western NSW	15	0.4	15	0.4	172	5.0	3260	94.2	0	0.0	3462	100.0
Far West	0	0.0	0	0.0	21	8.7	221	91.3	0	0.0	242	100.0
Private Hospitals	66	0.3	102	0.4	1085	4.6	22375	94.7	2	0.0	23630	100.0
TOTAL*	1365	1.4	826	0.9	4871	5.1	89369	92.7	8	0.0	96439	100.0

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

* Total includes births at home assisted by independent midwives.

Table 44. Births by gestational age, hospital and maternity service level, NSW 2009#

Maternity service level–hospital	Gestational age (weeks)											
	< 32		32–33		34–36		37+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6												
Royal Prince Alfred	140	2.7	89	1.7	261	5.1	4621	90.4	0	0.0	5111	100.0
Royal North Shore	97	4.6	39	1.9	105	5.0	1864	88.5	1	0.0	2106	100.0
Royal Hospital for Women	151	3.6	71	1.7	279	6.6	3701	88.1	1	0.0	4203	100.0
Liverpool	143	4.6	76	2.4	216	6.9	2706	86.2	0	0.0	3141	100.0
Nepean	119	3.3	67	1.8	222	6.1	3245	88.8	0	0.0	3653	100.0
Westmead	170	3.6	86	1.8	283	6.0	4185	88.6	0	0.0	4724	100.0
John Hunter	167	4.4	89	2.3	295	7.8	3241	85.5	0	0.0	3792	100.0
TOTAL	987	3.7	517	1.9	1661	6.2	23563	88.2	2	0.0	26730	100.0
Level 5												
Gosford	24	0.9	16	0.6	150	5.8	2404	92.7	0	0.0	2594	100.0
St. George	32	1.3	25	1.0	124	4.9	2374	92.9	1	0.0	2556	100.0
Blacktown	21	0.6	15	0.5	159	4.9	3041	94.0	0	0.0	3236	100.0
Lismore Base	13	1.0	6	0.4	80	6.0	1242	92.6	0	0.0	1341	100.0
Tweed Heads	14	0.9	9	0.6	67	4.4	1425	94.1	0	0.0	1515	100.0
Port Macquarie Base	10	1.3	2	0.3	41	5.1	744	93.4	0	0.0	797	100.0
Wollongong	19	0.8	31	1.3	171	7.2	2145	90.7	0	0.0	2366	100.0
Maitland	6	0.4	5	0.3	106	6.9	1429	92.4	0	0.0	1546	100.0
Wagga Wagga Base	12	1.6	6	0.8	47	6.1	700	91.5	0	0.0	765	100.0
TOTAL	151	0.9	115	0.7	945	5.7	15504	92.7	1	0.0	16716	100.0
Level 4												
Canterbury	10	0.6	1	0.1	59	3.5	1632	95.9	0	0.0	1702	100.0
Hornsby	3	0.3	3	0.3	47	4.0	1114	95.5	0	0.0	1167	100.0
Manly	2	0.2	0	0.0	34	3.0	1108	96.9	0	0.0	1144	100.0

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.	%		
Mona Vale	1	0.3	1	0.3	14	4.4	300	94.9	0	0.0	316	100.0
Sutherland	7	0.5	4	0.3	47	3.7	1224	95.5	0	0.0	1282	100.0
Auburn	6	0.4	1	0.1	43	3.2	1294	96.3	0	0.0	1344	100.0
Fairfield	10	0.5	3	0.2	75	4.0	1806	95.4	0	0.0	1894	100.0
Campbelltown	18	0.7	10	0.4	126	4.6	2556	94.3	0	0.0	2710	100.0
Bankstown-Lidcombe	19	0.9	5	0.2	88	4.0	2081	94.8	1	0.0	2194	100.0
Hawkesbury	3	0.3	1	0.1	39	4.5	825	95.0	0	0.0	868	100.0
Coffs Harbour	9	0.8	1	0.1	49	4.5	1027	94.6	0	0.0	1086	100.0
Grafton Base	2	0.4	8	1.6	17	3.4	467	94.5	0	0.0	494	100.0
Tamworth Base	12	1.4	6	0.7	55	6.5	771	91.4	0	0.0	844	100.0
Manning Base	8	1.1	8	1.1	45	5.9	699	92.0	0	0.0	760	100.0
Dubbo Base	6	0.5	5	0.4	72	5.9	1138	93.2	0	0.0	1221	100.0
Orange Base	5	0.6	6	0.7	67	7.4	825	91.4	0	0.0	903	100.0
Goulburn Base	1	0.3	1	0.3	11	3.6	289	95.7	0	0.0	302	100.0
Shoalhaven	13	1.5	7	0.8	42	4.7	825	93.0	0	0.0	887	100.0
Griffith Base	1	0.2	1	0.2	13	3.1	400	96.4	0	0.0	415	100.0
TOTAL	136	0.6	72	0.3	943	4.4	20381	94.7	1	0.0	21533	100.0
Level 3												
Blue Mountains	0	0.0	1	0.4	11	4.5	233	94.7	1	0.4	246	100.0
Kempsey	2	0.7	1	0.3	13	4.2	291	94.8	0	0.0	307	100.0
Murwillumbah	0	0.0	0	0.0	7	3.3	202	96.7	0	0.0	209	100.0
Armidale	4	0.9	2	0.4	30	6.7	411	91.9	0	0.0	447	100.0
Inverell	3	1.2	2	0.8	13	5.1	239	93.0	0	0.0	257	100.0
Mudgee	0	0.0	0	0.0	4	1.7	225	98.3	0	0.0	229	100.0
Bathurst Base	4	0.7	2	0.4	19	3.4	541	95.6	0	0.0	566	100.0
Bega	1	0.4	1	0.4	9	3.2	270	96.1	0	0.0	281	100.0
Moruya	2	0.6	1	0.3	9	2.8	313	96.3	0	0.0	325	100.0
Queanbeyan	0	0.0	0	0.0	10	3.2	299	96.8	0	0.0	309	100.0
Bowral	0	0.0	0	0.0	11	1.9	558	98.1	0	0.0	569	100.0
Broken Hill Base	0	0.0	0	0.0	21	8.7	221	91.3	0	0.0	242	100.0
Other hospitals	6	0.2	6	0.2	62	2.4	2471	97.1	0	0.0	2545	100.0
TOTAL	22	0.3	16	0.2	219	3.4	6274	96.1	1	0.0	6532	100.0
Level 2												
Wyong	0	0.0	0	0.0	0	0.0	234	100.0	0	0.0	234	100.0
Other hospitals	3	0.4	3	0.4	13	1.5	835	97.8	0	0.0	854	100.0
TOTAL	3	0.3	3	0.3	13	1.2	1069	98.3	0	0.0	1088	100.0
Private												
Mater, North Sydney	3	0.1	23	0.9	106	4.2	2403	94.8	1	0.0	2536	100.0
North Shore Private	9	0.3	29	1.1	140	5.2	2493	93.3	0	0.0	2671	100.0
Sydney Adventist	12	0.5	13	0.6	80	3.5	2181	95.4	0	0.0	2286	100.0
North Gosford Private	2	0.2	1	0.1	41	4.8	804	94.8	0	0.0	848	100.0
Hurstville Private	1	0.1	4	0.4	59	6.1	911	93.4	0	0.0	975	100.0
Kareena Private	2	0.3	2	0.3	49	7.1	636	92.3	0	0.0	689	100.0
St. George Private	2	0.1	8	0.4	84	4.6	1751	94.9	0	0.0	1845	100.0
Prince of Wales Private	1	0.0	4	0.2	94	4.1	2191	95.6	1	0.0	2291	100.0
Norwest Private	8	0.6	8	0.6	50	4.0	1175	94.7	0	0.0	1241	100.0
Sydney Southwest Private	1	0.1	0	0.0	52	4.9	1016	95.0	0	0.0	1069	100.0
Nepean Private	1	0.1	0	0.0	40	4.3	899	95.6	0	0.0	940	100.0
Westmead Private	9	0.4	4	0.2	120	5.0	2260	94.4	0	0.0	2393	100.0
Figtree Private	6	0.6	0	0.0	42	4.1	985	95.4	0	0.0	1033	100.0
Newcastle Private	6	0.3	1	0.1	82	4.3	1814	95.3	0	0.0	1903	100.0
Calvary, Wagga Wagga	3	0.5	5	0.8	39	6.1	592	92.6	0	0.0	639	100.0
Other hospitals	0	0.0	0	0.0	7	2.6	264	97.4	0	0.0	271	100.0
TOTAL	66	0.3	102	0.4	1085	4.6	22375	94.7	2	0.0	23630	100.0
TOTAL NSW*	1365	1.4	826	0.9	4871	5.1	89369	92.7	8	0.0	96439	100.0

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry 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 births at home assisted by independent midwives and births at level 1 hospitals.

Neonatal resuscitation

Table 45 shows the type of neonatal resuscitation for Local Health Districts, and Table 46 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

Table 45. Births by type of resuscitation and Local Health District of hospital, NSW 2009

Local Health District	Resuscitation															
	None		Suction		Oxygen therapy		IPPR by bag and mask		Intubation and IPPR		External cardiac massage and ventilation		Not stated		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	5348	78.5	310	4.6	453	6.6	581	8.5	78	1.1	43	0.6	0	0.0	6813	100.0
South Western Sydney	8868	84.4	498	4.7	585	5.6	465	4.4	44	0.4	48	0.5	1	0.0	10509	100.0
South Eastern Sydney	6146	76.4	574	7.1	718	8.9	492	6.1	90	1.1	21	0.3	0	0.0	8041	100.0
Illawarra Shoalhaven	2445	73.1	432	12.9	298	8.9	145	4.3	8	0.2	16	0.5	0	0.0	3344	100.0
Western Sydney	6808	73.2	948	10.2	877	9.4	472	5.1	161	1.7	38	0.4	0	0.0	9304	100.0
Nepean Blue Mountains	3415	68.9	690	13.9	527	10.6	242	4.9	60	1.2	23	0.5	0	0.0	4957	100.0
Northern Sydney	3534	72.8	434	8.9	501	10.3	345	7.1	23	0.5	17	0.4	0	0.0	4854	100.0
Central Coast	2080	73.6	167	5.9	313	11.1	239	8.5	12	0.4	17	0.6	0	0.0	2828	100.0
Hunter New England	6457	72.7	289	3.3	1030	11.6	1010	11.4	57	0.6	43	0.5	0	0.0	8886	100.0
Northern NSW	2755	73.3	211	5.6	502	13.4	270	7.2	12	0.3	7	0.2	0	0.0	3757	100.0
Mid North Coast	1761	78.6	91	4.1	231	10.3	145	6.5	5	0.2	8	0.4	0	0.0	2241	100.0
Southern NSW	1206	85.5	43	3.0	87	6.2	69	4.9	2	0.1	4	0.3	0	0.0	1411	100.0
Murrumbidgee	1479	74.2	139	7.0	229	11.5	132	6.6	6	0.3	9	0.5	0	0.0	1994	100.0
Western NSW	2693	77.8	120	3.5	415	12.0	211	6.1	12	0.3	11	0.3	0	0.0	3462	100.0
Far West	177	73.1	25	10.3	27	11.2	12	5.0	0	0.0	1	0.4	0	0.0	242	100.0
Private Hospitals	15931	67.4	3774	16.0	2898	12.3	978	4.1	27	0.1	16	0.1	6	0.0	23630	100.0
TOTAL*	71257	73.9	8746	9.1	9698	10.1	5812	6.0	597	0.6	322	0.3	7	0.0	96439	100.0

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry 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 2009#

Maternity service level – hospital	Resuscitation															
	None		Suction		Oxygen therapy		IPPR by bag and mask		Intubation and IPPR		External cardiac massage and ventilation		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6																
Royal Prince Alfred	3882	76.0	262	5.1	311	6.1	546	10.7	76	1.5	34	0.7	0	0.0	5111	100.0
Royal North Shore	1460	69.3	268	12.7	167	7.9	179	8.5	19	0.9	13	0.6	0	0.0	2106	100.0
Royal Hospital for Women	3077	73.2	383	9.1	368	8.8	277	6.6	85	2.0	13	0.3	0	0.0	4203	100.0
Liverpool	2532	80.6	221	7.0	162	5.2	187	6.0	30	1.0	8	0.3	1	0.0	3141	100.0
Nepean	2467	67.5	564	15.4	343	9.4	201	5.5	57	1.6	21	0.6	0	0.0	3653	100.0
Westmead	3343	70.8	404	8.6	539	11.4	275	5.8	150	3.2	13	0.3	0	0.0	4724	100.0
John Hunter	2691	71.0	124	3.3	312	8.2	592	15.6	41	1.1	32	0.8	0	0.0	3792	100.0
TOTAL	19452	72.8	2226	8.3	2202	8.2	2257	8.4	458	1.7	134	0.5	1	0.0	26730	100.0
Level 5																
Gosford	1879	72.4	163	6.3	297	11.4	227	8.8	12	0.5	16	0.6	0	0.0	2594	100.0
St. George	1992	77.9	101	4.0	282	11.0	173	6.8	3	0.1	5	0.2	0	0.0	2556	100.0
Blacktown	2317	71.6	500	15.5	247	7.6	139	4.3	11	0.3	22	0.7	0	0.0	3236	100.0
Lismore Base	1029	76.7	50	3.7	170	12.7	88	6.6	1	0.1	3	0.2	0	0.0	1341	100.0
Tweed Heads	1090	71.9	30	2.0	249	16.4	135	8.9	7	0.5	4	0.3	0	0.0	1515	100.0
Port Macquarie Base	617	77.4	17	2.1	105	13.2	51	6.4	3	0.4	4	0.5	0	0.0	797	100.0
Wollongong	1659	70.1	359	15.2	219	9.3	107	4.5	8	0.3	14	0.6	0	0.0	2366	100.0
Maitland	1245	80.5	13	0.8	145	9.4	132	8.5	3	0.2	8	0.5	0	0.0	1546	100.0
Wagga Wagga Base	600	78.4	40	5.2	58	7.6	62	8.1	3	0.4	2	0.3	0	0.0	765	100.0
TOTAL	12428	74.3	1273	7.6	1772	10.6	1114	6.7	51	0.3	78	0.5	0	0.0	16716	100.0
Level 4																
Canterbury	1466	86.1	48	2.8	142	8.3	35	2.1	2	0.1	9	0.5	0	0.0	1702	100.0
Hornsby	909	77.9	41	3.5	134	11.5	78	6.7	2	0.2	3	0.3	0	0.0	1167	100.0
Manly	872	76.2	37	3.2	161	14.1	71	6.2	2	0.2	1	0.1	0	0.0	1144	100.0

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.	%
Mona Vale	180	57.0	87	27.5	36	11.4	13	4.1	0	0.0	0	0	0	0.0	316	100.0
Sutherland	1077	84.0	90	7.0	68	5.3	42	3.3	2	0.2	3	0.2	0	0.0	1282	100.0
Auburn	1148	85.4	44	3.3	91	6.8	58	4.3	0	0.0	3	0.2	0	0.0	1344	100.0
Fairfield	1682	88.8	55	2.9	74	3.9	74	3.9	3	0.2	6	0.3	0	0.0	1894	100.0
Campbelltown	2289	84.5	80	3.0	194	7.2	125	4.6	7	0.3	15	0.6	0	0.0	2710	100.0
Bankstown-Lidcombe	1887	86.0	114	5.2	109	5.0	66	3.0	2	0.1	16	0.7	0	0.0	2194	100.0
Hawkesbury	677	78.0	54	6.2	113	13.0	20	2.3	3	0.3	1	0.1	0	0.0	868	100.0
Coffs Harbour	859	79.1	69	6.4	100	9.2	54	5.0	2	0.2	2	0.2	0	0.0	1086	100.0
Grafton Base	326	66.0	101	20.4	32	6.5	31	6.3	4	0.8	0	0.0	0	0.0	494	100.0
Tamworth Base	586	69.4	46	5.5	115	13.6	85	10.1	9	1.1	3	0.4	0	0.0	844	100.0
Manning Base	617	81.2	14	1.8	79	10.4	49	6.4	1	0.1	0	0.0	0	0.0	760	100.0
Dubbo Base	949	77.7	42	3.4	143	11.7	80	6.6	3	0.2	4	0.3	0	0.0	1221	100.0
Orange Base	681	75.4	20	2.2	132	14.6	62	6.9	4	0.4	4	0.4	0	0.0	903	100.0
Goulburn Base	225	74.5	18	6.0	32	10.6	22	7.3	1	0.3	4	1.3	0	0.0	302	100.0
Shoalhaven	711	80.2	70	7.9	69	7.8	35	3.9	0	0.0	2	0.2	0	0.0	887	100.0
Griffith Base	305	73.5	21	5.1	59	14.2	26	6.3	2	0.5	2	0.5	0	0.0	415	100.0
TOTAL	17446	81.0	1051	4.9	1883	8.7	1026	4.8	49	0.2	78	0.4	0	0.0	21533	100.0
Level 3																
Blue Mountains	181	73.6	18	7.3	33	13.4	13	5.3	0	0.0	1	0.4	0	0.0	246	100.0
Kempsey	243	79.2	3	1.0	23	7.5	36	11.7	0	0.0	2	0.7	0	0.0	307	100.0
Murwillumbah	148	70.8	24	11.5	30	14.4	7	3.3	0	0.0	0	0.0	0	0.0	209	100.0
Armidale	326	72.9	11	2.5	94	21.0	16	3.6	0	0.0	0	0.0	0	0.0	447	100.0
Inverell	66	25.7	12	4.7	119	46.3	58	22.6	2	0.8	0	0.0	0	0.0	257	100.0
Mudgee	188	82.1	9	3.9	14	6.1	17	7.4	1	0.4	0	0.0	0	0.0	229	100.0
Bathurst Base	444	78.4	36	6.4	50	8.8	31	5.5	4	0.7	1	0.2	0	0.0	566	100.0
Bega	243	86.5	4	1.4	16	5.7	18	6.4	0	0.0	0	0.0	0	0.0	281	100.0
Moruya	282	86.8	10	3.1	18	5.5	15	4.6	0	0.0	0	0.0	0	0.0	325	100.0
Queanbeyan	281	90.9	4	1.3	13	4.2	10	3.2	1	0.3	0	0.0	0	0.0	309	100.0
Bowral	477	83.8	28	4.9	46	8.1	13	2.3	2	0.4	3	0.5	0	0.0	569	100.0
Broken Hill Base	177	73.1	25	10.3	27	11.2	12	5.0	0	0.0	1	0.4	0	0.0	242	100.0
Other hospitals	1833	72.0	210	8.3	380	14.9	113	4.4	2	0.1	7	0.3	0	0.0	2545	100.0
TOTAL	4889	74.8	394	6.0	863	13.2	359	5.5	12	0.2	15	0.2	0	0.0	6532	100.0
Level 2																
Wyong	201	85.9	4	1.7	16	6.8	12	5.1	0	0.0	1	0.4	0	0.0	234	100.0
Other hospitals	722	84.5	17	2.0	53	6.2	62	7.3	0	0.0	0	0.0	0	0.0	854	100.0
TOTAL	923	84.8	21	1.9	69	6.3	74	6.8	0	0.0	1	0.1	0	0.0	1088	100.0
Private																
Mater, North Sydney	1795	70.8	166	6.5	421	16.6	152	6.0	1	0.0	1	0.0	0	0.0	2536	100.0
North Shore Private	2066	77.3	262	9.8	256	9.6	83	3.1	4	0.1	0	0.0	0	0.0	2671	100.0
Sydney Adventist	1910	83.6	120	5.2	166	7.3	84	3.7	0	0.0	1	0.0	5	0.2	2286	100.0
North Gosford Private	614	72.4	73	8.6	135	15.9	25	2.9	0	0.0	1	0.1	0	0.0	848	100.0
Hurstville Private	275	28.2	440	45.1	196	20.1	62	6.4	2	0.2	0	0.0	0	0.0	975	100.0
Kareena Private	383	55.6	204	29.6	74	10.7	26	3.8	2	0.3	0	0.0	0	0.0	689	100.0
St. George Private	717	38.9	775	42.0	285	15.4	64	3.5	2	0.1	2	0.1	0	0.0	1845	100.0
Prince of Wales Private	1261	55.0	469	20.5	468	20.4	90	3.9	0	0.0	3	0.1	0	0.0	2291	100.0
Norwest Private	1077	86.8	44	3.5	83	6.7	35	2.8	1	0.1	1	0.1	0	0.0	1241	100.0
Sydney Southwest Private	781	73.1	148	13.8	98	9.2	41	3.8	0	0.0	1	0.1	0	0.0	1069	100.0
Nepean Private	618	65.7	87	9.3	184	19.6	41	4.4	8	0.9	2	0.2	0	0.0	940	100.0
Westmead Private	1946	81.3	199	8.3	152	6.4	93	3.9	0	0.0	3	0.1	0	0.0	2393	100.0
Figtree Private	318	30.8	591	57.2	105	10.2	17	1.6	1	0.1	0	0.0	1	0.1	1033	100.0
Newcastle Private	1547	81.3	74	3.9	166	8.7	111	5.8	4	0.2	1	0.1	0	0.0	1903	100.0
Calvary, Wagga Wagga	434	67.9	95	14.9	66	10.3	44	6.9	0	0.0	0	0.0	0	0.0	639	100.0
Other hospitals	189	69.7	27	10.0	43	15.9	10	3.7	2	0.7	0	0.0	0	0.0	271	100.0
TOTAL	15931	67.4	3774	16.0	2898	12.3	978	4.1	27	0.1	16	0.1	6	0.0	23630	100.0
TOTAL NSW*	71257	73.9	8746	9.1	9698	10.1	5812	6.0	597	0.6	322	0.3	7	0.0	96439	100.0

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry 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 births at home assisted by independent midwives and births at level 1 hospitals.
IPPR: intermittent positive pressure respiration.

Admission to special care or neonatal intensive care

Tables 47 shows admissions of live born babies to special care or neonatal intensive care for Local Health Districts, and Table

48 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

Table 47. Live births by admission to special care or neonatal intensive care by Local Health District of hospital, NSW 2009

Local Health District	Admission to special care or NICU							
	No		Yes		Not stated		Total	
	No.	%	No.	%	No.	%	No.	%
Sydney	5924	87.7	831	12.3	0	0.0	6755	100.0
South Western Sydney	9257	88.7	1175	11.3	0	0.0	10432	100.0
South Eastern Sydney	6574	82.4	1402	17.6	0	0.0	7976	100.0
Illawarra Shoalhaven	2737	82.3	588	17.7	0	0.0	3325	100.0
Western Sydney	7363	79.8	1860	20.2	0	0.0	9223	100.0
Nepean Blue Mountains	3741	75.9	1185	24.1	0	0.0	4926	100.0
Northern Sydney	4013	83.2	813	16.8	0	0.0	4826	100.0
Central Coast	2345	83.4	468	16.6	0	0.0	2813	100.0
Hunter New England	7271	82.5	1545	17.5	0	0.0	8816	100.0
Northern NSW	3146	84.2	587	15.7	2	0.1	3735	100.0
Mid North Coast	1930	86.8	294	13.2	0	0.0	2224	100.0
Southern NSW	1329	94.7	74	5.3	0	0.0	1403	100.0
Murrumbidgee	1685	85.0	297	15.0	0	0.0	1982	100.0
Western NSW	3030	87.9	419	12.1	0	0.0	3449	100.0
Far West	223	92.5	18	7.5	0	0.0	241	100.0
Private Hospitals	21456	91.1	2091	8.9	2	0.0	23549	100.0
TOTAL*	82184	85.8	13649	14.2	4	0.0	95837	100.0

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry 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 or neonatal intensive care, hospital and maternity service level, NSW 2009#

Maternity service level-hospital	Admission to Special Care or NICU							
	No		Yes		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Level 6								
Royal Prince Alfred	4378	86.4	687	13.6	0	0.0	5065	100.0
Royal North Shore	1814	87.0	271	13.0	0	0.0	2085	100.0
Royal Hospital for Women	3393	81.7	761	18.3	0	0.0	4154	100.0
Liverpool	2573	82.6	541	17.4	0	0.0	3114	100.0
Nepean	2621	72.3	1002	27.7	0	0.0	3623	100.0
Westmead	3664	78.5	1001	21.5	0	0.0	4665	100.0
John Hunter	2994	79.7	762	20.3	0	0.0	3756	100.0
TOTAL	21437	81.0	5025	19.0	0	0.0	26462	100.0
Level 5								
Gosford	2115	82.0	464	18.0	0	0.0	2579	100.0
St. George	2100	82.5	444	17.5	0	0.0	2544	100.0
Blacktown	2628	81.6	594	18.4	0	0.0	3222	100.0
Lismore Base	1057	79.2	277	20.8	0	0.0	1334	100.0
Tweed Heads	1261	84.0	241	16.0	0	0.0	1502	100.0
Port Macquarie Base	697	88.2	93	11.8	0	0.0	790	100.0
Wollongong	1855	78.8	499	21.2	0	0.0	2354	100.0
Maitland	1281	83.7	249	16.3	0	0.0	1530	100.0
Wagga Wagga Base	615	81.3	141	18.7	0	0.0	756	100.0
TOTAL	13609	81.9	3002	18.1	0	0.0	16611	100.0
Level 4								
Canterbury	1546	91.5	144	8.5	0	0.0	1690	100.0
Hornsby	894	76.8	270	23.2	0	0.0	1164	100.0
Manly	906	79.4	235	20.6	0	0.0	1141	100.0

Table 48. (Continued)

Maternity service level—hospital	Admission to Special Care or NICU							
	No		Yes		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Mona Vale	280	88.9	35	11.1	0	0.0	315	100.0
Sutherland	1081	84.6	197	15.4	0	0.0	1278	100.0
Auburn	1071	80.2	265	19.8	0	0.0	1336	100.0
Fairfield	1670	88.8	211	11.2	0	0.0	1881	100.0
Campbelltown	2552	94.8	139	5.2	0	0.0	2691	100.0
Bankstown-Lidcombe	1922	88.3	255	11.7	0	0.0	2177	100.0
Hawkesbury	717	82.7	150	17.3	0	0.0	867	100.0
Coffs Harbour	903	83.6	177	16.4	0	0.0	1080	100.0
Grafton Base	439	89.2	53	10.8	0	0.0	492	100.0
Tamworth Base	554	66.0	285	34.0	0	0.0	839	100.0
Manning Base	616	81.8	137	18.2	0	0.0	753	100.0
Dubbo Base	1028	84.5	189	15.5	0	0.0	1217	100.0
Orange Base	740	82.5	157	17.5	0	0.0	897	100.0
Goulburn Base	272	90.7	28	9.3	0	0.0	300	100.0
Shoalhaven	794	90.2	86	9.8	0	0.0	880	100.0
Griffith Base	289	70.0	124	30.0	0	0.0	413	100.0
TOTAL	18274	85.3	3137	14.7	0	0.0	21411	100.0
Level 3								
Blue Mountains	222	90.2	24	9.8	0	0.0	246	100.0
Kempsey	281	92.4	23	7.6	0	0.0	304	100.0
Murwillumbah	198	94.7	11	5.3	0	0.0	209	100.0
Armidale	404	90.6	42	9.4	0	0.0	446	100.0
Inverell	229	89.8	26	10.2	0	0.0	255	100.0
Mudgee	222	97.8	5	2.2	0	0.0	227	100.0
Bathurst Base	522	92.4	43	7.6	0	0.0	565	100.0
Bega	258	92.1	22	7.9	0	0.0	280	100.0
Moruya	305	95.0	16	5.0	0	0.0	321	100.0
Queanbeyan	307	99.4	2	0.6	0	0.0	309	100.0
Bowral	539	94.9	29	5.1	0	0.0	568	100.0
Broken Hill Base	223	92.5	18	7.5	0	0.0	241	100.0
Other hospitals	2439	96.0	101	4.0	1	0.0	2541	100.0
TOTAL	6149	94.4	362	5.6	1	0.0	6512	100.0
Level 2								
Wyong	230	98.3	4	1.7	0	0.0	234	100.0
Other hospitals	828	97.2	23	2.7	1	0.1	852	100.0
TOTAL	1058	97.4	27	2.5	1	0.1	1086	100.0
Private								
Mater, North Sydney	2272	89.7	260	10.3	0	0.0	2532	100.0
North Shore Private	2650	99.6	11	0.4	0	0.0	2661	100.0
Sydney Adventist	1936	85.2	337	14.8	0	0.0	2273	100.0
North Gosford Private	732	86.5	114	13.5	0	0.0	846	100.0
Hurstville Private	825	84.7	149	15.3	0	0.0	974	100.0
Kareena Private	684	99.6	3	0.4	0	0.0	687	100.0
St. George Private	1836	99.7	5	0.3	0	0.0	1841	100.0
Prince of Wales Private	2042	89.4	243	10.6	0	0.0	2285	100.0
Norwest Private	1065	86.3	169	13.7	0	0.0	1234	100.0
Sydney Southwest Private	825	77.2	243	22.8	0	0.0	1068	100.0
Nepean Private	694	74.0	244	26.0	0	0.0	938	100.0
Westmead Private	2368	99.5	12	0.5	0	0.0	2380	100.0
Figtree Private	1025	99.9	1	0.1	0	0.0	1026	100.0
Newcastle Private	1655	87.3	241	12.7	0	0.0	1896	100.0
Calvary, Wagga Wagga	581	91.2	56	8.8	0	0.0	637	100.0
Other hospitals	266	98.2	3	1.1	2	0.7	271	100.0
TOTAL	21456	91.1	2091	8.9	2	0.0	23549	100.0
TOTAL*	82184	85.8	13649	14.2	4	0.0	95837	100.0

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

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

* Total 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 hospital of birth for Local Health Districts, and Table 50 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

Table 49. Live births by type of infant feeding and Local Health District of hospital, NSW 2009

Local Health District	Full breast-feeding		Any breast-feeding		Infant formula only		Not stated		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
	Sydney	5524	81.8	765	11.3	410	6.1	56	0.8	6755
South Western Sydney	7331	70.3	1121	10.7	1925	18.5	55	0.5	10432	100.0
South Eastern Sydney	6674	83.7	665	8.3	566	7.1	71	0.9	7976	100.0
Illawarra Shoalhaven	2561	77.0	77	2.3	645	19.4	42	1.3	3325	100.0
Western Sydney	7346	79.6	680	7.4	1022	11.1	175	1.9	9223	100.0
Nepean Blue Mountains	3612	73.3	271	5.5	1004	20.4	39	0.8	4926	100.0
Northern Sydney	4286	88.8	290	6.0	217	4.5	33	0.7	4826	100.0
Central Coast	2269	80.7	85	3.0	419	14.9	40	1.4	2813	100.0
Hunter New England	6992	79.3	307	3.5	1445	16.4	72	0.8	8816	100.0
Northern NSW	3322	88.9	115	3.1	286	7.7	12	0.3	3735	100.0
Mid North Coast	1942	87.3	63	2.8	212	9.5	7	0.3	2224	100.0
Southern NSW	1214	86.5	31	2.2	154	11.0	4	0.3	1403	100.0
Murrumbidgee	1506	76.0	45	2.3	425	21.4	6	0.3	1982	100.0
Western NSW	2770	80.3	64	1.9	606	17.6	9	0.3	3449	100.0
Far West	183	75.9	12	5.0	46	19.1	0	0.0	241	100.0
Private Hospitals	19499	82.8	1831	7.8	2177	9.2	42	0.2	23549	100.0
TOTAL*	77155	80.5	6423	6.7	11559	12.1	700	0.7	95837	100.0

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

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

NICU: neonatal intensive care unit.

Table 50. Live births by type of infant feeding, hospital and maternity service level, NSW 2009#

Maternity service level-hospital	Full breast-feeding		Any breast-feeding		Infant formula only		Not stated		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
	Level 6									
Royal Prince Alfred	4162	82.2	604	11.9	255	5.0	44	0.9	5065	100.0
Royal North Shore	1795	86.1	163	7.8	116	5.6	11	0.5	2085	100.0
Royal Hospital for Women	3578	86.1	309	7.4	226	5.4	41	1.0	4154	100.0
Liverpool	2009	64.5	470	15.1	605	19.4	30	1.0	3114	100.0
Nepean	2595	71.6	229	6.3	777	21.4	22	0.6	3623	100.0
Westmead	3694	79.2	412	8.8	442	9.5	117	2.5	4665	100.0
John Hunter	2934	78.1	140	3.7	640	17.0	42	1.1	3756	100.0
Total	20767	78.5	2327	8.8	3061	11.6	307	1.2	26462	100.0
Level 5										
Gosford	2061	79.9	84	3.3	395	15.3	39	1.5	2579	100.0
St. George	1952	76.7	315	12.4	254	10.0	23	0.9	2544	100.0
Blacktown	2492	77.3	202	6.3	487	15.1	41	1.3	3222	100.0
Lismore Base	1193	89.4	60	4.5	74	5.5	7	0.5	1334	100.0
Tweed Heads	1372	91.3	22	1.5	104	6.9	4	0.3	1502	100.0
Port Macquarie Base	689	87.2	13	1.6	83	10.5	5	0.6	790	100.0
Wollongong	1763	74.9	53	2.3	507	21.5	31	1.3	2354	100.0
Maitland	1143	74.7	72	4.7	309	20.2	6	0.4	1530	100.0
Wagga Wagga Base	566	74.9	13	1.7	173	22.9	4	0.5	756	100.0
TOTAL	13231	79.7	834	5.0	2386	14.4	160	1.0	16611	100.0
Level 4										
Canterbury	1362	80.6	161	9.5	155	9.2	12	0.7	1690	100.0
Hornsby	1044	89.7	67	5.8	39	3.4	14	1.2	1164	100.0
Manly	1044	91.5	43	3.8	46	4.0	8	0.7	1141	100.0

Table 50. (Continued)

Maternity service level–hospital	Full breast-feeding				Any breast-feeding				Infant feeding		Not stated		Total	
	Full breast-feeding		Any breast-feeding		Infant formula only		Not stated		Total					
	No.	%	No.	%	No.	%	No.	%	No.	%				
Mona Vale	283	89.8	17	5.4	15	4.8	0	0.0	315	100.0				
Sutherland	1144	89.5	41	3.2	86	6.7	7	0.5	1278	100.0				
Auburn	1160	86.8	66	4.9	93	7.0	17	1.3	1336	100.0				
Fairfield	1174	62.4	347	18.4	357	19.0	3	0.2	1881	100.0				
Campbelltown	1932	71.8	139	5.2	610	22.7	10	0.4	2691	100.0				
Bankstown-Lidcombe	1742	80.0	142	6.5	284	13.0	9	0.4	2177	100.0				
Hawkesbury	668	77.0	24	2.8	168	19.4	7	0.8	867	100.0				
Coffs Harbour	942	87.2	44	4.1	92	8.5	2	0.2	1080	100.0				
Grafton Base	376	76.4	27	5.5	89	18.1	0	0.0	492	100.0				
Tamworth Base	668	79.6	27	3.2	135	16.1	9	1.1	839	100.0				
Manning Base	636	84.5	18	2.4	98	13.0	1	0.1	753	100.0				
Dubbo Base	912	74.9	22	1.8	282	23.2	1	0.1	1217	100.0				
Orange Base	747	83.3	18	2.0	132	14.7	0	0.0	897	100.0				
Goulburn Base	236	78.7	4	1.3	58	19.3	2	0.7	300	100.0				
Shoalhaven	715	81.3	24	2.7	131	14.9	10	1.1	880	100.0				
Griffith Base	318	77.0	13	3.1	81	19.6	1	0.2	413	100.0				
TOTAL	17103	79.9	1244	5.8	2951	13.8	113	0.5	21411	100.0				
Level 3														
Blue Mountains	209	85.0	11	4.5	22	8.9	4	1.6	246	100.0				
Kempsey	265	87.2	5	1.6	34	11.2	0	0	304	100.0				
Murwillumbah	192	91.9	4	1.9	12	5.7	1	0.5	209	100.0				
Armidale	387	86.8	10	2.2	45	10.1	4	0.9	446	100.0				
Inverell	194	76.1	13	5.1	45	17.6	3	1.2	255	100.0				
Mudgee	178	78.4	1	0.4	48	21.1	0	0.0	227	100.0				
Bathurst Base	490	86.7	8	1.4	62	11.0	5	0.9	565	100.0				
Bega	245	87.5	10	3.6	25	8.9	0	0.0	280	100.0				
Moruya	285	88.8	6	1.9	29	9.0	1	0.3	321	100.0				
Queanbeyan	273	88.3	7	2.3	28	9.1	1	0.3	309	100.0				
Bowral	473	83.3	23	4.0	69	12.1	3	0.5	568	100.0				
Broken Hill Base	183	75.9	12	5.0	46	19.1	0	0.0	241	100.0				
Other hospitals	2030	79.9	65	2.6	432	17.0	14	0.6	2541	100.0				
TOTAL	5404	83.0	175	2.7	897	13.8	36	0.6	6512	100.0				
Level 2														
Wyong	208	88.9	1	0.4	24	10.3	1	0.4	234	100.0				
Other hospitals	788	92.5	9	1.1	52	6.1	3	0.4	852	100.0				
TOTAL	996	91.7	10	0.9	76	7.0	4	0.4	1086	100.0				
Private														
Mater, North Sydney	2186	86.3	246	9.7	99	3.9	1	0.0	2532	100.0				
North Shore Private	2259	84.9	238	8.9	155	5.8	9	0.3	2661	100.0				
Sydney Adventist	2005	88.2	0	0.0	262	11.5	6	0.3	2273	100.0				
North Gosford Private	753	89.0	30	3.5	63	7.4	0	0.0	846	100.0				
Hurstville Private	724	74.3	162	16.6	88	9.0	0	0.0	974	100.0				
Kareena Private	592	86.2	26	3.8	69	10.0	0	0.0	687	100.0				
St. George Private	1413	76.8	243	13.2	181	9.8	4	0.2	1841	100.0				
Prince of Wales Private	2028	88.8	146	6.4	110	4.8	1	0.0	2285	100.0				
Norwest Private	1013	82.1	65	5.3	154	12.5	2	0.2	1234	100.0				
Sydney Southwest Private	848	79.4	61	5.7	158	14.8	1	0.1	1068	100.0				
Nepean Private	698	74.4	105	11.2	133	14.2	2	0.2	938	100.0				
Westmead Private	1669	70.1	442	18.6	255	10.7	14	0.6	2380	100.0				
Figtree Private	816	79.5	29	2.8	181	17.6	0	0.0	1026	100.0				
Newcastle Private	1732	91.4	0	0.0	162	8.5	2	0.1	1896	100.0				
Calvary, Wagga Wagga	528	82.9	28	4.4	81	12.7	0	0.0	637	100.0				
Other hospitals	235	86.7	10	3.7	26	9.6	0	0.0	271	100.0				
TOTAL	19499	82.8	1831	7.8	2177	9.2	42	0.2	23549	100.0				
TOTAL NSW*	77155	80.5	6423	6.7	11559	12.1	700	0.7	95837	100.0				

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry 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 Local Health Districts, and Table 52 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2009.

Table 51. Baby discharge status by Local Health District of hospital, NSW 2009

Local Health District	Baby discharge status												Total	
	Discharged		Transferred		Stillborn		Died		Transferred and died		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney	6604	96.9	120	1.8	58	0.9	31	0.5	0	0.0	0	0.0	6813	100.0
South Western Sydney	10116	96.3	279	2.7	77	0.7	37	0.4	0	0.0	0	0.0	10509	100.0
South Eastern Sydney	7764	96.6	176	2.2	65	0.8	36	0.4	0	0.0	0	0.0	8041	100.0
Illawarra Shoalhaven	3238	96.8	75	2.2	19	0.6	12	0.4	0	0.0	0	0.0	3344	100.0
Western Sydney	8845	95.1	349	3.8	81	0.9	29	0.3	0	0.0	0	0.0	9304	100.0
Nepean Blue Mountains	4710	95.0	200	4.0	31	0.6	16	0.3	0	0.0	0	0.0	4957	100.0
Northern Sydney	4672	96.3	142	2.9	28	0.6	12	0.2	0	0.0	0	0.0	4854	100.0
Central Coast	2740	96.9	66	2.3	15	0.5	7	0.2	0	0.0	0	0.0	2828	100.0
Hunter New England	8176	92.0	600	6.8	70	0.8	40	0.5	0	0.0	0	0.0	8886	100.0
Northern NSW	3553	94.6	174	4.6	22	0.6	8	0.2	0	0.0	0	0.0	3757	100.0
Mid North Coast	2099	93.7	120	5.4	17	0.8	5	0.2	0	0.0	0	0.0	2241	100.0
Southern NSW	1371	97.2	32	2.3	8	0.6	0	0.0	0	0.0	0	0.0	1411	100.0
Murrumbidgee	1865	93.5	116	5.8	12	0.6	1	0.1	0	0.0	0	0.0	1994	100.0
Western NSW	3023	87.3	423	12.2	13	0.4	3	0.1	0	0.0	0	0.0	3462	100.0
Far West	237	97.9	4	1.7	1	0.4	0	0.0	0	0.0	0	0.0	242	100.0
Private Hospitals	23348	98.8	189	0.8	81	0.3	10	0.0	2	0.0	0	0.0	23630	100.0
TOTAL*	92521	95.9	3067	3.2	598	0.6	247	0.3	2	0.0	4	0.0	96439	100.0

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

Table 52. Baby discharge status by hospital and maternity service level, NSW 2009#

Maternity service level-hospital	Baby discharge status												TOTAL	
	Discharged		Transferred		Stillborn		Died		Transferred and died		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6														
Royal Prince Alfred	4931	96.5	104	2.0	46	0.9	30	0.6	0	0	0	0	5111	100.0
Royal North Shore	1972	93.6	104	4.9	21	1.0	9	0.4	0	0	0	0	2106	100.0
Royal Hospital for Women	4020	95.6	112	2.7	49	1.2	22	0.5	0	0	0	0	4203	100.0
Liverpool	2888	91.9	203	6.5	27	0.9	23	0.7	0	0	0	0	3141	100.0
Nepean	3445	94.3	163	4.5	30	0.8	15	0.4	0	0	0	0	3653	100.0
Westmead	4370	92.5	274	5.8	59	1.2	21	0.4	0	0	0	0	4724	100.0
John Hunter	3535	93.2	184	4.9	36	0.9	37	1.0	0	0	0	0	3792	100.0
TOTAL	25161	94.1	1144	4.3	268	1.0	157	0.6	0	0	0	0	26730	100.0
Level 5														
Gosford	2526	97.4	46	1.8	15	0.6	7	0.3	0	0	0	0	2594	100.0
St. George	2485	97.2	48	1.9	12	0.5	11	0.4	0	0	0	0	2556	100.0
Blacktown	3161	97.7	55	1.7	14	0.4	6	0.2	0	0	0	0	3236	100.0
Lismore Base	1307	97.5	23	1.7	7	0.5	4	0.3	0	0	0	0	1341	100.0
Tweed Heads	1365	90.1	133	8.8	13	0.9	4	0.3	0	0	0	0	1515	100.0
Port Macquarie Base	741	93.0	45	5.6	7	0.9	4	0.5	0	0	0	0	797	100.0
Wollongong	2292	96.9	57	2.4	12	0.5	5	0.2	0	0	0	0	2366	100.0
Maitland	1341	86.7	188	12.2	16	1.0	1	0.1	0	0	0	0	1546	100.0
Wagga Wagga Base	677	88.5	78	10.2	9	1.2	1	0.1	0	0	0	0	765	100.0
TOTAL	15895	95.1	673	4.0	105	0.6	43	0.3	0	0	0	0	16716	100.0
Level 4														
Canterbury	1673	98.3	16	0.9	12	0.7	1	0.1	0	0	0	0	1702	100.0
Hornsby	1146	98.2	15	1.3	3	0.3	3	0.3	0	0	0	0	1167	100.0
Manly	1127	98.5	14	1.2	3	0.3	0	0	0	0	0	0	1144	100.0

Table 52. (Continued)

Maternity service level–hospital	Baby discharge status													
	Discharged		Transferred		Stillborn		Died		Transferred and died		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Mona Vale	311	98.4	4	1.3	1	0.3	0	0	0	0	0	0	316	100.0
Sutherland	1259	98.2	16	1.2	4	0.3	3	0.2	0	0	0	0	1282	100.0
Auburn	1314	97.8	20	1.5	8	0.6	2	0.1	0	0	0	0	1344	100.0
Fairfield	1861	98.3	18	1.0	13	0.7	2	0.1	0	0	0	0	1894	100.0
Campbelltown	2655	98.0	30	1.1	19	0.7	6	0.2	0	0	0	0	2710	100.0
Bankstown-Lidcombe	2149	97.9	22	1.0	17	0.8	6	0.3	0	0	0	0	2194	100.0
Hawkesbury	857	98.7	9	1.0	1	0.1	1	0.1	0	0	0	0	868	100.0
Coffs Harbour	1021	94.0	58	5.3	6	0.6	1	0.1	0	0	0	0	1086	100.0
Grafton Base	486	98.4	6	1.2	2	0.4	0	0	0	0	0	0	494	100.0
Tamworth Base	701	83.1	138	16.4	5	0.6	0	0	0	0	0	0	844	100.0
Manning Base	739	97.2	14	1.8	7	0.9	0	0	0	0	0	0	760	100.0
Dubbo Base	980	80.3	236	19.3	4	0.3	1	0.1	0	0	0	0	1221	100.0
Orange Base	825	91.4	72	8.0	6	0.7	0	0	0	0	0	0	903	100.0
Goulburn Base	290	96.0	10	3.3	2	0.7	0	0	0	0	0	0	302	100.0
Shoalhaven	860	97.0	14	1.6	7	0.8	6	0.7	0	0	0	0	887	100.0
Griffith Base	403	97.1	10	2.4	2	0.5	0	0	0	0	0	0	415	100.0
TOTAL	20657	95.9	722	3.4	122	0.6	32	0.1	0	0	0	0	21533	100.0
Level 3														
Blue Mountains	236	95.9	10	4.1	0	0	0	0	0	0	0	0	246	100.0
Kempsey	291	94.8	13	4.2	3	1.0	0	0	0	0	0	0	307	100.0
Murwillumbah	205	98.1	4	1.9	0	0	0	0	0	0	0	0	209	100.0
Armidale	428	95.7	17	3.8	1	0.2	1	0.2	0	0	0	0	447	100.0
Inverell	247	96.1	7	2.7	2	0.8	1	0.4	0	0	0	0	257	100.0
Mudgee	223	97.4	4	1.7	2	0.9	0	0	0	0	0	0	229	100.0
Bathurst Base	495	87.5	68	12.0	1	0.2	2	0.4	0	0	0	0	566	100.0
Bega	276	98.2	4	1.4	1	0.4	0	0	0	0	0	0	281	100.0
Moruya	309	95.1	12	3.7	4	1.2	0	0	0	0	0	0	325	100.0
Queanbeyan	305	98.7	4	1.3	0	0	0	0	0	0	0	0	309	100.0
Bowral	562	98.8	6	1.1	1	0.2	0	0	0	0	0	0	569	100.0
Broken Hill Base	237	97.9	4	1.7	1	0.4	0	0	0	0	0	0	242	100.0
Other hospitals	2431	95.5	110	4.3	4	0.2	0	0	0	0	0	0	2545	100.0
TOTAL	6245	95.6	263	4.0	20	0.3	4	0.1	0	0	0	0	6532	100.0
Level 2														
Wyong	214	91.5	20	8.5	0	0	0	0	0	0	0	0	234	100.0
Other hospitals	819	95.9	32	3.7	2	0.2	1	0.1	0	0	0	0	854	100.0
TOTAL	1033	94.9	52	4.8	2	0.2	1	0.1	0	0	0	0	1088	100.0
Private														
Mater, North Sydney	2518	99.3	14	0.6	4	0.2	0	0	0	0	0	0	2536	100.0
North Shore Private	2638	98.8	18	0.7	10	0.4	5	0.2	0	0	0	0	2671	100.0
Sydney Adventist	2268	99.2	4	0.2	13	0.6	1	0.0	0	0	0	0	2286	100.0
North Gosford Private	840	99.1	6	0.7	2	0.2	0	0	0	0	0	0	848	100.0
Hurstville Private	957	98.2	17	1.7	1	0.1	0	0	0	0	0	0	975	100.0
Kareena Private	683	99.1	4	0.6	2	0.3	0	0	0	0	0	0	689	100.0
St. George Private	1827	99.0	13	0.7	4	0.2	1	0.1	0	0	0	0	1845	100.0
Prince of Wales Private	2277	99.4	8	0.3	6	0.3	0	0	0	0	0	0	2291	100.0
Norwest Private	1218	98.1	14	1.1	7	0.6	2	0.2	0	0	0	0	1241	100.0
Sydney Southwest Private	1062	99.3	6	0.6	1	0.1	0	0	0	0	0	0	1069	100.0
Nepean Private	921	98.0	16	1.7	2	0.2	0	0	1	0.1	0	0	940	100.0
Westmead Private	2355	98.4	25	1.0	13	0.5	0	0	0	0	0	0	2393	100.0
Figtree Private	1017	98.5	9	0.9	7	0.7	0	0	0	0	0	0	1033	100.0
Newcastle Private	1871	98.3	23	1.2	7	0.4	1	0.1	1	0.1	0	0	1903	100.0
Calvary, Wagga Wagga	632	98.9	5	0.8	2	0.3	0	0	0	0	0	0	639	100.0
Other hospitals	264	97.4	7	2.6	0	0	0	0	0	0	0	0	271	100.0
TOTAL	23348	98.8	189	0.8	81	0.3	10	0.0	2	0.0	0	0	23630	100.0
TOTAL NSW*	92521	95.9	3067	3.2	598	0.6	247	0.3	2	0.0	4	0.0	96439	100.0

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry 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 births at home assisted by independent midwives and births 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 2009.

Table 53. Average maternal postnatal length of stay in hospital of birth, NSW 2007-2009#

Local Health District–hospital	Average postnatal length of stay (days)			Local Health District–hospital	Average postnatal length of stay (days)		
	2007	2008	2009		2007	2008	2009
Sydney				Northern NSW			
Canterbury	3.1	2.9	2.8	Grafton Base	3.7	3.5	3.6
Royal Prince Alfred	3.6	3.5	3.4	Lismore Base	3.3	3.1	3.2
TOTAL	3.4	3.4	3.2	Murwillumbah	3.5	3.2	3.2
South Western Sydney				Tweed Heads	2.7	2.7	2.7
Fairfield	2.6	2.5	2.5	Other hospitals	3.0	1.0	0.0
Liverpool	3.0	3.0	2.9	TOTAL	3.1	3.0	3.0
Campbelltown	2.7	2.7	2.5	Mid North Coast			
Bankstown-Lidcombe	2.9	2.6	2.5	Coffs Harbour	3.7	3.8	3.7
Bowral	2.6	2.8	2.8	Kempsey	3.1	2.9	2.8
Other hospitals	0.0	7.0	0.0	Port Macquarie Base	3.4	3.2	3.3
TOTAL	2.8	2.7	2.7	Other hospitals	4.4	2.3	2.4
South Eastern Sydney				TOTAL	3.5	3.4	3.4
St. George	3.5	3.1	2.7	Southern NSW			
Sutherland	2.9	2.8	2.7	Bega	2.4	2.3	2.1
Royal Hospital for Women	3.5	3.9	3.7	Goulburn Base	3.3	3.3	3.3
TOTAL	3.4	3.5	3.2	Moruya	2.6	2.6	2.7
Illawarra Shoalhaven				Queanbeyan	3.3	3.3	3.7
Shoalhaven	2.8	2.6	2.5	Other hospitals	0.0	0.0	0.0
Wollongong	2.8	2.8	2.7	TOTAL	3.1	3.0	3.0
Other hospitals	2.0	0.0	0.0	Murrumbidgee			
TOTAL	2.8	2.8	2.6	Griffith Base	3.3	3.1	2.9
Western Sydney				Wagga Wagga Base	2.8	2.8	2.4
Auburn	2.6	2.0	2.0	Other hospitals	1.7	0.0	0.0
Blacktown	2.9	2.8	2.7	TOTAL	3.3	3.1	2.9
Westmead	2.7	2.6	2.4	Western NSW			
TOTAL	2.8	2.6	2.4	Dubbo Base	2.9	2.8	2.6
Nepean Blue Mountains				Mudgee	2.9	3.1	2.5
Blue Mountains	3.3	3.4	3.4	Bathurst Base	3.2	2.9	2.7
Nepean	2.9	2.6	2.4	Orange Base	3.3	3.4	2.9
Hawkesbury	3.2	3.2	3.2	Other hospitals	3.7	2.0	0.9
Lithgow	3.0	2.9	3.2	TOTAL	3.2	3.0	2.7
TOTAL	2.9	2.8	2.6	Far West			
Northern Sydney				Broken Hill Base	3.5	3.3	3.5
Hornsby	2.5	2.5	2.4	TOTAL	3.5	3.3	3.5
Manly	2.9	3.1	2.7	Private Hospitals			
Mona Vale	2.6	2.7	2.5	Mater, North Sydney	4.6	4.5	4.5
Royal North Shore	3.1	3.0	2.8	North Shore Private	4.4	4.5	4.4
Ryde	0.5	0.9	0.4	Sydney Adventist	4.7	4.7	4.6
TOTAL	2.8	2.8	2.6	North Gosford Private	4.6	4.8	4.6
Central Coast				Hurstville Private	4.7	4.5	4.5
Gosford	2.2	2.2	2.2	Kareena Private	4.5	4.6	4.5
Wyong	1.8	1.3	1.1	St. George Private	4.4	4.3	4.3
TOTAL	2.2	2.2	2.1	Prince of Wales Private	4.8	4.4	4.5
Hunter New England				Norwest Private	4.7	4.3	4.3
Armidale	3.4	3.3	3.1	Sydney Southwest Private	4.5	4.4	4.3
Inverell	3.5	3.0	3.1	Nepean Private	5.2	4.8	4.8
Tamworth Base	3.2	3.1	3.0	Westmead Private	4.0	3.9	3.9
Manning Base	3.3	3.1	3.1	Figtree Private	5.3	5.3	5.3
Maitland	2.5	2.4	2.5	Newcastle Private	4.1	4.1	3.9
John Hunter	3.1	3.0	2.8	Calvary, Wagga Wagga	5.0	5.0	4.5
Other hospitals	2.1	3.2	2.2	Other hospitals	4.9	4.5	4.5
TOTAL	3.0	2.8	2.8	TOTAL	4.5	4.5	4.4
				TOTAL NSW	3.4	3.3	3.2

Source: NSW Perinatal Data Collection (HOIST). Centre for Epidemiology and Research, NSW Ministry 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 2008.¹

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 37⁰ to 41⁰ weeks gestation.

Table 54 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 54. 1.1 Selected primipara who have a spontaneous vaginal birth by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	58.0	57.2	55.2	Grafton Base	57.5	55.9	57.6
Royal Prince Alfred	53.8	54.0	51.8	Lismore Base	60.3	60.0	59.2
TOTAL	54.7	54.6	52.6	Murwillumbah	61.7	63.7	87.5
South Western Sydney				Tweed Heads	65.2	66.8	67.8
Fairfield	73.5	75.8	71.2	Other hospitals	84.7	98.0	93.3
Liverpool	62.6	65.0	67.6	TOTAL	63.5	64.6	65.8
Campbelltown	67.6	66.9	64.8	Mid North Coast			
Bankstown-Lidcombe	62.1	63.6	62.2	Coffs Harbour	60.2	56.1	51.1
Bowral	48.9	55.6	52.9	Kempsey	73.5	73.8	71.2
Other hospitals	0.0	0.0	100.0	Port Macquarie Base	62.4	57.7	58.4
TOTAL	65.0	66.7	65.7	Other hospitals	100.0	100.0	75.0
South Eastern Sydney				TOTAL	63.3	59.2	56.0
St. George	57.6	50.9	55.2	Northern NSW			
Sutherland	66.2	70.3	57.4	Bega	61.5	56.3	68.4
Royal Hospital for Women	49.5	49.4	51.4	Goulburn Base	52.0	55.6	38.0
TOTAL	54.6	53.1	53.7	Moruya	58.2	53.5	54.5
Illawarra Shoalhaven				Queanbeyan	68.0	63.6	60.0
Shoalhaven	57.2	55.8	57.1	Other hospitals	67.1	69.3	75.6
Wollongong	55.9	59.8	59.0	TOTAL	61.4	60.1	57.6
Other hospitals	58.1	60.0	41.7	Murrumbidgee			
TOTAL	56.2	58.9	58.0	Griffith Base	64.2	58.6	59.4
Western Sydney				Wagga Wagga Base	54.3	49.1	51.1
Auburn	69.2	70.8	63.7	Other hospitals	49.5	52.7	51.5
Blacktown	54.8	54.4	50.7	TOTAL	54.8	52.7	53.2
Westmead	57.2	50.9	50.6	Western NSW			
TOTAL	58.4	54.8	52.4	Dubbo Base	54.8	57.1	62.2
Nepean Blue Mountains				Mudgee	56.7	57.9	64.3
Blue Mountains	55.7	47.2	51.1	Bathurst Base	64.9	66.7	59.4
Nepean	49.0	47.5	49.0	Orange Base	50.6	56.4	46.0
Hawkesbury	50.0	45.9	44.8	Other hospitals	56.5	64.8	60.0
Other hospitals	63.0	59.6	64.5	TOTAL	55.7	59.8	57.6
TOTAL	50.2	47.8	48.6	Far West			
Northern Sydney				Broken Hill Base	53.8	47.9	52.9
Hornsby	52.3	49.0	53.6	TOTAL	53.8	47.9	52.9
Manly	63.4	55.0	49.6	Private Hospitals			
Mona Vale	44.2	45.8	48.3	Mater, North Sydney	29.8	28.2	30.1
Royal North Shore	54.5	54.8	46.7	North Shore Private	33.9	31.3	36.1
Other hospitals	100.0	100.0	100.0	Sydney Adventist	44.0	42.8	47.2
TOTAL	55.0	53.6	50.2	North Gosford Private	34.1	30.7	29.8
Central Coast				Hurstville Private	35.5	36.7	39.9
Gosford	43.7	46.4	43.6	Kareena Private	21.9	20.9	35.3
Wyong	83.8	95.8	100.0	St. George Private	35.1	31.3	25.6
TOTAL	47.6	48.2	46.9	Prince of Wales Private	39.7	40.8	35.5
Hunter New England				Norwest Private	41.9	47.5	40.1
Armidale	71.6	59.5	73.5	Sydney Southwest Private	55.2	51.8	48.9
Inverell	43.1	39.2	42.3	Nepean Private	44.1	42.1	48.0
Tamworth Base	46.4	45.3	53.7	Westmead Private	43.5	40.6	39.4
Manning Base	59.7	63.0	57.3	Figtree Private	41.7	45.8	38.3
Maitland	58.0	56.0	50.2	Newcastle Private	41.8	41.7	45.8
John Hunter	60.4	59.9	59.5	Calvary, Wagga Wagga	36.8	37.1	39.2
Other hospitals	69.5	68.2	71.3	Other hospitals	31.9	43.5	34.7
TOTAL	59.8	58.9	58.6	TOTAL	38.9	38.0	38.1
				TOTAL NSW*	52.7	52.1	51.4

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes births at home 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 37⁰ to 41⁰ weeks gestation.

Table 55 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 55. 1.2 Selected primipara who undergo induction of labour by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	28.5	27.8	28.2	Grafton Base	32.5	40.5	31.4
Royal Prince Alfred	25.7	25.1	27.6	Lismore Base	33.9	24.0	25.6
TOTAL	26.3	25.6	27.8	Murwillumbah	20.2	21.6	10.0
South Western Sydney				Tweed Heads	27.8	26.6	30.6
Fairfield	23.7	19.0	23.1	Other hospitals	0.0	0.0	0.0
Liverpool	27.3	31.2	28.9	TOTAL	28.0	25.4	26.8
Campbelltown	30.6	27.3	32.2	Mid North Coast			
Bankstown-Lidcombe	33.5	28.3	33.8	Coffs Harbour	20.8	23.5	23.8
Bowral	35.1	36.8	21.4	Kempsey	8.2	31.1	23.7
Other hospitals	0.0	0.0	0.0	Port Macquarie Base	32.5	24.5	28.1
TOTAL	29.1	27.5	29.4	Other hospitals	0.0	0.0	0.0
South Eastern Sydney				TOTAL	23.9	24.4	25.1
St. George	35.1	39.7	35.9	Southern NSW			
Sutherland	30.5	29.9	37.7	Bega	33.3	27.1	29.8
Royal Hospital for Women	35.2	33.8	32.8	Goulburn Base	8.0	9.7	15.5
TOTAL	34.5	35.1	34.7	Moruya	27.8	29.6	24.7
Illawarra Shoalhaven				Queanbeyan	26.7	29.9	15.6
Shoalhaven	28.9	32.0	30.7	Other hospitals	22.0	18.7	13.3
Wollongong	39.7	43.2	43.7	TOTAL	22.6	22.7	19.7
Other hospitals	54.8	30.0	37.5	Murrumbidgee			
TOTAL	38.1	40.5	40.5	Griffith Base	19.5	15.2	24.8
Western Sydney				Wagga Wagga Base	31.4	26.0	35.1
Auburn	32.3	29.5	30.3	Other hospitals	32.4	27.3	30.7
Blacktown	43.2	40.4	43.9	TOTAL	28.9	24.0	31.1
Westmead	43.0	44.5	42.7	Western NSW			
TOTAL	41.3	41.1	41.4	Dubbo Base	31.2	34.5	29.7
Nepean Blue Mountains				Mudgee	28.3	31.6	37.5
Blue Mountains	35.4	26.4	51.1	Bathurst Base	23.9	16.7	16.9
Nepean	37.9	41.3	40.7	Orange Base	35.9	33.6	38.6
Hawkesbury	43.0	39.7	42.3	Other hospitals	35.5	27.0	26.0
Other hospitals	41.3	22.8	35.5	TOTAL	31.8	29.7	29.3
TOTAL	38.9	39.5	41.3	Far West			
Northern Sydney				Broken Hill Base	24.6	15.5	19.1
Hornsby	28.8	37.6	34.5	TOTAL	24.6	15.5	19.1
Manly	32.8	30.7	31.9	Private Hospitals			
Mona Vale	46.5	43.2	42.7	Mater, North Sydney	29.7	30.7	28.2
Royal North Shore	33.0	35.7	37.1	North Shore Private	27.2	30.3	30.6
Other hospitals	0.0	0.0	0.0	Sydney Adventist	35.8	32.0	33.9
TOTAL	33.2	35.1	34.8	North Gosford Private	31.8	29.9	30.3
Central Coast				Hurstville Private	36.2	36.3	30.5
Gosford	36.4	38.2	39.8	Kareena Private	36.3	45.0	40.6
Wyong	0.0	0.0	0.0	St. George Private	35.5	32.0	36.6
TOTAL	32.9	36.8	37.5	Prince of Wales Private	28.1	25.2	28.9
Hunter New England				Norwest Private	46.1	47.2	45.5
Armidale	33.3	35.5	33.7	Sydney Southwest Private	33.4	36.3	35.9
Inverell	31.4	33.3	51.9	Nepean Private	34.0	40.7	40.6
Tamworth Base	37.5	44.8	48.3	Westmead Private	37.2	34.3	34.4
Manning Base	23.7	33.6	37.6	Figtree Private	51.0	49.8	52.3
Maitland	39.1	40.3	38.5	Newcastle Private	30.1	33.3	30.3
John Hunter	28.5	34.0	34.2	Calvary, Wagga Wagga	27.1	26.9	26.7
Other hospitals	23.8	26.8	27.5	Other hospitals	33.3	37.1	36.1
TOTAL	30.8	35.0	36.2	TOTAL	33.9	33.9	34.0
				TOTAL NSW*	32.8	33.0	33.8

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes births at home 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 37⁰ to 41⁰ weeks gestation.

Table 56 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 56. 1.3 Selected primipara who undergo an instrumental vaginal birth by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	22.1	26.1	24.0	Grafton Base	17.5	17.1	17.8
Royal Prince Alfred	22.7	20.5	22.7	Lismore Base	12.4	13.2	15.8
TOTAL	22.6	21.7	23.0	Murwillumbah	11.7	17.6	7.5
South Western Sydney				Tweed Heads	15.8	15.6	13.4
Fairfield	11.9	11.2	16.6	Other hospitals	15.3	2.0	6.7
Liverpool	19.8	15.6	16.7	TOTAL	14.4	14.5	14.2
Campbelltown	9.7	12.8	14.2	Mid North Coast			
Bankstown-Lidcombe	21.4	20.9	21.3	Coffs Harbour	16.3	18.6	23.4
Bowral	30.5	29.2	27.9	Kempsey	6.1	3.3	10.2
Other hospitals	0.0	0.0	0.0	Port Macquarie Base	17.3	22.1	20.0
TOTAL	17.0	16.0	17.5	Other hospitals	0.0	0.0	25.0
South Eastern Sydney				TOTAL	15.3	18.0	20.8
St. George	23.6	25.6	24.4	Southern NSW			
Sutherland	16.4	16.4	25.8	Bega	10.3	25.0	8.8
Royal Hospital for Women	26.0	26.1	27.1	Goulburn Base	18.7	26.4	32.4
TOTAL	23.8	24.5	26.0	Moruya	21.5	25.4	20.8
Illawarra Shoalhaven				Queanbeyan	18.7	23.4	26.7
Shoalhaven	15.7	17.1	20.0	Other hospitals	13.4	12.0	11.1
Wollongong	20.3	20.2	18.1	TOTAL	17.1	22.2	21.5
Other hospitals	22.6	35.0	37.5	Murrumbidgee			
TOTAL	19.5	19.9	19.1	Griffith Base	23.6	19.2	17.8
Western Sydney				Wagga Wagga Base	20.0	22.5	20.7
Auburn	13.7	14.9	17.9	Other hospitals	23.5	20.6	19.0
Blacktown	20.0	22.5	25.7	TOTAL	22.3	21.0	19.4
Westmead	22.0	27.1	24.8	Western NSW			
TOTAL	20.0	23.9	24.1	Dubbo Base	17.6	17.5	17.8
Nepean Blue Mountains				Mudgee	26.7	23.7	16.1
Blue Mountains	22.8	18.9	17.8	Bathurst Base	7.5	14.6	13.8
Nepean	22.1	22.8	21.9	Orange Base	21.2	20.0	23.8
Hawkesbury	15.2	16.3	22.6	Other hospitals	16.9	11.5	6.0
Other hospitals	10.9	10.5	9.7	TOTAL	17.5	17.3	16.8
TOTAL	20.4	20.9	21.5	Far West			
Northern Sydney				Broken Hill Base	12.3	14.1	10.3
Hornsby	24.0	20.4	23.3	TOTAL	12.3	14.1	10.3
Manly	18.8	23.0	26.2	Private Hospitals			
Mona Vale	35.0	28.1	28.1	Mater, North Sydney	35.9	35.9	30.9
Royal North Shore	19.5	18.3	23.3	North Shore Private	28.1	29.2	25.9
Other hospitals	0.0	0.0	0.0	Sydney Adventist	22.1	27.8	25.2
TOTAL	22.1	20.4	23.7	North Gosford Private	22.4	21.2	24.1
Central Coast				Hurstville Private	29.1	34.2	24.0
Gosford	21.0	22.1	22.6	Kareena Private	33.6	40.3	27.1
Wyong	10.3	4.2	0.0	St. George Private	29.6	34.8	32.4
TOTAL	20.0	21.4	21.3	Prince of Wales Private	24.6	23.0	26.2
Hunter New England				Norwest Private	35.6	30.2	29.4
Armidale	11.8	15.7	8.4	Sydney Southwest Private	22.1	23.7	27.1
Inverell	19.6	19.6	25.0	Nepean Private	26.5	27.5	22.1
Tamworth Base	31.3	27.9	32.0	Westmead Private	28.7	27.0	28.6
Manning Base	21.6	16.4	20.4	Figtree Private	31.1	31.6	27.7
Maitland	19.4	16.8	18.1	Newcastle Private	24.5	28.8	25.9
John Hunter	22.2	23.1	20.0	Calvary, Wagga Wagga	33.3	29.3	33.5
Other hospitals	17.8	14.6	12.0	Other hospitals	34.8	29.0	40.3
TOTAL	21.4	20.0	19.5	TOTAL	28.2	29.3	27.6
				TOTAL NSW*	22.3	22.7	22.8

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes births at home 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 37⁰ to 41⁰ weeks gestation.

Table 57 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 57. 1.4 Selected primipara undergoing caesarean section by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	19.9	16.7	20.8	Grafton Base	25.0	27.0	24.6
Royal Prince Alfred	23.3	25.5	25.4	Lismore Base	27.0	26.8	25.0
TOTAL	22.6	23.6	24.4	Murwillumbah	26.6	18.6	5.0
South Western Sydney				Tweed Heads	19.0	17.3	18.7
Fairfield	14.7	13.0	12.2	Other hospitals	0.0	0.0	0.0
Liverpool	17.6	19.4	15.7	TOTAL	22.0	20.9	20.0
Campbelltown	22.8	20.3	21.0	Mid North Coast			
Bankstown-Lidcombe	16.5	15.3	16.5	Coffs Harbour	23.5	25.3	25.5
Bowral	20.1	15.2	19.3	Kempsey	20.4	21.3	18.6
Other hospitals	0.0	0.0	0.0	Port Macquarie Base	20.3	20.2	21.6
TOTAL	18.0	17.2	16.8	Other hospitals	0.0	0.0	0.0
South Eastern Sydney				TOTAL	21.4	22.6	23.2
St. George	18.8	23.5	20.3	Southern NSW			
Sutherland	17.4	13.3	16.7	Bega	28.2	18.8	22.8
Royal Hospital for Women	24.5	24.5	21.5	Goulburn Base	29.3	18.1	29.6
TOTAL	21.6	22.5	20.2	Moruya	20.3	21.1	24.7
Illawarra Shoalhaven				Queanbeyan	13.3	13.0	13.3
Shoalhaven	27.1	27.1	22.9	Other hospitals	19.5	17.3	13.3
Wollongong	23.8	20.0	23.0	TOTAL	21.4	17.5	20.9
Other hospitals	19.4	5.0	20.8	Murrumbidgee			
TOTAL	24.3	21.2	22.9	Griffith Base	12.2	22.2	22.8
Western Sydney				Wagga Wagga Base	25.7	28.4	28.2
Auburn	17.1	14.3	18.4	Other hospitals	27.0	26.7	29.4
Blacktown	25.2	23.1	23.7	TOTAL	22.9	26.3	27.4
Westmead	20.8	22.1	24.6	Western NSW			
TOTAL	21.6	21.3	23.4	Dubbo Base	25.1	25.0	19.9
Nepean Blue Mountains				Mudgee	16.7	18.4	19.6
Blue Mountains	21.5	34.0	31.1	Bathurst Base	27.6	18.8	26.9
Nepean	28.9	29.7	29.2	Orange Base	27.7	23.6	29.6
Hawkesbury	34.8	37.8	32.6	Other hospitals	26.6	23.8	34.0
Other hospitals	26.1	29.8	25.8	TOTAL	25.8	22.7	25.4
TOTAL	29.4	31.3	29.9	Far West			
Northern Sydney				Broken Hill Base	33.8	36.6	36.8
Hornsby	23.8	30.7	23.1	TOTAL	33.8	36.6	36.8
Manly	17.8	22.0	24.3	Private Hospitals			
Mona Vale	20.7	26.0	23.6	Mater, North Sydney	34.2	35.9	39.0
Royal North Shore	26.0	27.0	30.1	North Shore Private	37.8	39.5	37.9
Other hospitals	0.0	0.0	0.0	Sydney Adventist	33.9	29.4	27.7
TOTAL	23.0	26.0	26.0	North Gosford Private	43.1	48.1	46.1
Central Coast				Hurstville Private	35.1	29.1	36.1
Gosford	35.3	31.5	33.8	Kareena Private	44.5	38.7	37.2
Wyong	5.9	0.0	0.0	St. George Private	34.8	33.9	42.0
TOTAL	32.4	30.4	31.8	Prince of Wales Private	35.5	36.0	38.3
Hunter New England				Norwest Private	22.5	22.0	30.5
Armidale	16.7	24.8	18.1	Sydney Southwest Private	22.4	23.7	24.0
Inverell	37.3	41.2	32.7	Nepean Private	29.4	30.4	29.9
Tamworth Base	22.3	26.7	14.3	Westmead Private	27.6	32.3	32.1
Manning Base	18.0	20.5	22.3	Figtree Private	26.8	22.5	34.0
Maitland	22.5	27.3	31.6	Newcastle Private	33.8	29.5	28.3
John Hunter	17.4	17.0	20.5	Calvary, Wagga Wagga	29.9	33.5	27.3
Other hospitals	12.8	17.2	16.7	Other hospitals	31.9	27.4	25.0
TOTAL	18.7	21.1	21.9	TOTAL	32.7	32.6	34.2
				TOTAL NSW*	24.9	25.1	25.7

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

Hospitals with more than 200 births are identified individually.

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

Vaginal birth following caesarean section. Indicator 2.1

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

Table 58 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 58. 2.1 Vaginal delivery after previous primary caesarean section by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	16.9	12.0	15.6	Grafton Base	12.2	7.7	17.6
Royal Prince Alfred	13.5	11.0	14.3	Lismore Base	20.1	18.4	23.0
TOTAL	14.3	11.3	14.7	Murwillumbah	23.3	12.8	6.9
South Western Sydney				Tweed Heads	19.1	17.2	16.6
Fairfield	5.4	0.0	2.8	Other hospitals	100.0	0.0	100.0
Liverpool	20.5	27.7	17.1	TOTAL	19.7	16.2	18.9
Campbelltown	15.6	22.6	12.5	Mid North Coast			
Bankstown-Lidcombe	11.0	22.0	12.2	Coffs Harbour	10.0	14.6	14.7
Bowral	20.7	11.9	14.3	Kempsey	30.4	16.7	8.7
Other hospitals	15.3	20.2	12.9	Port Macquarie Base	21.3	14.8	9.7
TOTAL	18.0	17.2	16.8	Other hospitals	17.0	15.0	12.6
South Eastern Sydney				TOTAL	21.4	22.6	23.2
St. George	23.0	16.6	19.3	Southern NSW			
Sutherland	6.7	6.1	1.3	Bega	9.1	18.2	38.1
Royal Hospital for Women	8.3	9.8	10.7	Goulburn Base	26.5	30.3	22.6
TOTAL	13.1	11.5	12.6	Moruya	12.5	22.5	7.4
Illawarra Shoalhaven				Queanbeyan	5.3	16.7	14.3
Shoalhaven	6.3	3.4	11.0	Other hospitals	16.7	25.0	31.8
Wollongong	25.3	23.4	20.9	TOTAL	16.1	23.7	22.1
Other hospitals	9.1	8.3	50.0	Murrumbidgee			
TOTAL	18.3	16.7	18.0	Griffith Base	12.8	17.6	20.0
Western Sydney				Wagga Wagga Base	8.7	13.3	11.0
Auburn	4.0	1.6	3.1	Other hospitals	5.3	10.7	9.0
Blacktown	18.4	22.5	18.0	TOTAL	8.3	12.9	12.4
Westmead	20.8	16.9	17.4	Western NSW			
TOTAL	18.7	17.6	16.6	Dubbo Base	25.3	21.9	12.9
Nepean Blue Mountains				Mudgee	0.0	0.0	15.8
Blue Mountains	0.0	0.0	0.0	Bathurst Base	24.4	13.4	14.3
Nepean	14.8	16.5	17.8	Orange Base	8.9	12.4	12.3
Hawkesbury	14.1	14.7	14.6	Other hospitals	16.7	6.4	17.2
Other hospitals	15.6	16.7	13.3	TOTAL	17.4	13.8	13.8
TOTAL	14.3	15.7	16.0	Far West			
Northern Sydney				Broken Hill Base	6.5	13.8	13.0
Hornsby	9.4	11.1	9.6	TOTAL	6.5	13.8	13.0
Manly	17.3	9.0	11.3	Private Hospitals			
Mona Vale	4.2	13.0	16.0	Mater, North Sydney	3.6	3.9	4.3
Royal North Shore	11.2	9.8	9.4	North Shore Private	3.8	4.2	6.2
Other hospitals	10.4	10.6	10.3	Sydney Adventist	6.4	9.2	8.5
TOTAL	23.0	26.0	26.0	North Gosford Private	6.8	6.5	3.9
Central Coast				Hurstville Private	2.9	2.8	6.1
Gosford	5.7	8.6	7.0	Kareena Private	1.9	0.0	3.0
Wyong	100.0	0.0	0.0	St. George Private	6.4	6.5	4.0
TOTAL	6.3	8.6	7.0	Prince of Wales Private	4.8	4.3	3.4
Hunter New England				Norwest Private	11.7	10.8	11.4
Armidale	16.3	27.8	15.4	Sydney Southwest Private	5.1	5.9	3.3
Inverell	13.5	14.3	9.1	Nepean Private	10.4	11.5	5.8
Tamworth Base	13.1	8.2	23.8	Westmead Private	8.3	5.1	8.3
Manning Base	29.5	27.7	10.8	Figtree Private	6.4	7.1	5.9
Maitland	16.4	17.1	19.4	Newcastle Private	9.3	11.4	12.4
John Hunter	21.7	27.3	23.7	Calvary, Wagga Wagga	14.3	7.2	12.5
Other hospitals	20.0	14.4	14.7	Other hospitals	2.0	7.8	8.5
TOTAL	19.6	21.5	19.8	TOTAL	6.2	6.3	6.5
				TOTAL NSW*	12.3	12.5	12.0

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

Hospitals with more than 200 births are identified individually.

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

Major perineal tears and surgical repair of the perineum.

Indicator 3.1

Definition: Total number of selected primipara with an intact perineum 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 37⁰ to 41⁰ weeks gestation.

Table 59 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 59. 3.1 Selected primipara delivering vaginally with an intact perineum by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	5.0	3.2	5.0	Grafton Base	16.7	23.5	19.1
Royal Prince Alfred	4.7	6.5	5.0	Lismore Base	11.7	11.8	8.9
TOTAL	4.8	5.7	5.0	Murwillumbah	21.7	27.7	26.3
South Western Sydney				Tweed Heads	20.8	13.6	10.8
Fairfield	10.0	14.5	11.6	Other hospitals	16.9	13.7	17.8
Liverpool	7.5	9.4	8.4	TOTAL	17.2	15.6	12.3
Campbelltown	8.1	12.9	16.5	Mid North Coast			
Bankstown-Lidcombe	5.5	5.3	8.2	Coffs Harbour	18.9	17.8	11.0
Bowral	15.9	14.5	15.0	Kempsey	25.6	17.0	16.7
Other hospitals	0.0	0.0	100.0	Port Macquarie Base	20.4	19.9	20.0
TOTAL	8.3	10.7	11.5	Other hospitals	30.0	28.6	0.0
South Eastern Sydney				TOTAL	20.5	18.7	14.7
St. George	11.6	9.6	8.6	Southern NSW			
Sutherland	16.1	10.9	10.9	Bega	17.9	23.1	27.3
Royal Hospital for Women	9.1	7.1	6.2	Goulburn Base	13.2	3.4	8.0
TOTAL	11.0	8.5	7.9	Moruya	22.2	19.6	22.4
Illawarra Shoalhaven				Queanbeyan	15.4	17.9	21.8
Shoalhaven	9.9	15.2	8.9	Other hospitals	25.8	32.8	38.5
Wollongong	6.7	12.5	13.9	TOTAL	19.3	19.1	22.7
Other hospitals	28.0	10.5	15.8	Murrumbidgee			
TOTAL	8.1	13.0	12.7	Griffith Base	13.9	18.2	11.5
Western Sydney				Wagga Wagga Base	18.5	19.0	14.4
Auburn	13.6	7.7	11.1	Other hospitals	25.5	19.0	21.7
Blacktown	6.6	5.5	5.7	TOTAL	19.9	18.8	16.4
Westmead	5.2	6.5	5.2	Western NSW			
TOTAL	7.1	6.4	6.2	Dubbo Base	13.4	13.3	21.4
Nepean Blue Mountains				Mudgee	6.0	16.1	28.9
Blue Mountains	4.8	11.4	12.9	Bathurst Base	19.6	12.8	17.1
Nepean	8.0	7.9	7.9	Orange Base	18.7	16.1	12.8
Hawkesbury	13.3	10.0	5.6	Other hospitals	18.7	11.8	13.6
Other hospitals	23.5	20.0	8.7	TOTAL	16.0	14.0	18.3
TOTAL	9.3	8.9	7.7	Far West			
Northern Sydney				Broken Hill Base	23.3	22.2	25.6
Hornsby	8.2	7.1	6.4	TOTAL	23.3	22.2	25.6
Manly	8.1	6.6	8.3	Private Hospitals			
Mona Vale	14.0	12.0	14.7	Mater, North Sydney	7.3	7.6	7.0
Royal North Shore	9.2	7.5	5.3	North Shore Private	10.3	6.3	12.6
Other hospitals	8.0	17.8	9.1	Sydney Adventist	7.1	6.6	5.4
TOTAL	9.4	8.2	6.9	North Gosford Private	16.6	20.8	20.3
Central Coast				Hurstville Private	4.1	6.1	9.7
Gosford	8.4	6.8	5.3	Kareena Private	4.9	14.5	10.0
Wyong	7.8	0.0	9.3	St. George Private	12.9	6.2	7.5
TOTAL	8.4	6.4	5.7	Prince of Wales Private	12.5	12.1	13.3
Hunter New England				Norwest Private	9.8	12.6	12.5
Armidale	20.0	16.5	14.7	Sydney Southwest Private	12.0	12.0	6.8
Inverell	15.6	20.0	14.3	Nepean Private	5.4	11.6	10.7
Tamworth Base	13.8	4.8	7.5	Westmead Private	7.1	7.8	9.7
Manning Base	19.3	11.2	13.1	Figtree Private	5.9	10.7	10.1
Maitland	9.0	9.3	6.5	Newcastle Private	11.8	17.6	18.4
John Hunter	6.9	5.0	6.0	Calvary, Wagga Wagga	10.9	11.7	4.7
Other hospitals	16.2	13.8	8.8	Other hospitals	8.7	6.7	11.1
TOTAL	11.1	8.5	7.7	TOTAL	9.4	10.0	10.4
				TOTAL NSW*	10.0	9.8	9.6

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes births at home 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 37⁰ to 41⁰ weeks gestation.

Table 60 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 60. 3.2 Selected primipara undergoing episiotomy and no perineal tear by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	17.3	19.8	29.8	Grafton Base	18.9	21.0	22.5
Royal Prince Alfred	16.6	17.4	16.6	Lismore Base	17.5	12.2	18.1
TOTAL	16.8	17.9	19.7	Murwillumbah	8.7	16.9	10.5
South Western Sydney				Tweed Heads	18.5	14.0	14.9
Fairfield	32.6	21.2	30.5	Other hospitals	11.9	7.8	15.6
Liverpool	33.5	31.3	28.7	TOTAL	16.8	14.1	16.6
Campbelltown	16.9	19.2	20.3	Mid North Coast			
Bankstown-Lidcombe	29.2	30.2	32.3	Coffs Harbour	11.2	15.0	24.3
Bowral	13.0	15.9	18.6	Kempsey	7.7	8.5	4.2
Other hospitals	0.0	0.0	0.0	Port Macquarie Base	17.2	19.9	16.6
TOTAL	27.7	25.1	27.2	Other hospitals	0.0	14.3	0.0
South Eastern Sydney				TOTAL	13.1	16.2	18.9
St. George	14.1	14.5	19.4	Southern NSW			
Sutherland	9.3	8.0	16.8	Bega	10.7	7.7	13.6
Royal Hospital for Women	26.3	27.5	27.0	Goulburn Base	50.9	66.1	74.0
TOTAL	19.6	20.0	22.6	Moruya	15.9	19.6	20.7
Illawarra Shoalhaven				Queanbeyan	10.8	7.5	10.3
Shoalhaven	18.2	18.2	18.4	Other hospitals	7.6	11.5	2.6
Wollongong	18.5	12.7	14.1	TOTAL	18.9	23.0	23.8
Other hospitals	8.0	10.5	10.5	Murrumbidgee			
TOTAL	18.1	13.8	15.0	Griffith Base	23.1	20.8	20.5
Western Sydney				Wagga Wagga Base	18.5	19.0	20.0
Auburn	19.2	19.3	24.8	Other hospitals	22.1	21.5	27.0
Blacktown	32.8	26.1	26.6	TOTAL	21.2	20.4	22.6
Westmead	34.3	36.6	34.7	Western NSW			
TOTAL	31.2	30.6	30.7	Dubbo Base	32.2	34.0	23.1
Nepean Blue Mountains				Mudgee	30.0	24.2	8.9
Blue Mountains	8.1	11.4	9.7	Bathurst Base	8.2	17.1	20.5
Nepean	25.0	24.9	21.3	Orange Base	14.5	14.3	15.0
Hawkesbury	14.7	16.2	22.4	Other hospitals	17.6	12.9	7.6
Other hospitals	32.4	25.0	30.4	TOTAL	21.1	21.5	18.0
TOTAL	22.3	22.9	21.3	Far West			
Northern Sydney				Broken Hill Base	16.3	17.8	16.3
Hornsby	22.3	18.6	21.5	TOTAL	16.3	17.8	16.3
Manly	11.2	17.8	14.4	Private Hospitals			
Mona Vale	10.5	9.9	8.8	Mater, North Sydney	40.5	45.2	43.6
Royal North Shore	13.4	20.9	24.0	North Shore Private	42.9	46.8	38.7
Other hospitals	0.0	2.2	0.0	Sydney Adventist	37.3	36.9	34.6
TOTAL	14.4	17.7	19.6	North Gosford Private	31.7	25.8	25.2
Central Coast				Hurstville Private	43.9	44.2	36.1
Gosford	11.4	9.8	13.2	Kareena Private	45.7	38.5	32.3
Wyong	7.8	4.2	4.7	St. George Private	24.7	36.0	32.0
TOTAL	10.9	9.5	12.5	Prince of Wales Private	34.7	32.9	34.4
Hunter New England				Norwest Private	39.2	33.3	27.5
Armidale	20.0	17.6	19.1	Sydney Southwest Private	43.1	45.6	46.8
Inverell	53.1	46.7	48.6	Nepean Private	52.4	48.9	47.7
Tamworth Base	31.0	31.7	17.8	Westmead Private	51.2	50.9	49.8
Manning Base	10.5	12.9	12.3	Figtree Private	48.9	51.5	53.5
Maitland	14.4	10.3	12.2	Newcastle Private	32.2	26.0	22.4
John Hunter	11.1	13.4	14.9	Calvary, Wagga Wagga	27.7	20.7	29.7
Other hospitals	16.5	11.9	11.6	Other hospitals	30.4	48.9	44.4
TOTAL	15.8	14.8	15.0	TOTAL	39.7	40.0	37.8
				TOTAL NSW*	24.9	25.0	25.4

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes births at home 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 37⁰ to 41⁰ weeks gestation.

Table 61 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 61. 3.3 Selected primipara sustaining a perineal tear and no episiotomy by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	65.7	63.7	54.9	Grafton Base	53.3	49.4	51.7
Royal Prince Alfred	70.6	69.0	72.4	Lismore Base	64.6	66.8	68.4
TOTAL	69.5	67.8	68.3	Murwillumbah	59.4	48.2	55.3
South Western Sydney				Tweed Heads	54.5	62.8	66.1
Fairfield	52.3	60.2	52.7	Other hospitals	64.4	76.5	64.4
Liverpool	51.1	49.0	51.5	TOTAL	58.7	61.9	64.5
Campbelltown	68.2	60.0	56.4	Mid North Coast			
Bankstown-Lidcombe	57.2	57.8	49.1	Coffs Harbour	53.8	57.7	51.9
Bowral	67.4	62.1	63.7	Kempsey	66.7	70.2	70.8
Other hospitals	0.0	0.0	0.0	Port Macquarie Base	54.8	54.8	57.2
TOTAL	57.2	56.7	53.0	Other hospitals	70.0	57.1	100.0
South Eastern Sydney				TOTAL	56.0	58.0	56.5
St. George	64.4	64.6	59.8	Southern NSW			
Sutherland	70.5	73.7	66.2	Bega	67.9	64.1	47.7
Royal Hospital for Women	57.4	58.2	58.4	Goulburn Base	28.3	22.0	14.0
TOTAL	61.8	62.9	60.3	Moruya	58.7	51.8	50.0
Illawarra Shoalhaven				Queanbeyan	69.2	68.7	59.0
Shoalhaven	66.1	59.1	62.0	Other hospitals	59.1	55.7	59.0
Wollongong	70.6	68.4	64.9	TOTAL	56.4	52.1	46.8
Other hospitals	44.0	57.9	63.2	Murrumbidgee			
TOTAL	68.7	66.2	64.2	Griffith Base	58.3	50.6	62.8
Western Sydney				Wagga Wagga Base	52.3	52.9	57.6
Auburn	55.5	63.3	53.7	Other hospitals	47.0	50.4	43.5
Blacktown	49.2	57.7	56.5	TOTAL	51.9	51.4	53.8
Westmead	47.8	45.4	46.4	Western NSW			
TOTAL	49.5	52.0	50.7	Dubbo Base	45.0	43.1	45.0
Nepean Blue Mountains				Mudgee	56.0	53.2	51.1
Blue Mountains	82.3	65.7	71.0	Bathurst Base	62.9	64.1	56.4
Nepean	54.9	58.7	59.6	Orange Base	50.6	58.9	51.9
Hawkesbury	63.3	64.6	57.8	Other hospitals	53.8	63.4	68.2
Other hospitals	41.2	45.0	56.5	TOTAL	51.7	55.3	51.9
TOTAL	57.8	59.3	59.6	Far West			
Northern Sydney				Broken Hill Base	58.1	57.8	53.5
Hornsby	59.3	62.1	64.6	TOTAL	58.1	57.8	53.5
Manly	72.9	67.2	63.7	Private Hospitals			
Mona Vale	68.6	71.1	73.5	Mater, North Sydney	37.4	34.4	36.6
Royal North Shore	65.0	58.8	53.3	North Shore Private	41.8	44.9	46.4
Other hospitals	92.0	80.0	90.9	Sydney Adventist	47.7	52.4	56.8
TOTAL	66.2	63.6	60.8	North Gosford Private	41.4	44.2	44.7
Central Coast				Hurstville Private	39.8	36.0	43.5
Gosford	65.8	73.4	68.0	Kareena Private	45.7	43.6	54.6
Wyong	79.7	87.5	79.1	St. George Private	56.7	53.9	56.2
TOTAL	67.7	74.1	68.9	Prince of Wales Private	47.9	47.1	40.1
Hunter New England				Norwest Private	41.2	45.2	50.2
Armidale	45.9	52.7	60.3	Sydney Southwest Private	38.2	35.1	36.8
Inverell	25.0	30.0	28.6	Nepean Private	36.3	32.6	29.9
Tamworth Base	47.1	54.0	67.2	Westmead Private	39.9	39.5	39.3
Manning Base	59.6	69.8	67.2	Figtree Private	41.6	34.7	35.4
Maitland	72.6	73.5	73.1	Newcastle Private	55.4	54.2	57.5
John Hunter	69.4	69.9	69.1	Calvary, Wagga Wagga	47.5	48.6	50.8
Other hospitals	59.2	64.6	73.5	Other hospitals	52.2	44.4	27.8
TOTAL	63.4	66.8	68.8	TOTAL	44.3	44.0	45.2
				TOTAL NSW*	56.6	57.0	56.2

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes births at home 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 37⁰ to 41⁰ weeks gestation.

Table 62 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 62. 3.4 Selected primipara undergoing episiotomy and sustaining a perineal tear by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	7.77	7.41	5.51	Grafton Base	4.44	1.23	0.00
Royal Prince Alfred	5.42	4.87	3.47	Lismore Base	5.00	5.88	3.38
TOTAL	5.95	5.45	3.94	Murwillumbah	1.45	3.61	2.63
South Western Sydney				Tweed Heads	1.98	3.65	2.44
Fairfield	3.73	1.87	3.05	Other hospitals	3.39	0.00	2.22
Liverpool	4.07	5.58	5.49	TOTAL	3.29	3.85	2.44
Campbelltown	2.32	2.62	2.08	Mid North Coast			
Bankstown-Lidcombe	4.82	5.13	6.57	Coffs Harbour	5.92	2.82	7.14
Bowral	0.00	2.07	1.77	Kempsey	0.00	4.26	6.25
Other hospitals	0.00	0.00	0.00	Port Macquarie Base	2.55	3.61	6.21
TOTAL	3.53	3.78	4.16	Other hospitals	0.00	0.00	0.00
South Eastern Sydney				TOTAL	3.73	3.23	6.63
St. George	8.24	9.95	11.42	Southern NSW			
Sutherland	2.80	3.24	4.83	Bega	0.00	2.56	6.82
Royal Hospital for Women	6.12	6.18	6.94	Goulburn Base	1.89	0.00	4.00
TOTAL	6.33	6.88	7.94	Moruya	3.17	5.36	0.00
Illawarra Shoalhaven				Queanbeyan	3.08	4.48	6.41
Shoalhaven	3.31	5.30	6.96	Other hospitals	3.03	0.00	0.00
Wollongong	2.92	5.37	5.71	TOTAL	2.55	2.48	3.72
Other hospitals	12.00	15.79	10.53	Murrumbidgee			
TOTAL	3.35	5.66	6.15	Griffith Base	0.93	2.60	3.85
Western Sydney				Wagga Wagga Base	4.62	4.96	8.00
Auburn	10.62	9.32	8.25	Other hospitals	4.03	4.96	4.35
Blacktown	10.82	10.17	10.73	TOTAL	3.36	4.39	5.66
Westmead	11.10	10.44	11.63	Western NSW			
TOTAL	10.94	10.18	10.85	Dubbo Base	6.93	4.26	6.11
Nepean Blue Mountains				Mudgee	2.00	4.84	11.11
Blue Mountains	3.23	5.71	6.45	Bathurst Base	4.12	2.56	1.71
Nepean	10.19	6.90	9.69	Orange Base	7.23	8.33	17.29
Hawkesbury	8.00	6.92	13.04	Other hospitals	6.59	6.45	6.06
Other hospitals	2.94	5.00	4.35	TOTAL	6.11	5.41	8.14
TOTAL	9.04	6.76	10.07	Far West			
Northern Sydney				Broken Hill Base	2.33	0.00	0.00
Hornsby	7.54	11.90	6.06	TOTAL	2.33	0.00	0.00
Manly	5.81	6.64	12.59	Private Hospitals			
Mona Vale	5.81	6.34	2.94	Mater, North Sydney	11.01	7.62	7.95
Royal North Shore	11.32	11.32	16.44	North Shore Private	1.88	0.63	0.90
Other hospitals	0.00	0.00	0.00	Sydney Adventist	7.84	2.73	2.59
TOTAL	8.47	9.44	11.69	North Gosford Private	9.66	5.83	4.88
Central Coast				Hurstville Private	9.94	8.63	7.41
Gosford	11.66	8.41	11.94	Kareena Private	1.23	1.71	0.77
Wyong	4.69	0.00	4.65	St. George Private	3.87	1.04	0.86
TOTAL	10.71	7.96	11.33	Prince of Wales Private	2.20	3.62	6.41
Hunter New England				Norwest Private	4.05	3.74	4.31
Armidale	5.88	10.99	5.88	Sydney Southwest Private	2.62	3.86	5.20
Inverell	6.25	3.33	8.57	Nepean Private	1.79	2.11	1.52
Tamworth Base	6.32	9.52	7.47	Westmead Private	0.73	0.38	0.52
Manning Base	3.51	4.31	4.92	Figtree Private	0.90	1.53	0.51
Maitland	3.34	5.15	7.89	Newcastle Private	0.00	0.50	0.25
John Hunter	11.08	10.54	9.14	Calvary, Wagga Wagga	7.92	9.91	13.28
Other hospitals	5.77	5.77	3.72	Other hospitals	8.70	0.00	9.26
TOTAL	7.51	8.22	7.57	TOTAL	4.13	2.92	3.40
				TOTAL NSW*	6.02	5.70	6.36

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes births at home 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 37⁰ to 41⁰ weeks gestation.

Table 63 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 63. 3.5 Selected primipara undergoing surgical repair of the perineum for third degree tear by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	9.02	6.91	2.51	Grafton Base	3.33	1.23	4.49
Royal Prince Alfred	7.84	5.24	6.04	Lismore Base	2.92	3.36	3.38
TOTAL	8.11	5.62	5.22	Murwillumbah	1.45	3.61	2.63
South Western Sydney				Tweed Heads	4.29	5.65	7.05
Fairfield	5.60	4.15	4.77	Other hospitals	0.00	1.96	0.00
Liverpool	3.74	5.74	6.19	TOTAL	3.15	3.98	5.01
Campbelltown	3.94	3.84	2.97	Mid North Coast			
Bankstown-Lidcombe	2.19	2.85	4.20	Coffs Harbour	4.73	3.76	7.14
Bowral	2.90	2.76	4.42	Kempsey	2.56	0.00	0.00
Other hospitals	0.00	0.00	0.00	Port Macquarie Base	5.10	4.82	4.83
TOTAL	3.82	4.12	4.55	Other hospitals	10.00	0.00	0.00
South Eastern Sydney				TOTAL	4.80	3.70	5.41
St. George	6.56	8.21	7.98	Southern NSW			
Sutherland	3.11	3.54	4.58	Bega	0.00	0.00	2.27
Royal Hospital for Women	3.71	6.76	7.33	Goulburn Base	7.55	6.78	8.00
TOTAL	4.58	6.68	7.01	Moruya	4.76	3.57	1.72
Illawarra Shoalhaven				Queanbeyan	1.54	2.99	3.85
Shoalhaven	3.31	2.27	1.27	Other hospitals	3.03	1.64	5.13
Wollongong	3.13	1.99	3.27	TOTAL	3.64	3.19	4.09
Other hospitals	16.00	0.00	15.79	Murrumbidgee			
TOTAL	3.67	1.99	3.15	Griffith Base	3.70	1.30	6.41
Western Sydney				Wagga Wagga Base	6.15	3.31	4.00
Auburn	4.13	5.79	1.90	Other hospitals	6.04	4.13	0.87
Blacktown	5.76	7.28	8.87	TOTAL	5.43	3.13	3.46
Westmead	4.59	5.86	3.73	Western NSW			
TOTAL	4.85	6.30	5.12	Dubbo Base	8.42	4.79	4.80
Nepean Blue Mountains				Mudgee	2.00	4.84	4.44
Blue Mountains	6.45	5.71	3.23	Bathurst Base	0.00	6.84	5.98
Nepean	4.78	3.69	5.33	Orange Base	7.23	7.74	8.27
Hawkesbury	4.00	1.54	2.48	Other hospitals	6.59	9.68	6.06
Other hospitals	2.94	2.50	0.00	TOTAL	5.94	6.69	5.93
TOTAL	4.69	3.38	4.56	Far West			
Northern Sydney				Broken Hill Base	2.33	2.22	2.33
Hornsby	6.56	8.92	5.39	TOTAL	2.33	2.22	2.33
Manly	1.94	2.90	2.88	Private Hospitals			
Mona Vale	4.65	4.93	5.88	Mater, North Sydney	3.30	3.93	4.09
Royal North Shore	8.19	10.04	10.50	North Shore Private	1.46	0.84	2.25
Other hospitals	0.00	0.00	3.03	Sydney Adventist	1.90	1.59	2.16
TOTAL	6.00	7.30	6.94	North Gosford Private	2.76	0.00	2.44
Central Coast				Hurstville Private	1.17	3.05	4.17
Gosford	7.94	6.31	7.04	Kareena Private	1.23	0.85	3.08
Wyong	1.56	0.00	0.00	St. George Private	2.84	3.11	4.61
TOTAL	7.07	5.97	6.45	Prince of Wales Private	1.47	1.93	1.19
Hunter New England				Norwest Private	4.05	3.74	3.53
Armidale	0.00	3.30	0.00	Sydney Southwest Private	3.75	1.93	1.60
Inverell	0.00	0.00	0.00	Nepean Private	1.79	2.63	1.52
Tamworth Base	5.17	6.35	4.60	Westmead Private	0.91	0.57	0.17
Manning Base	5.26	1.72	2.46	Figtree Private	0.45	1.02	0.51
Maitland	4.35	10.31	10.04	Newcastle Private	2.20	2.72	1.97
John Hunter	7.85	10.14	7.80	Calvary, Wagga Wagga	5.94	4.50	7.81
Other hospitals	3.08	4.62	2.33	Other hospitals	0.00	0.00	3.70
TOTAL	5.49	7.86	6.23	TOTAL	2.17	2.09	2.43
				TOTAL NSW*	4.48	4.73	4.75

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes births at home 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 37⁰ to 41⁰ weeks gestation.

Table 64 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 64. 3.6 Selected primipara undergoing surgical repair of the perineum for fourth degree tear by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	0.75	1.23	0.00	Grafton Base	2.22	0.00	0.00
Royal Prince Alfred	0.22	0.07	0.23	Lismore Base	0.00	0.42	0.42
TOTAL	0.34	0.34	0.17	Murwillumbah	0.00	0.00	0.00
South Western Sydney				Tweed Heads	0.33	0.00	0.00
Fairfield	0.21	0.00	0.19	Other hospitals	0.00	0.00	0.00
Liverpool	0.33	0.48	0.84	TOTAL	0.39	0.13	0.13
Campbelltown	0.70	0.35	0.00	Mid North Coast			
Bankstown-Lidcombe	0.22	0.19	0.36	Coffs Harbour	0.00	0.00	0.48
Bowral	0.00	0.69	0.00	Kempsey	0.00	0.00	0.00
Other hospitals	0.00	0.00	0.00	Port Macquarie Base	0.00	0.00	0.69
TOTAL	0.33	0.30	0.35	Other hospitals	0.00	0.00	0.00
South Eastern Sydney				TOTAL	0.00	0.00	0.49
St. George	0.84	0.47	0.78	Southern NSW			
Sutherland	0.31	0.29	0.00	Bega	0.00	0.00	0.00
Royal Hospital for Women	0.28	0.39	0.20	Goulburn Base	0.00	0.00	0.00
TOTAL	0.47	0.40	0.34	Moruya	0.00	0.00	0.00
Illawarra Shoalhaven				Queanbeyan	0.00	1.49	0.00
Shoalhaven	0.83	0.00	0.63	Other hospitals	0.00	0.00	0.00
Wollongong	0.42	0.20	0.41	TOTAL	0.00	0.35	0.00
Other hospitals	4.00	5.26	0.00	Murrumbidgee			
TOTAL	0.64	0.31	0.45	Griffith Base	0.93	0.00	0.00
Western Sydney				Wagga Wagga Base	0.00	0.83	0.00
Auburn	0.29	0.00	1.27	Other hospitals	0.67	0.00	0.87
Blacktown	0.35	0.15	0.14	TOTAL	0.52	0.31	0.31
Westmead	0.29	0.18	0.69	Western NSW			
TOTAL	0.31	0.15	0.60	Dubbo Base	0.00	0.00	0.00
Nepean Blue Mountains				Mudgee	0.00	1.61	0.00
Blue Mountains	0.00	0.00	0.00	Bathurst Base	1.03	0.00	0.00
Nepean	0.64	0.48	0.48	Orange Base	0.60	0.00	0.00
Hawkesbury	0.00	0.00	0.00	Other hospitals	0.00	0.00	0.00
Other hospitals	0.00	0.00	0.00	TOTAL	0.33	0.16	0.00
TOTAL	0.46	0.36	0.36	Far West			
Northern Sydney				Broken Hill Base	0.00	0.00	0.00
Hornsby	0.33	0.00	0.00	TOTAL	0.00	0.00	0.00
Manly	0.00	0.41	0.72	Private Hospitals			
Mona Vale	0.58	0.00	0.00	Mater, North Sydney	0.66	0.00	0.23
Royal North Shore	0.87	0.64	0.20	North Shore Private	0.21	0.00	0.45
Other hospitals	0.00	0.00	0.00	Sydney Adventist	0.24	0.23	0.22
TOTAL	0.52	0.34	0.25	North Gosford Private	0.00	0.00	0.00
Central Coast				Hurstville Private	0.58	0.00	0.00
Gosford	0.50	0.47	0.00	Kareena Private	0.00	0.00	0.00
Wyong	1.56	0.00	0.00	St. George Private	1.29	0.78	0.58
TOTAL	0.64	0.44	0.00	Prince of Wales Private	0.24	0.00	0.00
Hunter New England				Norwest Private	0.00	0.00	0.39
Armidale	0.00	0.00	0.00	Sydney Southwest Private	0.00	0.77	0.00
Inverell	0.00	0.00	0.00	Nepean Private	0.00	0.00	0.00
Tamworth Base	0.00	0.00	1.15	Westmead Private	0.37	0.00	0.17
Manning Base	0.00	0.00	0.00	Figtree Private	0.00	0.00	0.00
Maitland	0.67	0.00	0.36	Newcastle Private	0.00	0.25	1.23
John Hunter	0.70	0.14	0.67	Calvary, Wagga Wagga	0.00	0.90	3.13
Other hospitals	0.00	0.00	0.00	Other hospitals	2.17	0.00	1.85
TOTAL	0.42	0.06	0.49	TOTAL	0.33	0.17	0.39
				TOTAL NSW*	0.38	0.24	0.35

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

Hospitals with more than 200 births are identified individually.

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

General anaesthesia for caesarean section. Indicator 4.1

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

Table 65 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 65. 4.1 General anaesthesia for caesarean section by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	13.28	14.09	14.06	Grafton Base	26.67	29.25	15.83
Royal Prince Alfred	12.25	12.19	11.89	Lismore Base	4.86	6.49	6.43
TOTAL	12.45	12.53	12.36	Murwillumbah	6.03	8.33	3.70
South Western Sydney				Tweed Heads	11.15	10.76	10.31
Fairfield	50.26	43.49	36.19	Other hospitals	0.00	0.00	0.00
Liverpool	21.65	20.22	18.22	TOTAL	10.12	11.51	9.19
Campbelltown	11.73	12.82	16.10	Mid North Coast			
Bankstown-Lidcombe	22.67	20.09	15.30	Coffs Harbour	11.67	14.92	9.12
Bowral	15.67	14.71	9.35	Kempsey	8.77	10.45	16.33
Other hospitals	23.51	21.72	19.27	Port Macquarie Base	10.82	8.00	10.20
TOTAL	0.33	0.30	0.35	Other hospitals	0.00	0.0	0.0
South Eastern Sydney				TOTAL	10.98	11.75	10.14
St. George	11.32	8.29	8.59	Southern NSW			
Sutherland	6.37	8.33	10.11	Bega	22.86	8.33	15.09
Royal Hospital for Women	4.05	4.61	4.73	Goulburn Base	29.27	37.04	24.36
TOTAL	6.39	6.05	6.49	Moruya	23.17	18.68	17.20
Illawarra Shoalhaven				Queanbeyan	10.71	18.18	16.36
Shoalhaven	11.22	6.93	8.21	Other hospitals	5.80	9.23	4.88
Wollongong	12.57	9.75	10.59	TOTAL	18.83	19.76	16.88
Other hospitals	12.50	8.70	8.33	Murrumbidgee			
TOTAL	12.08	8.78	9.78	Griffith Base	18.63	18.42	12.15
Western Sydney				Wagga Wagga Base	12.74	13.40	5.68
Auburn	27.34	19.48	15.21	Other hospitals	13.36	7.01	10.95
Blacktown	17.57	18.88	13.03	TOTAL	14.12	11.92	8.94
Westmead	19.04	18.31	14.69	Western NSW			
TOTAL	19.47	18.62	14.19	Dubbo Base	25.89	24.08	20.77
Nepean Blue Mountains				Mudgee	25.42	15.00	10.42
Blue Mountains	8.06	5.08	10.67	Bathurst Base	10.92	12.27	14.97
Nepean	23.18	20.32	19.98	Orange Base	12.87	12.75	16.96
Hawkesbury	10.64	11.59	14.39	Other hospitals	28.13	23.44	24.63
Other hospitals	10.14	7.59	3.33	TOTAL	19.45	18.09	18.55
TOTAL	20.05	17.69	17.81	Far West			
Northern Sydney				Broken Hill Base	18.67	11.49	13.10
Hornsby	9.06	8.11	7.35	TOTAL	18.67	11.49	13.10
Manly	8.65	7.78	6.13	Private Hospitals			
Mona Vale	6.39	6.64	6.90	Mater, North Sydney	4.33	3.36	2.85
Royal North Shore	7.82	8.43	8.90	North Shore Private	2.48	3.62	2.73
Other hospitals	8.00	8.00	7.84	Sydney Adventist	5.98	6.77	3.77
TOTAL	0.52	0.34	0.25	North Gosford Private	5.57	5.29	18.88
Central Coast				Hurstville Private	4.49	3.51	3.90
Gosford	14.07	13.88	11.06	Kareena Private	4.85	1.77	2.60
Wyong	55.56	100.00	100.00	St. George Private	4.33	5.11	4.87
TOTAL	14.50	13.98	11.16	Prince of Wales Private	0.47	3.28	25.46
Hunter New England				Norwest Private	8.53	10.25	12.57
Armidale	4.80	8.47	10.19	Sydney Southwest Private	10.72	5.62	4.53
Inverell	4.40	1.96	1.25	Nepean Private	7.57	6.07	6.11
Tamworth Base	13.91	17.67	16.04	Westmead Private	9.03	6.60	6.30
Manning Base	23.57	19.32	22.11	Figtree Private	7.94	2.56	5.29
Maitland	11.68	14.53	12.27	Newcastle Private	6.57	4.46	3.03
John Hunter	20.59	17.83	19.27	Calvary, Wagga Wagga	2.55	3.53	5.02
Other hospitals	20.21	21.88	26.96	Other hospitals	11.90	9.62	10.34
TOTAL	16.61	16.43	17.41	TOTAL	5.25	4.76	7.49
				TOTAL NSW*	11.91	11.19	11.40

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

Hospitals with more than 200 births are identified individually.

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

Postpartum haemorrhage and blood transfusion after vaginal birth. Indicator 7.1

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

Table 66 shows aggregate information for hospitals where at least 200 mothers gave birth in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 66. 7.1 Postpartum haemorrhage and blood transfusion by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	0.08	0.08	0.24	Grafton Base	2.40	2.45	3.68
Royal Prince Alfred	0.11	0.11	0.17	Lismore Base	3.94	2.42	3.28
TOTAL	0.10	0.10	0.19	Murwillumbah	1.90	0.73	0.65
South Western Sydney				Tweed Heads	4.70	2.65	3.43
Fairfield	0.12	0.49	0.39	Other hospitals	4.80	3.41	3.03
Liverpool	0.30	0.43	0.26	TOTAL	3.86	2.41	3.23
Campbelltown	0.20	0.19	0.25	Mid North Coast			
Bankstown-Lidcombe	0.17	0.91	0.58	Coffs Harbour	2.49	3.00	2.07
Bowral	0.36	0.19	0.94	Kempsey	3.45	1.66	3.11
Other hospitals	0.00	0.00	0.00	Port Macquarie Base	2.03	2.11	2.21
TOTAL	0.22	0.47	0.39	Other hospitals	4.49	2.38	3.92
South Eastern Sydney				TOTAL	2.57	2.46	2.34
St. George	0.15	0.33	0.32	Southern NSW			
Sutherland	0.22	0.32	0.40	Bega	6.19	7.10	3.95
Royal Hospital for Women	1.03	0.74	0.79	Goulburn Base	2.38	3.24	2.68
TOTAL	0.59	0.54	0.56	Moruya	4.15	4.01	3.88
Illawarra Shoalhaven				Queanbeyan	6.38	3.51	5.91
Shoalhaven	0.19	0.36	0.33	Other hospitals	2.30	3.57	4.58
Wollongong	0.87	0.37	0.67	TOTAL	4.03	4.10	4.22
Other hospitals	0.97	0.00	0.00	Murrumbidgee			
TOTAL	0.73	0.35	0.57	Griffith Base	5.98	4.90	7.26
Western Sydney				Wagga Wagga Base	8.61	3.17	1.52
Auburn	0.17	0.35	0.74	Other hospitals	6.38	2.32	3.93
Blacktown	0.48	0.45	0.38	TOTAL	7.11	3.18	3.75
Westmead	0.13	0.48	0.34	Western NSW			
TOTAL	0.26	0.45	0.42	Dubbo Base	3.42	2.93	2.19
Nepean Blue Mountains				Mudgee	1.04	1.10	3.35
Blue Mountains	1.79	0.00	1.76	Bathurst Base	5.68	4.45	4.58
Nepean	0.43	0.44	0.44	Orange Base	2.19	3.92	1.84
Hawkesbury	0.66	0.17	0.51	Other hospitals	4.43	3.34	3.42
Other hospitals	2.47	1.96	3.88	TOTAL	3.45	3.38	2.77
TOTAL	0.65	0.45	0.65	Far West			
Northern Sydney				Broken Hill Base	4.10	7.53	4.55
Hornsby	0.56	0.11	1.30	TOTAL	4.10	7.53	4.55
Manly	0.00	0.29	0.74	Private Hospitals			
Mona Vale	0.56	0.43	0.00	Mater, North Sydney	2.72	2.74	1.92
Royal North Shore	0.26	0.39	0.61	North Shore Private	0.74	0.14	0.21
Other hospitals	0.00	0.83	0.00	Sydney Adventist	1.60	3.22	3.65
TOTAL	0.32	0.32	0.75	North Gosford Private	3.73	1.85	2.70
Central Coast				Hurstville Private	1.43	1.49	1.63
Gosford	0.48	0.45	0.49	Kareena Private	0.00	1.74	0.53
Wyong	0.39	0.68	0.43	St. George Private	0.36	0.27	0.70
TOTAL	0.47	0.47	0.48	Prince of Wales Private	2.68	2.52	2.12
Hunter New England				Norwest Private	1.41	1.10	1.36
Armidale	2.13	1.77	0.30	Sydney Southwest Private	1.62	1.84	0.69
Inverell	0.56	1.89	0.57	Nepean Private	3.64	3.28	1.40
Tamworth Base	3.49	1.50	0.80	Westmead Private	0.36	0.43	0.46
Manning Base	2.66	0.92	0.72	Figtree Private	1.81	1.28	0.16
Maitland	0.34	0.34	0.09	Newcastle Private	0.53	0.25	0.33
John Hunter	0.55	0.38	0.54	Calvary, Wagga Wagga	1.91	2.17	1.55
Other hospitals	1.78	0.78	0.58	Other hospitals	2.40	2.00	0.00
TOTAL	1.24	0.68	0.50	TOTAL	1.51	1.50	1.29
				TOTAL NSW*	1.23	1.05	1.04

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

Hospitals with more than 200 births are identified individually.

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

Intrauterine growth restriction. Indicator 8.1

Definition: Total number of deliveries with birth weight less than 2750 grams at 40⁰ weeks gestation or beyond as a percentage of the total number of deliveries at 40⁰ weeks gestation or beyond.

Table 67 shows aggregate information for hospitals where at least 200 babies were born in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 67. 8.1 Intrauterine growth restriction at 40 weeks gestation or more by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	2.59	2.21	2.04	Grafton Base	1.08	1.97	1.19
Royal Prince Alfred	1.13	1.75	1.38	Lismore Base	1.73	1.41	1.39
TOTAL	1.49	1.86	1.55	Murwillumbah	1.79	1.81	4.95
South Western Sydney				Tweed Heads	0.77	1.38	1.51
Fairfield	2.01	2.77	2.12	Other hospitals	3.01	2.56	1.32
Liverpool	2.87	2.33	2.20	TOTAL	1.44	1.61	1.58
Campbelltown	2.16	1.14	1.41	Mid North Coast			
Bankstown-Lidcombe	1.69	1.11	2.71	Coffs Harbour	1.89	1.56	0.89
Bowral	2.26	1.36	1.67	Kempsey	3.76	2.27	2.63
Other hospitals	0.00	0.00	0.00	Port Macquarie Base	2.10	2.84	2.12
TOTAL	2.23	1.77	2.04	Other hospitals	4.26	0.00	3.13
South Eastern Sydney				TOTAL	2.39	2.04	1.63
St. George	2.10	2.07	2.01	Southern NSW			
Sutherland	1.80	1.12	0.83	Bega	0.00	2.56	0.64
Royal Hospital for Women	1.49	0.78	1.39	Goulburn Base	4.19	5.88	1.79
TOTAL	1.74	1.24	1.48	Moruya	1.63	3.24	2.96
Illawarra Shoalhaven				Queanbeyan	2.58	2.61	2.66
Shoalhaven	2.28	1.83	1.01	Other hospitals	2.44	2.82	2.73
Wollongong	1.63	1.81	1.12	TOTAL	2.44	3.58	2.15
Other hospitals	3.57	0.00	0.00	Murrumbidgee			
TOTAL	1.87	1.76	1.04	Griffith Base	3.33	1.35	2.29
Western Sydney				Wagga Wagga Base	3.10	1.41	1.65
Auburn	1.98	1.90	2.04	Other hospitals	2.06	2.39	1.71
Blacktown	1.97	2.06	1.80	TOTAL	2.70	1.83	1.81
Westmead	2.16	3.52	2.75	Western NSW			
TOTAL	2.06	2.72	2.30	Dubbo Base	3.03	2.28	2.31
Nepean Blue Mountains				Mudgee	1.95	3.36	1.47
Blue Mountains	0.62	1.85	0.00	Bathurst Base	3.34	4.82	2.73
Nepean	1.53	1.55	1.34	Orange Base	2.40	1.09	2.10
Hawkesbury	1.39	0.85	1.10	Other hospitals	1.69	1.55	3.90
Other hospitals	3.30	2.35	5.80	TOTAL	2.59	2.47	2.56
TOTAL	1.52	1.48	1.37	Far West			
Northern Sydney				Broken Hill Base	2.21	4.69	6.40
Hornsby	1.81	0.67	0.80	TOTAL	2.21	4.69	6.40
Manly	1.00	0.42	0.51	Private Hospitals			
Mona Vale	2.02	0.65	0.68	Mater, North Sydney	1.59	1.29	0.85
Royal North Shore	1.70	2.38	1.62	North Shore Private	1.32	1.64	2.30
Other hospitals	2.22	1.45	0.00	Sydney Adventist	0.68	1.14	2.25
TOTAL	1.64	1.25	1.01	North Gosford Private	2.45	0.36	0.76
Central Coast				Hurstville Private	1.52	0.95	1.38
Gosford	1.51	0.85	1.00	Kareena Private	0.70	1.28	1.72
Wyong	0.66	0.00	1.34	St. George Private	2.03	1.69	1.63
TOTAL	1.41	0.79	1.04	Prince of Wales Private	2.28	1.22	1.30
Hunter New England				Norwest Private	1.21	1.96	2.37
Armidale	5.22	0.97	2.35	Sydney Southwest Private	0.95	1.00	1.24
Inverell	5.68	1.45	5.08	Nepean Private	0.64	1.27	1.67
Tamworth Base	2.26	2.23	2.71	Westmead Private	2.46	2.26	1.60
Manning Base	1.31	3.08	2.48	Figtree Private	1.18	1.17	0.41
Maitland	0.68	2.37	1.62	Newcastle Private	0.81	1.47	1.63
John Hunter	2.65	2.19	1.77	Calvary, Wagga Wagga	0.76	1.61	1.63
Other hospitals	2.95	1.27	1.42	Other hospitals	1.55	0.00	0.99
TOTAL	2.42	2.06	1.90	TOTAL	1.45	1.41	1.60
				TOTAL NSW*	1.87	1.78	1.72

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

Hospitals with more than 200 births are identified individually.

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

Apgar score. Indicator 9.1

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

Table 68 shows aggregate information for hospitals where at least 200 babies were born in 2009, totals for hospitals within each Local Health District, and the NSW total.

Table 68. 9.1 Apgar score of 7 or less in term babies by Local Health District and hospital, NSW 2007–2009#

Local Health District–hospital	2007 %	2008 %	2009 %	Local Health District–hospital	2007 %	2008 %	2009 %
Sydney				Northern NSW			
Canterbury	0.78	0.85	0.86	Grafton Base	1.25	2.24	0.43
Royal Prince Alfred	1.09	1.57	1.64	Lismore Base	1.85	0.86	1.14
TOTAL	1.02	1.40	1.43	Murwillumbah	0.82	0.83	0.00
South Western Sydney				Tweed Heads	0.43	0.42	1.28
Fairfield	1.24	1.32	2.01	Other hospitals	0.88	0.99	0.00
Liverpool	1.10	0.84	0.79	TOTAL	1.12	0.89	0.97
Campbelltown	1.07	0.92	0.87	Mid North Coast			
Bankstown-Lidcombe	0.84	0.82	0.68	Coffs Harbour	0.94	0.80	0.59
Bowral	0.75	1.91	0.91	Kempsey	2.80	2.75	0.69
Other hospitals	0.00	0.00	0.00	Port Macquarie Base	2.46	2.13	2.31
TOTAL	1.04	1.02	1.02	Other hospitals	1.19	0.00	2.04
South Eastern Sydney				TOTAL	1.79	1.52	1.24
St. George	1.31	1.32	0.60	Southern NSW			
Sutherland	0.54	0.82	0.82	Bega	0.00	0.52	0.37
Royal Hospital for Women	1.27	1.21	1.50	Goulburn Base	1.07	0.70	0.69
TOTAL	1.17	1.18	1.09	Moruya	1.78	1.45	1.29
Illawarra Shoalhaven				Queanbeyan	1.06	0.75	0.33
Shoalhaven	0.78	0.65	0.86	Other hospitals	0.00	0.35	0.00
Wollongong	0.61	1.02	1.17	TOTAL	0.89	0.80	0.59
Other hospitals	4.69	2.22	3.41	Murrumbidgee			
TOTAL	0.83	0.96	1.15	Griffith Base	1.39	1.78	1.01
Western Sydney				Wagga Wagga Base	1.65	1.22	1.44
Auburn	0.51	0.53	1.32	Other hospitals	0.96	0.88	1.14
Blacktown	1.10	1.02	0.76	TOTAL	1.30	1.19	1.22
Westmead	0.97	1.01	0.90	Western NSW			
TOTAL	0.94	0.94	0.91	Dubbo Base	1.81	1.02	1.51
Nepean Blue Mountains				Mudgee	2.03	0.42	0.90
Blue Mountains	0.35	1.06	3.02	Bathurst Base	1.16	0.71	1.30
Nepean	0.53	0.75	0.53	Orange Base	0.95	1.08	1.35
Hawkesbury	0.99	0.39	1.46	Other hospitals	1.37	0.72	0.94
Other hospitals	1.38	0.47	0.00	TOTAL	1.43	0.89	1.30
TOTAL	0.64	0.68	0.81	Far West			
Northern Sydney				Broken Hill Base	1.20	3.19	0.46
Hornsby	0.51	0.57	1.90	TOTAL	1.20	3.19	0.46
Manly	1.25	1.00	1.00	Private Hospitals			
Mona Vale	2.76	0.92	1.33	Mater, North Sydney	0.51	0.36	0.38
Royal North Shore	0.78	1.00	1.13	North Shore Private	0.51	0.39	0.61
Other hospitals	0.00	1.67	0.00	Sydney Adventist	0.82	0.67	0.23
TOTAL	1.08	0.89	1.27	North Gosford Private	0.60	0.50	0.13
Central Coast				Hurstville Private	0.73	0.58	0.77
Gosford	1.28	1.06	2.60	Kareena Private	0.19	1.53	0.63
Wyong	0.00	1.38	0.85	St. George Private	0.69	0.57	0.58
TOTAL	1.16	1.08	2.44	Prince of Wales Private	0.95	0.86	0.46
Hunter New England				Norwest Private	0.32	0.33	0.17
Armidale	1.41	0.24	1.23	Sydney Southwest Private	0.86	0.84	0.30
Inverell	0.41	1.24	0.42	Nepean Private	0.51	0.47	0.34
Tamworth Base	0.85	1.42	1.18	Westmead Private	0.81	0.86	0.62
Manning Base	1.34	1.35	1.01	Figtree Private	0.11	0.55	0.31
Maitland	1.83	2.34	1.91	Newcastle Private	0.46	0.74	0.33
John Hunter	1.77	1.90	2.39	Calvary, Wagga Wagga	1.48	0.69	0.51
Other hospitals	1.28	0.67	0.58	Other hospitals	0.70	0.40	0.76
TOTAL	1.51	1.58	1.68	TOTAL	0.64	0.63	0.44
				TOTAL NSW*	1.00	0.99	1.01

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

Hospitals with more than 200 births are identified individually.

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