

6. NSW Hospitals

Onset and augmentation of labour

Table 33 shows onset or augmentation of labour for area health services, and Table 34 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

Table 33. Onset and augmentation of labour by health area of hospital, NSW 2008

Health area	Onset and augmentation of labour																			
	Spontaneous		Spontaneous augmented with ARM		Spontaneous augmented with oxytocics/prostagland [#]		No labour		Induced oxytocics/prostaglandins		Induced – ARM only		Induced – ARM + oxytocics/prostaglandins		Induced – other ^{##}		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	8123	46.9	1223	7.1	2040	11.8	2314	13.4	1481	8.5	192	1.1	1926	11.1	33	0.2	1	0.0	17333	100.0
South Eastern Sydney/Illawarra	4694	42.2	800	7.2	957	8.6	1615	14.5	1141	10.3	217	2.0	1666	15.0	19	0.2	3	0.0	11112	100.0
Sydney West	6027	43.5	972	7.0	938	6.8	2067	14.9	1403	10.1	209	1.5	2236	16.1	11	0.1	3	0.0	13866	100.0
Northern Sydney and Central Coast	3318	42.9	473	6.1	726	9.4	1238	16.0	864	11.2	110	1.4	1005	13.0	1	0.0	0	0.0	7735	100.0
Hunter and New England	4382	49.4	391	4.4	616	6.9	1083	12.2	927	10.4	202	2.3	1248	14.1	30	0.3	0	0.0	8879	100.0
North Coast	2751	46.0	626	10.5	517	8.6	876	14.6	539	9.0	118	2.0	546	9.1	13	0.2	0	0.0	5986	100.0
Greater Southern	1623	48.0	348	10.3	211	6.2	466	13.8	335	9.9	89	2.6	297	8.8	9	0.3	0	0.0	3378	100.0
Greater Western	1635	43.9	450	12.1	274	7.4	520	14.0	271	7.3	126	3.4	439	11.8	8	0.2	3	0.1	3726	100.0
Private hospitals	6375	28.1	1785	7.9	2312	10.2	5941	26.2	1615	7.1	417	1.8	4214	18.6	40	0.2	1	0.0	22700	100.0
TOTAL*	39076	41.2	7069	7.5	8591	9.1	16120	17.0	8576	9.0	1680	1.8	13577	14.3	164	0.2	11	0.0	94864	100.0

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

May include artificial rupture of membranes.

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

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

Table 34. Onset and augmentation of labour by hospital and maternity service level, NSW 2008[#]

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 ^{###}		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6																				
Royal Prince Alfred*	2399	46.0	0	0.0	912	17.5	845	16.2	424	8.1	56	1.1	571	10.9	8	0.2	0	0.0	5215	100.0
Royal North Shore	745	37.9	119	6.1	217	11.0	369	18.8	187	9.5	37	1.9	291	14.8	0	0.0	0	0.0	1965	100.0
Royal Hospital for Women	1632	39.4	300	7.2	332	8.0	760	18.3	453	10.9	83	2.0	573	13.8	9	0.2	0	0.0	4142	100.0
Liverpool	1365	45.0	303	10.0	303	10.0	379	12.5	332	11.0	34	1.1	309	10.2	6	0.2	0	0.0	3031	100.0
Nepean	1611	44.6	211	5.8	167	4.6	597	16.5	294	8.1	72	2.0	657	18.2	6	0.2	0	0.0	3615	100.0
Westmead	1669	37.7	369	8.3	355	8.0	748	16.9	489	11.0	51	1.2	743	16.8	0	0.0	3	0.1	4427	100.0
John Hunter	1815	48.8	141	3.8	316	8.5	410	11.0	311	8.4	102	2.7	605	16.3	18	0.5	0	0.0	3718	100.0
TOTAL	11236	43.0	1443	5.5	2602	10.0	4108	15.7	2490	9.5	435	1.7	3749	14.4	47	0.2	3	0.0	26113	100.0

Table 34. (Continued)

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***		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 5																				
Gosford	1057	40.6	151	5.8	271	10.4	432	16.6	334	12.8	26	1.0	331	12.7	1	0.0	0	0.0	2603	100.0
St. George	1033	42.1	190	7.7	278	11.3	263	10.7	264	10.7	36	1.5	385	15.7	4	0.2	3	0.1	2456	100.0
Blacktown	1467	45.6	208	6.5	229	7.1	379	11.8	339	10.5	43	1.3	545	17.0	5	0.2	0	0.0	3215	100.0
Lismore Base	680	49.8	98	7.2	85	6.2	235	17.2	131	9.6	31	2.3	101	7.4	5	0.4	0	0.0	1366	100.0
Tweed Heads	541	42.5	135	10.6	166	13.0	157	12.3	100	7.9	21	1.6	150	11.8	3	0.2	0	0.0	1273	100.0
Port Macquarie Base	383	45.5	86	10.2	63	7.5	129	15.3	62	7.4	23	2.7	92	10.9	3	0.4	0	0.0	841	100.0
Wollongong	1049	43.1	183	7.5	180	7.4	255	10.5	215	8.8	58	2.4	490	20.1	6	0.2	0	0.0	2436	100.0
Maitland	789	49.7	49	3.1	118	7.4	190	12.0	207	13.1	13	0.8	214	13.5	6	0.4	0	0.0	1586	100.0
Wagga Wagga Base	282	39.5	103	14.4	49	6.9	100	14.0	44	6.2	20	2.8	109	15.3	7	1.0	0	0.0	714	100.0
Total	7281	44.2	1203	7.3	1439	8.7	2140	13.0	1696	10.3	271	1.6	2417	14.7	40	0.2	3	0.0	16490	100.0
Level 4																				
Canterbury	718	45.1	153	9.6	193	12.1	183	11.5	169	10.6	13	0.8	161	10.1	1	0.1	1	0.1	1592	100.0
Hornsby	568	44.3	90	7.0	109	8.5	204	15.9	133	10.4	15	1.2	162	12.6	0	0.0	0	0.0	1281	100.0
Manly	426	45.5	65	6.9	96	10.2	115	12.3	98	10.5	19	2.0	118	12.6	0	0.0	0	0.0	937	100.0
Mona Vale	282	41.4	20	2.9	33	4.8	118	17.3	112	16.4	13	1.9	103	15.1	0	0.0	0	0.0	681	100.0
Sutherland	561	48.4	82	7.1	132	11.4	136	11.7	99	8.5	14	1.2	134	11.6	0	0.0	0	0.0	1158	100.0
Auburn	693	50.7	114	8.3	134	9.8	136	9.9	142	10.4	6	0.4	142	10.4	0	0.0	0	0.0	1367	100.0
Campbelltown	1338	50.2	256	9.6	171	6.4	338	12.7	218	8.2	50	1.9	287	10.8	8	0.3	0	0.0	2666	100.0
Bankstown-Lidcombe	1017	46.5	210	9.6	208	9.5	285	13.0	168	7.7	18	0.8	278	12.7	4	0.2	0	0.0	2188	100.0
Hawkesbury	386	47.8	41	5.1	19	2.4	128	15.8	94	11.6	31	3.8	109	13.5	0	0.0	0	0.0	808	100.0
Coffs Harbour	406	38.2	183	17.2	96	9.0	176	16.6	68	6.4	30	2.8	102	9.6	1	0.1	0	0.0	1062	100.0
Grafton Base	184	38.8	31	6.5	46	9.7	80	16.9	80	16.9	2	0.4	50	10.5	1	0.2	0	0.0	474	100.0
Tamworth Base	338	44.1	44	5.7	31	4.0	124	16.2	96	12.5	15	2.0	117	15.3	1	0.1	0	0.0	766	100.0
Manning Base	365	50.8	30	4.2	31	4.3	100	13.9	72	10.0	18	2.5	102	14.2	1	0.1	0	0.0	719	100.0
Dubbo Base	438	37.9	149	12.9	100	8.6	159	13.7	59	5.1	62	5.4	184	15.9	4	0.3	2	0.2	1157	100.0
Orange Base	328	36.9	133	15.0	56	6.3	143	16.1	60	6.8	34	3.8	131	14.8	3	0.3	0	0.0	888	100.0
Goulburn Base	146	49.2	33	11.1	45	15.2	53	17.8	11	3.7	0	0.0	9	3.0	0	0.0	0	0.0	297	100.0
Griffith Base	231	55.0	32	7.6	26	6.2	63	15.0	29	6.9	15	3.6	23	5.5	1	0.2	0	0.0	420	100.0
TOTAL	8425	45.6	1666	9.0	1526	8.3	2541	13.8	1708	9.3	355	1.9	2212	12.0	25	0.1	3	0.0	18461	100.0
Level 3																				
Blue Mountains	114	56.4	8	4.0	10	5.0	33	16.3	13	6.4	2	1.0	22	10.9	0	0.0	0	0.0	202	100.0
Fairfield	1052	52.9	228	11.5	182	9.1	214	10.8	115	5.8	19	1.0	176	8.8	4	0.2	0	0.0	1990	100.0
Kempsey	141	45.5	36	11.6	20	6.5	39	12.6	58	18.7	4	1.3	12	3.9	0	0.0	0	0.0	310	100.0
Murwillumbah	172	46.4	19	5.1	39	10.5	60	16.2	37	10.0	7	1.9	37	10.0	0	0.0	0	0.0	371	100.0
Armidale	218	47.7	31	6.8	31	6.8	58	12.7	69	15.1	15	3.3	33	7.2	2	0.4	0	0.0	457	100.0
Inverell	59	22.6	10	3.8	29	11.1	75	28.7	32	12.3	2	0.8	54	20.7	0	0.0	0	0.0	261	100.0
Moree	95	46.3	15	7.3	17	8.3	26	12.7	28	13.7	0	0.0	24	11.7	0	0.0	0	0.0	205	100.0
Mudgee	114	47.3	20	8.3	21	8.7	32	13.3	23	9.5	3	1.2	28	11.6	0	0.0	0	0.0	241	100.0
Bathurst Base	333	56.4	57	9.7	27	4.6	84	14.2	54	9.2	10	1.7	24	4.1	1	0.2	0	0.0	590	100.0
Lithgow	87	37.5	21	9.1	24	10.3	46	19.8	32	13.8	4	1.7	18	7.8	0	0.0	0	0.0	232	100.0

Table 34. (Continued)

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***		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Bega	90	44.3	21	10.3	20	9.9	25	12.3	30	14.8	7	3.4	10	4.9	0	0.0	0	0.0	203	100.0
Cooma	137	63.4	10	4.6	14	6.5	26	12.0	8	3.7	0	0.0	20	9.3	1	0.5	0	0.0	216	100.0
Moruya	186	51.0	37	10.1	21	5.8	46	12.6	50	13.7	9	2.5	16	4.4	0	0.0	0	0.0	365	100.0
Queanbeyan	158	58.1	26	9.6	5	1.8	23	8.5	41	15.1	2	0.7	17	6.3	0	0.0	0	0.0	272	100.0
Bowral	233	35.8	73	11.2	71	10.9	70	10.8	55	8.5	2	0.3	144	22.2	2	0.3	0	0.0	650	100.0
Shoalhaven	381	46.0	43	5.2	25	3.0	185	22.3	96	11.6	23	2.8	75	9.1	0	0.0	0	0.0	828	100.0
Broken Hill Base	155	56.8	24	8.8	20	7.3	36	13.2	18	6.6	5	1.8	15	5.5	0	0.0	0	0.0	273	100.0
Other hospitals	926	46.0	214	10.6	101	5.0	259	12.9	235	11.7	70	3.5	206	10.2	1	0.0	1	0.0	2013	100.0
TOTAL	4651	48.1	893	9.2	677	7.0	1337	13.8	994	10.3	184	1.9	931	9.6	11	0.1	1	0.0	9679	100.0
Level 2																				
Singleton	109	53.2	10	4.9	8	3.9	16	7.8	30	14.6	9	4.4	23	11.2	0	0.0	0	0.0	205	100.0
Other hospitals	817	79.3	65	6.3	27	2.6	37	3.6	43	4.2	9	0.9	31	3.0	1	0.1	0	0.0	1030	100.0
TOTAL	926	75.0	75	6.1	35	2.8	53	4.3	73	5.9	18	1.5	54	4.4	1	0.1	0	0.0	1235	100.0
Private																				
Mater, North Sydney	641	27.4	207	8.8	227	9.7	745	31.8	142	6.1	69	2.9	305	13.0	5	0.2	0	0.0	2341	100.0
North Shore Private	706	26.4	240	9.0	333	12.4	754	28.2	143	5.3	74	2.8	424	15.8	4	0.1	0	0.0	2678	100.0
Sydney Adventist	1036	47.5	0	0.0	0	0.0	503	23.1	107	4.9	32	1.5	500	22.9	2	0.1	0	0.0	2180	100.0
North Gosford Private	203	23.4	57	6.6	73	8.4	303	34.9	81	9.3	16	1.8	133	15.3	2	0.2	0	0.0	868	100.0
Hurstville Community	227	25.0	77	8.5	116	12.8	249	27.4	73	8.0	11	1.2	154	17.0	1	0.1	0	0.0	908	100.0
Kareena Private	92	14.7	39	6.2	67	10.7	213	34.0	72	11.5	12	1.9	131	20.9	0	0.0	0	0.0	626	100.0
St. George Private	426	23.0	139	7.5	312	16.8	479	25.8	174	9.4	36	1.9	288	15.5	2	0.1	0	0.0	1856	100.0
Prince of Wales Private	481	23.3	284	13.7	244	11.8	604	29.2	128	6.2	47	2.3	279	13.5	0	0.0	1	0.0	2068	100.0
The Hills Private	281	22.1	99	7.8	138	10.9	233	18.4	71	5.6	26	2.0	419	33.0	2	0.2	0	0.0	1269	100.0
Sydney Southwest Private	365	32.6	66	5.9	132	11.8	250	22.3	76	6.8	13	1.2	213	19.0	4	0.4	0	0.0	1119	100.0
Nepean Private	259	29.0	88	9.9	71	8.0	195	21.9	107	12.0	21	2.4	148	16.6	3	0.3	0	0.0	892	100.0
Westmead Private	491	22.2	261	11.8	338	15.3	502	22.7	160	7.2	17	0.8	438	19.8	4	0.2	0	0.0	2211	100.0
Figtree Private	178	19.0	89	9.5	91	9.7	223	23.8	57	6.1	5	0.5	292	31.2	2	0.2	0	0.0	937	100.0
Newcastle Private	692	37.0	78	4.2	118	6.3	436	23.3	91	4.9	30	1.6	416	22.2	9	0.5	0	0.0	1870	100.0
Calvary, Wagga Wagga	222	35.6	35	5.6	28	4.5	178	28.6	108	17.3	7	1.1	45	7.2	0	0.0	0	0.0	623	100.0
Other hospitals	75	29.5	26	10.2	24	9.4	74	29.1	25	9.8	1	0.4	29	11.4	0	0.0	0	0.0	254	100.0
TOTAL	6375	28.1	1785	7.9	2312	10.2	5941	26.2	1615	7.1	417	1.8	4214	18.6	40	0.2	1	0.0	22700	100.0
TOTAL NSW**	39076	41.2	7069	7.5	8591	9.1	16120	17.0	8576	9.0	1680	1.8	13577	14.3	164	0.2	11	0.0	94864	100.0

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

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

May include artificial rupture of membranes.

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

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

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

Type of birth

Table 35 shows type of birth for area health services, and Table 36 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

Table 35. Type of birth by health area of hospital, NSW 2008

Health area	Type of birth														TOTAL	
	Normal vaginal		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section [#]		Not stated		No.	%
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	11482	66.2	432	2.5	1091	6.3	77	0.4	2314	13.4	1937	11.2	0	0.0	17333	100.0
South Eastern Sydney / Illawarra	6741	60.7	450	4.0	894	8.0	41	0.4	1615	14.5	1371	12.3	0	0.0	11112	100.0
Sydney West	8640	62.3	520	3.8	859	6.2	61	0.4	2067	14.9	1719	12.4	0	0.0	13866	100.0
Northern Sydney and Central Coast	4477	57.9	332	4.3	495	6.4	24	0.3	1238	16.0	1169	15.1	0	0.0	7735	100.0
Hunter and New England	5922	66.7	318	3.6	463	5.2	88	1.0	1083	12.2	1005	11.3	0	0.0	8879	100.0
North Coast	4019	67.1	136	2.3	272	4.5	20	0.3	876	14.6	658	11.0	5	0.1	5986	100.0
Greater Southern	2209	65.4	96	2.8	196	5.8	10	0.3	466	13.8	400	11.8	1	0.0	3378	100.0
Greater Western	2455	65.9	101	2.7	163	4.4	13	0.3	520	14.0	468	12.6	6	0.2	3726	100.0
Private hospitals	10081	44.4	1101	4.9	2397	10.6	51	0.2	5941	26.2	3127	13.8	2	0.0	22700	100.0
TOTAL*	56173	59.2	3486	3.7	6830	7.2	387	0.4	16120	17.0	11854	12.5	14	0.0	94864	100.0

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

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

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

Table 36. Type of birth by hospital and maternity service level, NSW, 2008[#]

Maternity service level–hospital	Type of birth														TOTAL	
	Normal vaginal		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section [#]		Not stated		No.	%
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Level 6																
Royal Prince Alfred	2936	56.3	235	4.5	357	6.8	22	0.4	845	16.2	820	15.7	0	0.0	5215	100.0
Royal North Shore	1067	54.3	125	6.4	76	3.9	9	0.5	369	18.8	319	16.2	0	0.0	1965	100.0
Royal Hospital for Women	2180	52.6	277	6.7	341	8.2	21	0.5	760	18.3	563	13.6	0	0.0	4142	100.0
Liverpool	2079	68.6	45	1.5	163	5.4	22	0.7	379	12.5	343	11.3	0	0.0	3031	100.0
Nepean	2130	58.9	89	2.5	251	6.9	18	0.5	597	16.5	530	14.7	0	0.0	3615	100.0
Westmead	2547	57.5	260	5.9	284	6.4	31	0.7	748	16.9	557	12.6	0	0.0	4427	100.0
John Hunter	2435	65.5	215	5.8	177	4.8	61	1.6	410	11.0	420	11.3	0	0.0	3718	100.0
TOTAL	15374	58.9	1246	4.8	1649	6.3	184	0.7	4108	15.7	3552	13.6	0	0.0	26113	100.0
Level 5																
Gosford	1455	55.9	101	3.9	196	7.5	8	0.3	432	16.6	411	15.8	0	0.0	2603	100.0
St. George	1475	60.1	83	3.4	269	11.0	14	0.6	263	10.7	352	14.3	0	0.0	2456	100.0
Blacktown	2118	65.9	116	3.6	221	6.9	8	0.2	379	11.8	373	11.6	0	0.0	3215	100.0
Lismore Base	866	63.4	37	2.7	42	3.1	5	0.4	235	17.2	181	13.3	0	0.0	1366	100.0
Tweed Heads	892	70.1	25	2.0	60	4.7	5	0.4	157	12.3	131	10.3	3	0.2	1273	100.0
Port Macquarie Base	518	61.6	34	4.0	61	7.3	3	0.4	129	15.3	96	11.4	0	0.0	841	100.0
Wollongong	1703	69.9	32	1.3	175	7.2	3	0.1	255	10.5	268	11.0	0	0.0	2436	100.0
Maitland	1045	65.9	36	2.3	88	5.5	11	0.7	190	12.0	216	13.6	0	0.0	1586	100.0
Wagga Wagga Base	437	61.2	13	1.8	54	7.6	1	0.1	100	14.0	109	15.3	0	0.0	714	100.0
TOTAL	10509	63.7	477	2.9	1166	7.1	58	0.4	2140	13.0	2137	13.0	3	0.0	16490	100.0
Level 4																
Canterbury	1058	66.5	50	3.1	120	7.5	2	0.1	183	11.5	179	11.2	0	0.0	1592	100.0
Hornsby	761	59.4	54	4.2	57	4.4	2	0.2	204	15.9	203	15.8	0	0.0	1281	100.0
Manly	557	59.4	40	4.3	81	8.6	2	0.2	115	12.3	142	15.2	0	0.0	937	100.0
Mona Vale	372	54.6	12	1.8	84	12.3	2	0.3	118	17.3	93	13.7	0	0.0	681	100.0
Sutherland	824	71.2	17	1.5	87	7.5	2	0.2	136	11.7	92	7.9	0	0.0	1158	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**		Not stated		No.	%
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Auburn	1059	77.5	26	1.9	49	3.6	2	0.1	136	9.9	95	6.9	0	0.0	1367	100.0
Campbelltown	1908	71.6	31	1.2	142	5.3	8	0.3	338	12.7	239	9.0	0	0.0	2666	100.0
Bankstown-Lidcombe	1551	70.9	37	1.7	162	7.4	10	0.5	285	13.0	143	6.5	0	0.0	2188	100.0
Hawkesbury	516	63.9	23	2.8	34	4.2	2	0.2	128	15.8	105	13.0	0	0.0	808	100.0
Coffs Harbour	678	63.8	21	2.0	65	6.1	3	0.3	176	16.6	119	11.2	0	0.0	1062	100.0
Grafton Base	298	62.9	9	1.9	19	4.0	1	0.2	80	16.9	67	14.1	0	0.0	474	100.0
Tamworth Base	440	57.4	33	4.3	58	7.6	3	0.4	124	16.2	108	14.1	0	0.0	766	100.0
Manning Base	498	69.3	4	0.6	39	5.4	2	0.3	100	13.9	76	10.6	0	0.0	719	100.0
Dubbo Base	777	67.2	34	2.9	39	3.4	2	0.2	159	13.7	140	12.1	6	0.5	1157	100.0
Orange Base	551	62.0	37	4.2	46	5.2	3	0.3	143	16.1	108	12.2	0	0.0	888	100.0
Goulburn Base	178	59.9	31	10.4	7	2.4	0	0.0	53	17.8	28	9.4	0	0.0	297	100.0
Griffith Base	269	64.0	14	3.3	21	5.0	2	0.5	63	15.0	51	12.1	0	0.0	420	100.0
TOTAL	12295	66.6	473	2.6	1110	6.0	48	0.3	2541	13.8	1988	10.8	6	0.0	18461	100.0
Level 3																
Blue Mountains	127	62.9	5	2.5	11	5.4	0	0.0	33	16.3	26	12.9	0	0.0	202	100.0
Fairfield	1538	77.3	13	0.7	72	3.6	6	0.3	214	10.8	147	7.4	0	0.0	1990	100.0
Kempsey	237	76.5	1	0.3	3	1.0	0	0.0	39	12.6	28	9.0	2	0.6	310	100.0
Murwillumbah	248	66.8	8	2.2	18	4.9	1	0.3	60	16.2	36	9.7	0	0.0	371	100.0
Armidale	308	67.4	10	2.2	19	4.2	2	0.4	58	12.7	60	13.1	0	0.0	457	100.0
Inverell	141	54.0	12	4.6	5	1.9	1	0.4	75	28.7	27	10.3	0	0.0	261	100.0
Moree	142	69.3	3	1.5	7	3.4	0	0.0	26	12.7	27	13.2	0	0.0	205	100.0
Mudgee	155	64.3	0	0	25	10.4	1	0.4	32	13.3	28	11.6	0	0.0	241	100.0
Bathurst Base	387	65.6	22	3.7	16	2.7	2	0.3	84	14.2	79	13.4	0	0.0	590	100.0
Lithgow	143	61.6	1	0.4	9	3.9	0	0.0	46	19.8	33	14.2	0	0.0	232	100.0
Bega	132	65.0	6	3.0	16	7.9	1	0.5	25	12.3	23	11.3	0	0.0	203	100.0
Cooma	153	70.8	1	0.5	8	3.7	0	0.0	26	12.0	28	13.0	0	0.0	216	100.0
Moruya	242	66.3	16	4.4	14	3.8	2	0.5	46	12.6	45	12.3	0	0.0	365	100.0
Queanbeyan	204	75.0	3	1.1	18	6.6	3	1.1	23	8.5	21	7.7	0	0.0	272	100.0
Bowral	411	63.2	21	3.2	75	11.5	7	1.1	70	10.8	66	10.2	0	0.0	650	100.0
Shoalhaven	501	60.5	35	4.2	17	2.1	1	0.1	185	22.3	89	10.7	0	0.0	828	100.0
Broken Hill Base	166	60.8	6	2.2	13	4.8	1	0.4	36	13.2	51	18.7	0	0.0	273	100.0
Other hospitals	1391	69.1	16	0.8	125	6.2	8	0.4	259	12.9	213	10.6	1	0.0	2013	100.0
TOTAL	6626	68.5	179	1.8	471	4.9	36	0.4	1337	13.8	1027	10.6	3	0.0	9679	100.0
Level 2																
Singleton	160	78.0	2	1.0	22	10.7	2	1.0	16	7.8	3	1.5	0	0.0	205	100.0
Other hospitals	945	91.7	8	0.8	15	1.5	5	0.5	37	3.6	20	1.9	0	0.0	1030	100.0
TOTAL	1105	89.5	10	0.8	37	3.0	7	0.6	53	4.3	23	1.9	0	0.0	1235	100.0
Private																
Mater, North Sydney	799	34.1	110	4.7	327	14.0	5	0.2	745	31.8	355	15.2	0	0.0	2341	100.0
North Shore Private	1042	38.9	97	3.6	319	11.9	5	0.2	754	28.2	461	17.2	0	0.0	2678	100.0
Sydney Adventist	1072	49.2	88	4.0	202	9.3	6	0.3	503	23.1	309	14.2	0	0.0	2180	100.0
North Gosford Private	346	39.9	15	1.7	72	8.3	0	0.0	303	34.9	132	15.2	0	0.0	868	100.0
Hurstville Community	385	42.4	16	1.8	137	15.1	0	0.0	249	27.4	121	13.3	0	0.0	908	100.0
Kareena Private	194	31.0	68	10.9	82	13.1	0	0.0	213	34.0	69	11.0	0	0.0	626	100.0
St. George Private	733	39.5	124	6.7	231	12.4	5	0.3	479	25.8	284	15.3	0	0.0	1856	100.0
Prince of Wales Private	852	41.2	83	4.0	215	10.4	3	0.1	604	29.2	311	15.0	0	0.0	2068	100.0
The Hills Private	712	56.1	112	8.8	78	6.1	6	0.5	233	18.4	128	10.1	0	0.0	1269	100.0
Sydney Southwest Private	626	55.9	33	2.9	99	8.8	3	0.3	250	22.3	106	9.5	2	0.2	1119	100.0
Nepean Private	461	51.7	45	5.0	72	8.1	1	0.1	195	21.9	118	13.2	0	0.0	892	100.0
Westmead Private	1083	49.0	170	7.7	143	6.5	12	0.5	502	22.7	301	13.6	0	0.0	2211	100.0
Figtree Private	469	50.1	15	1.6	138	14.7	3	0.3	223	23.8	89	9.5	0	0.0	937	100.0
Newcastle Private	915	48.9	71	3.8	210	11.2	2	0.1	436	23.3	236	12.6	0	0.0	1870	100.0
Calvary, Wagga Wagga	279	44.8	33	5.3	56	9.0	0	0.0	178	28.6	77	12.4	0	0.0	623	100.0
Other hospitals	113	44.5	21	8.3	16	6.3	0	0.0	74	29.1	30	11.8	0	0.0	254	100.0
TOTAL	10081	44.4	1101	4.9	2397	10.6	51	0.2	5941	26.2	3127	13.8	2	0.0	22700	100.0
TOTAL NSW**	56173	59.2	3486	3.7	6830	7.2	387	0.4	16120	17.0	11854	12.5	14	0.0	94864	100.0

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

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

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

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

Pain relief

Table 37 shows type of pain relief provided to women during labour or delivery for area health services, and Table 38 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

In addition to the types of pain relief shown in the tables, in 2008 a further 23,227 (24.5%) women were reported to have received local anaesthetic to the perineum, and 742 (0.8%) received a pudendal block.

Table 37. Pain relief by health area of hospital, NSW 2008

Health area	Pain relief											
	Epidural – spinal**		General anaesthetic		IM narcotics		Nitrous oxide		Nil		TOTAL*	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	5830	33.6	846	4.9	3567	20.6	7969	46.0	2614	15.1	17333	100.0
South Eastern Sydney & Illawarra	5133	46.2	265	2.4	1452	13.1	5010	45.1	1276	11.5	11112	100.0
Sydney West	5665	40.9	833	6.0	2309	16.7	6558	47.3	1085	7.8	13866	100.0
Northern Sydney & Central Coast	3489	45.1	317	4.1	1580	20.4	3334	43.1	745	9.6	7735	100.0
Hunter & New England	2708	30.5	460	5.2	1966	22.1	4181	47.1	1189	13.4	8879	100.0
North Coast	2070	34.6	187	3.1	1171	19.6	2881	48.1	1152	19.2	5986	100.0
Greater Southern	992	29.4	132	3.9	807	23.9	1794	53.1	626	18.5	3378	100.0
Greater Western	1185	31.8	179	4.8	817	21.9	1873	50.3	646	17.3	3726	100.0
Private Hospitals	15721	69.3	452	2.0	1892	8.3	7570	33.3	1001	4.4	22700	100.0
TOTAL*	42793	45.1	3671	3.9	15561	16.4	41171	43.4	10466	11.0	94864	100.0

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

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

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

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

Table 38. Pain relief by hospital and maternity service level, NSW, 2008#

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*	2698	51.7	235	4.5	494	9.5	1980	38.0	726	13.9	5215	100.0
Royal North Shore	1020	51.9	68	3.5	300	15.3	891	45.3	95	4.8	1965	100.0
Royal Hospital for Women	2384	57.6	74	1.8	573	13.8	1499	36.2	386	9.3	4142	100.0
Liverpool	994	32.8	173	5.7	1046	34.5	1291	42.6	337	11.1	3031	100.0
Nepean	1604	44.4	280	7.7	738	20.4	1954	54.1	265	7.3	3615	100.0
Westmead	2319	52.4	280	6.3	573	12.9	1745	39.4	167	3.8	4427	100.0
John Hunter	1239	33.3	218	5.9	1066	28.7	1723	46.3	405	10.9	3718	100.0
TOTAL	12258	46.9	1328	5.1	4790	18.3	11083	42.4	2381	9.1	26113	100.0
Level 5												
Gosford	1103	42.4	155	6.0	647	24.9	1100	42.3	319	12.3	2603	100.0
St. George	1054	42.9	65	2.6	314	12.8	1219	49.6	280	11.4	2456	100.0
Blacktown	1054	32.8	170	5.3	516	16.0	1582	49.2	259	8.1	3215	100.0
Lismore Base	613	44.9	34	2.5	207	15.2	600	43.9	181	13.3	1366	100.0
Tweed Heads	428	33.6	33	2.6	258	20.3	676	53.1	251	19.7	1273	100.0
Port Macquarie Base	307	36.5	18	2.1	211	25.1	428	50.9	134	15.9	841	100.0
Wollongong	890	36.5	66	2.7	232	9.5	1378	56.6	336	13.8	2436	100.0
Maitland	481	30.3	80	5.0	186	11.7	801	50.5	248	15.6	1586	100.0
Wagga Wagga Base	252	35.3	29	4.1	165	23.1	349	48.9	129	18.1	714	100.0
TOTAL	6182	37.5	650	3.9	2736	16.6	8133	49.3	2137	13.0	16490	100.0
Level 4												
Canterbury	520	32.7	61	3.8	184	11.6	824	51.8	196	12.3	1592	100.0
Hornsby	610	47.6	50	3.9	219	17.1	597	46.6	87	6.8	1281	100.0
Manly	434	46.3	24	2.6	155	16.5	367	39.2	98	10.5	937	100.0
Mona Vale	321	47.1	17	2.5	243	35.7	279	41.0	56	8.2	681	100.0
Sutherland	442	38.2	28	2.4	118	10.2	553	47.8	147	12.7	1158	100.0
Auburn	266	19.5	55	4.0	265	19.4	726	53.1	233	17.0	1367	100.0
Campbelltown	678	25.4	87	3.3	781	29.3	1399	52.5	525	19.7	2666	100.0
Bankstown-Lidcombe	493	22.5	95	4.3	411	18.8	1269	58.0	273	12.5	2188	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.	%
Hawkesbury	257	31.8	39	4.8	139	17.2	395	48.9	85	10.5	808	100.0
Coffs Harbour	351	33.1	44	4.1	179	16.9	516	48.6	193	18.2	1062	100.0
Grafton Base	163	34.4	43	9.1	93	19.6	247	52.1	77	16.2	474	100.0
Tamworth Base	357	46.6	44	5.7	58	7.6	386	50.4	67	8.7	766	100.0
Manning Base	182	25.3	43	6.0	220	30.6	358	49.8	118	16.4	719	100.0
Dubbo Base	369	31.9	73	6.3	357	30.9	586	50.6	158	13.7	1157	100.0
Orange Base	350	39.4	35	3.9	173	19.5	436	49.1	135	15.2	888	100.0
Goulburn Base	84	28.3	32	10.8	59	19.9	195	65.7	17	5.7	297	100.0
Griffith Base	133	31.7	21	5.0	185	44.0	238	56.7	42	10.0	420	100.0
TOTAL	6010	32.6	791	4.3	3839	20.8	9371	50.8	2507	13.6	18461	100.0
Level 3												
Blue Mountains	68	33.7	3	1.5	35	17.3	61	30.2	37	18.3	202	100.0
Fairfield	231	11.6	174	8.7	419	21.1	876	44.0	472	23.7	1990	100.0
Kempsey	78	25.2	7	2.3	112	36.1	154	49.7	76	24.5	310	100.0
Murwillumbah	130	35.0	8	2.2	96	25.9	178	48.0	59	15.9	371	100.0
Armidale	135	29.5	14	3.1	115	25.2	226	49.5	47	10.3	457	100.0
Inverell	101	38.7	2	0.8	57	21.8	89	34.1	42	16.1	261	100.0
Moree	57	27.8	9	4.4	30	14.6	95	46.3	41	20.0	205	100.0
Mudgee	70	29.0	10	4.1	53	22.0	139	57.7	30	12.4	241	100.0
Bathurst Base	183	31.0	20	3.4	51	8.6	258	43.7	142	24.1	590	100.0
Lithgow	97	41.8	6	2.6	43	18.5	95	40.9	39	16.8	232	100.0
Bega	64	31.5	4	2.0	52	25.6	117	57.6	40	19.7	203	100.0
Cooma	64	29.6	6	2.8	5	2.3	111	51.4	56	25.9	216	100.0
Moruya	108	29.6	17	4.7	59	16.2	169	46.3	88	24.1	365	100.0
Queanbeyan	49	18.0	8	2.9	24	8.8	113	41.5	100	36.8	272	100.0
Bowral	216	33.2	21	3.2	232	35.7	330	50.8	85	13.1	650	100.0
Shoalhaven	329	39.7	30	3.6	187	22.6	337	40.7	108	13.0	828	100.0
Broken Hill Base	95	34.8	10	3.7	70	25.6	149	54.6	40	14.7	273	100.0
Other hospitals	437	21.7	88	4.4	510	25.3	1041	51.7	376	18.7	2013	100.0
TOTAL	2512	26.0	437	4.5	2150	22.2	4538	46.9	1878	19.4	9679	100.0
Level 2												
Singleton	28	13.7	5	2.4	54	26.3	129	62.9	34	16.6	205	100.0
Other hospitals	82	8.0	8	0.8	99	9.6	341	33.1	369	35.8	1030	100.0
TOTAL	110	8.9	13	1.1	153	12.4	470	38.1	403	32.6	1235	100.0
Private												
Mater, North Sydney	1713	73.2	39	1.7	130	5.6	679	29.0	95	4.1	2341	100.0
North Shore Private	1949	72.8	47	1.8	77	2.9	768	28.7	108	4.0	2678	100.0
Sydney Adventist	1569	72.0	59	2.7	174	8.0	705	32.3	47	2.2	2180	100.0
North Gosford Private	524	60.4	23	2.6	99	11.4	265	30.5	86	9.9	868	100.0
Hurstville Community	706	77.8	14	1.5	35	3.9	191	21.0	46	5.1	908	100.0
Kareena Private	542	86.6	5	0.8	17	2.7	101	16.1	19	3.0	626	100.0
St. George Private	1435	77.3	41	2.2	92	5.0	530	28.6	72	3.9	1856	100.0
Prince of Wales Private	1764	85.3	30	1.5	34	1.6	508	24.6	55	2.7	2068	100.0
The Hills Private	781	61.5	39	3.1	107	8.4	401	31.6	66	5.2	1269	100.0
Sydney Southwest Private	536	47.9	20	1.8	339	30.3	583	52.1	60	5.4	1119	100.0
Nepean Private	486	54.5	19	2.1	203	22.8	480	53.8	50	5.6	892	100.0
Westmead Private	1432	64.8	55	2.5	168	7.6	857	38.8	85	3.8	2211	100.0
Figtree Private	637	68.0	8	0.9	25	2.7	361	38.5	42	4.5	937	100.0
Newcastle Private	1153	61.7	34	1.8	261	14.0	800	42.8	88	4.7	1870	100.0
Calvary, Wagga Wagga	340	54.6	9	1.4	118	18.9	252	40.4	58	9.3	623	100.0
Other hospitals	154	60.6	10	3.9	13	5.1	89	35.0	24	9.4	254	100.0
TOTAL	15721	69.3	452	2.0	1892	8.3	7570	33.3	1001	4.4	22700	100.0
TOTAL NSW**	42793	45.1	3671	3.9	15561	16.4	41171	43.4	10465	11.0	94863	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.
Hospitals with more than 200 births are identified individually. Maternity service levels are described on page 15 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.
* Royal Prince Alfred hospital does not report pain relief with IM narcotics.
** Total NSW includes mothers who gave birth at home assisted by independent midwives and mothers who gave birth at level 1 hospitals.

Perineal status

Table 39 shows the perineal status in vaginal births for area health services, and Table 40 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

In 2008, there were 1,496 cases of third degree tear and 91 cases of fourth degree tear reported among women who gave birth vaginally in 2008, including tears associated with an episiotomy.

Table 39. Perineal status among vaginal births by health area of hospital, NSW 2008

Health area	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 South West	3384	25.9	3214	24.6	3891	29.7	224	1.7	1571	12.0	274	2.1	523	4.0	1	0.0	13082	100.0
South Eastern Sydney & Illawarra	1925	23.7	2571	31.6	2197	27.0	181	2.2	838	10.3	316	3.9	98	1.2	0	0.0	8126	100.0
Sydney West	2395	23.8	3292	32.7	2367	23.5	130	1.3	1367	13.6	396	3.9	133	1.3	0	0.0	10080	100.0
Northern Sydney and Central Coast	1038	19.5	1967	36.9	1452	27.3	120	2.3	455	8.5	228	4.3	68	1.3	0	0.0	5328	100.0
Hunter and New England	1855	27.3	2674	39.4	1301	19.2	161	2.4	476	7.0	226	3.3	98	1.4	0	0.0	6791	100.0
North Coast	1654	37.2	1168	26.3	1077	24.2	67	1.5	280	6.3	84	1.9	112	2.5	5	0.1	4447	100.0
Greater Southern	961	38.3	697	27.8	474	18.9	33	1.3	247	9.8	39	1.6	60	2.4	0	0.0	2511	100.0
Greater Western	1003	36.7	781	28.6	510	18.7	45	1.6	263	9.6	55	2.0	72	2.6	3	0.1	2732	100.0
Private hospitals	2708	19.9	2667	19.6	4092	30.0	94	0.7	3565	26.2	237	1.7	266	2.0	1	0.0	13630	100.0
TOTAL*	16999	25.4	19073	28.5	17383	26.0	1056	1.6	9063	13.6	1855	2.8	1433	2.1	14	0.0	66876	100.0

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

Table 40. Perineal status among vaginal births by hospital and maternity service level, NSW, 2008#

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	641	18.1	921	25.9	1326	37.4	78	2.2	386	10.9	92	2.6	106	3.0	0	0.0	3550	100.0
Royal North Shore	219	17.1	371	29.1	377	29.5	48	3.8	171	13.4	78	6.1	13	1.0	0	0.0	1277	100.0
Royal Hospital for Women	459	16.3	815	28.9	803	28.5	76	2.7	498	17.7	132	4.7	36	1.3	0	0.0	2819	100.0
Liverpool	664	28.8	515	22.3	547	23.7	41	1.8	376	16.3	56	2.4	110	4.8	0	0.0	2309	100.0
Nepean	658	26.4	868	34.9	538	21.6	34	1.4	267	10.7	77	3.1	46	1.8	0	0.0	2488	100.0
Westmead	668	21.4	784	25.1	785	25.1	46	1.5	636	20.4	153	4.9	50	1.6	0	0.0	3122	100.0
John Hunter	615	21.3	1205	41.7	605	20.9	94	3.3	210	7.3	126	4.4	33	1.1	0	0.0	2888	100.0
TOTAL	3924	21.3	5479	29.7	4981	27.0	417	2.3	2544	13.8	714	3.9	394	2.1	0	0.0	18453	100.0
Level 5																		
Gosford	362	20.6	776	44.1	406	23.1	28	1.6	94	5.3	72	4.1	22	1.3	0	0.0	1760	100.0
St. George	441	24.0	517	28.1	560	30.4	61	3.3	138	7.5	108	5.9	16	0.9	0	0.0	1841	100.0
Blacktown	440	17.9	963	39.1	598	24.3	32	1.3	305	12.4	109	4.4	16	0.6	0	0.0	2463	100.0
Lismore Base	282	29.7	326	34.3	246	25.9	14	1.5	42	4.4	29	3.1	11	1.2	0	0.0	950	100.0
Tweed Heads	316	32.2	264	26.9	267	27.2	26	2.6	58	5.9	15	1.5	33	3.4	3	0.3	982	100.0
Port Macquarie Base	253	41.1	113	18.3	155	25.2	15	2.4	57	9.3	17	2.8	5	0.8	1	0.2	616	100.0
Wollongong	576	30.1	699	36.5	437	22.8	23	1.2	113	5.9	48	2.5	17	0.9	0	0.0	1913	100.0
Maitland	333	28.2	502	42.5	218	18.5	37	3.1	51	4.3	22	1.9	17	1.4	0	0.0	1180	100.0
Wagga Wagga Base	195	38.6	136	26.9	98	19.4	7	1.4	44	8.7	12	2.4	13	2.6	0	0.0	505	100.0
TOTAL	3198	26.2	4296	35.2	2985	24.4	243	2.0	902	7.4	432	3.5	150	1.2	4	0.0	12210	100.0
Level 4																		
Canterbury	299	24.3	269	21.9	396	32.2	31	2.5	116	9.4	38	3.1	80	6.5	1	0.1	1230	100.0
Hornsby	170	19.5	283	32.4	273	31.2	20	2.3	79	9.0	38	4.3	11	1.3	0	0.0	874	100.0
Manly	113	16.6	243	35.7	197	29.0	12	1.8	76	11.2	23	3.4	16	2.4	0	0.0	680	100.0
Mona Vale	106	22.6	170	36.2	137	29.1	8	1.7	31	6.6	16	3.4	2	0.4	0	0.0	470	100.0
Sutherland	239	25.7	288	31.0	299	32.2	15	1.6	51	5.5	15	1.6	23	2.5	0	0.0	930	100.0
Auburn	374	32.9	365	32.1	244	21.5	10	0.9	95	8.4	39	3.4	9	0.8	0	0.0	1136	100.0

Table 40. (Continued)

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.	%
Campbelltown	653	31.3	541	25.9	554	26.5	25	1.2	203	9.7	24	1.1	89	4.3	0	0.0	2089	100.0
Bankstown-Lidcombe	429	24.4	472	26.8	451	25.6	16	0.9	271	15.4	44	2.5	77	4.4	0	0.0	1760	100.0
Hawkesbury	160	27.8	214	37.2	140	24.3	6	1.0	36	6.3	13	2.3	6	1.0	0	0.0	575	100.0
Coffs Harbour	279	36.4	174	22.7	193	25.2	8	1.0	57	7.4	16	2.1	40	5.2	0	0.0	767	100.0
Grafton Base	162	49.5	80	24.5	39	11.9	0	0.0	31	9.5	2	0.6	13	4.0	0	0.0	327	100.0
Tamworth Base	134	25.1	194	36.3	97	18.2	8	1.5	67	12.5	20	3.7	14	2.6	0	0.0	534	100.0
Manning Base	180	33.1	210	38.7	109	20.1	2	0.4	25	4.6	8	1.5	9	1.7	0	0.0	543	100.0
Dubbo Base	305	35.8	234	27.5	137	16.1	8	0.9	118	13.8	14	1.6	34	4.0	2	0.2	852	100.0
Orange Base	219	34.4	177	27.8	141	22.1	12	1.9	46	7.2	21	3.3	21	3.3	0	0.0	637	100.0
Goulburn Base	59	27.3	14	6.5	38	17.6	9	4.2	82	38.0	1	0.5	13	6.0	0	0.0	216	100.0
Griffith Base	107	35.0	116	37.9	38	12.4	2	0.7	29	9.5	2	0.7	12	3.9	0	0.0	306	100.0
TOTAL	3988	28.6	4044	29.0	3483	25.0	192	1.4	1413	10.1	334	2.4	469	3.4	3	0.0	13926	100.0
Level 3																		
Blue Mountains	37	25.9	53	37.1	41	28.7	2	1.4	5	3.5	3	2.1	2	1.4	0	0.0	143	100.0
Fairfield	536	32.9	370	22.7	476	29.2	25	1.5	168	10.3	14	0.9	40	2.5	0	0.0	1629	100.0
Kempsey	110	45.6	63	26.1	55	22.8	0	0.0	9	3.7	2	0.8	1	0.4	1	0.4	241	100.0
Murwillumbah	133	48.4	57	20.7	58	21.1	3	1.1	16	5.8	3	1.1	5	1.8	0	0.0	275	100.0
Armidale	111	32.7	118	34.8	54	15.9	2	0.6	33	9.7	15	4.4	6	1.8	0	0.0	339	100.0
Inverell	64	40.3	45	28.3	18	11.3	0	0.0	29	18.2	2	1.3	1	0.6	0	0.0	159	100.0
Moree	62	40.8	52	34.2	23	15.1	3	2.0	7	4.6	3	2.0	2	1.3	0	0.0	152	100.0
Mudgee	64	35.4	48	26.5	43	23.8	2	1.1	20	11.0	3	1.7	1	0.6	0	0.0	181	100.0
Bathurst Base	154	36.1	146	34.2	66	15.5	8	1.9	39	9.1	7	1.6	7	1.6	0	0.0	427	100.0
Lithgow	58	37.9	45	29.4	21	13.7	0	0.0	23	15.0	2	1.3	4	2.6	0	0.0	153	100.0
Bega	56	36.1	55	35.5	33	21.3	1	0.6	5	3.2	3	1.9	2	1.3	0	0.0	155	100.0
Cooma	71	43.8	37	22.8	44	27.2	2	1.2	6	3.7	1	0.6	1	0.6	0	0.0	162	100.0
Moruya	127	46.4	72	26.3	45	16.4	5	1.8	16	5.8	5	1.8	4	1.5	0	0.0	274	100.0
Queanbeyan	73	32.0	93	40.8	45	19.7	2	0.9	8	3.5	4	1.8	3	1.3	0	0.0	228	100.0
Bowral	162	31.5	125	24.3	141	27.4	8	1.6	51	9.9	6	1.2	21	4.1	0	0.0	514	100.0
Shoalhaven	187	33.8	233	42.1	83	15.0	6	1.1	33	6.0	8	1.4	4	0.7	0	0.0	554	100.0
Broken Hill Base	87	46.8	54	29.0	23	12.4	3	1.6	16	8.6	0	0	3	1.6	0	0.0	186	100.0
Other hospitals	597	38.8	432	28.1	304	19.7	24	1.6	112	7.3	44	2.9	26	1.7	1	0.1	1540	100.0
TOTAL	2689	36.8	2098	28.7	1573	21.5	96	1.3	596	8.2	125	1.7	133	1.8	2	0.0	7312	100.0
Level 2																		
Singleton	73	39.2	63	33.9	35	18.8	0	0.0	10	5.4	3	1.6	2	1.1	0	0.0	186	100.0
Other hospitals	323	33.2	373	38.3	209	21.5	13	1.3	29	3.0	10	1.0	16	1.6	0	0.0	973	100.0
TOTAL	396	34.2	436	37.6	244	21.1	13	1.1	39	3.4	13	1.1	18	1.6	0	0.0	1159	100.0
Private																		
Mater, North Sydney	188	15.1	198	16.0	346	27.9	9	0.7	394	31.7	62	5.0	44	3.5	0	0.0	1241	100.0
North Shore Private	219	15.0	307	21.0	467	31.9	10	0.7	445	30.4	5	0.3	10	0.7	0	0.0	1463	100.0
Sydney Adventist	224	16.4	374	27.3	401	29.3	4	0.3	334	24.4	24	1.8	7	0.5	0	0.0	1368	100.0
North Gosford Private	147	33.9	95	21.9	115	26.6	0	0.0	52	12.0	16	3.7	7	1.6	1	0.2	433	100.0
Hurstville Community	86	16.0	104	19.3	130	24.2	5	0.9	176	32.7	21	3.9	16	3.0	0	0.0	538	100.0
Kareena Private	75	21.8	70	20.3	127	36.9	0	0.0	63	18.3	2	0.6	7	2.0	0	0.0	344	100.0
St. George Private	218	19.9	239	21.9	346	31.7	19	1.7	249	22.8	7	0.6	15	1.4	0	0.0	1093	100.0
Prince of Wales Private	223	19.3	206	17.9	345	29.9	6	0.5	301	26.1	30	2.6	42	3.6	0	0.0	1153	100.0
The Hills Private	237	26.1	143	15.7	304	33.5	7	0.8	179	19.7	14	1.5	24	2.6	0	0.0	908	100.0
Sydney Southwest Private	166	21.8	167	21.9	155	20.4	3	0.4	228	30.0	16	2.1	26	3.4	0	0.0	761	100.0
Nepean Private	139	24.0	50	8.6	171	29.5	2	0.3	189	32.6	8	1.4	20	3.5	0	0.0	579	100.0
Westmead Private	256	18.2	287	20.4	398	28.3	4	0.3	447	31.7	4	0.3	12	0.9	0	0.0	1408	100.0
Figtree Private	121	19.4	77	12.3	194	31.0	4	0.6	218	34.9	3	0.5	8	1.3	0	0.0	625	100.0
Newcastle Private	299	25.0	253	21.1	410	34.2	14	1.2	204	17.0	3	0.3	15	1.3	0	0.0	1198	100.0
Calvary, Wagga Wagga	92	25.0	68	18.5	127	34.5	7	1.9	41	11.1	20	5.4	13	3.5	0	0.0	368	100.0
Other hospitals	18	12.0	29	19.3	56	37.3	0	0.0	45	30.0	2	1.3	0	0	0	0.0	150	100.0
TOTAL	2708	19.9	2667	19.6	4092	30.0	94	0.7	3565	26.2	237	1.7	266	2.0	1	0.0	13630	100.0
TOTAL NSW*	16999	25.4	19073	28.5	17383	26.0	1056	1.6	9063	13.6	1855	2.8	1433	2.1	14	0.0	66876	100.0

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

Hospitals with more than 200 births are identified individually. Maternity service levels are described on page 15 of the Methods chapter.

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

Birth weight

Table 41 shows the birth weight of babies for area health services, and Table 42 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

Table 41. Births by birth weight and health area of hospital, NSW 2008

Health area	Birth weight (grams)											
	Less than 1000		1000–1499		1500–2499		2500+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	181	1.0	139	0.8	937	5.3	16324	92.8	9	0.1	17590	100.0
South Eastern Sydney and Illawarra	87	0.8	70	0.6	618	5.5	10511	93.0	13	0.1	11299	100.0
Sydney West	143	1.0	126	0.9	890	6.3	12946	91.6	24	0.2	14129	100.0
Northern Sydney and Central Coast	81	1.0	52	0.7	386	4.9	7342	93.3	10	0.1	7871	100.0
Hunter and New England	97	1.1	89	1.0	573	6.4	8257	91.5	6	0.1	9022	100.0
North Coast	30	0.5	13	0.2	254	4.2	5737	95.0	4	0.1	6038	100.0
Greater Southern	13	0.4	5	0.1	146	4.3	3253	95.2	1	0.0	3418	100.0
Greater Western	11	0.3	8	0.2	199	5.3	3556	94.2	1	0.0	3775	100.0
Private hospitals	45	0.2	23	0.1	777	3.4	22191	96.3	15	0.1	23051	100.0
TOTAL *	688	0.7	525	0.5	4781	5.0	90265	93.7	84	0.1	96343	100.0

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

*Total includes births at home assisted by independent midwives.

Table 42. Births by birth weight, hospital and maternity service level, NSW 2008#

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												
Liverpool	78	1.5	51	1.0	304	5.7	4877	91.8	4	0.1	5314	100.0
John Hunter	62	3.0	46	2.3	177	8.7	1751	86.0	1	0.0	2037	100.0
Royal Hospital for Women	55	1.3	50	1.2	284	6.7	3848	90.7	5	0.1	4242	100.0
Nepean	68	2.2	77	2.5	279	8.9	2694	86.4	0	0.0	3118	100.0
Westmead	56	1.5	45	1.2	263	7.1	3313	90.0	3	0.1	3680	100.0
Royal North Shore	61	1.3	71	1.6	369	8.1	4050	88.7	17	0.4	4568	100.0
Royal Prince Alfred	82	2.2	77	2.0	333	8.7	3311	87.0	3	0.1	3806	100.0
TOTAL	462	1.7	417	1.6	2009	7.5	23844	89.1	33	0.1	26765	100.0
Level 5												
Gosford	17	0.6	4	0.2	123	4.7	2485	94.5	1	0.0	2630	100.0
St. George	12	0.5	6	0.2	136	5.4	2342	93.7	4	0.2	2500	100.0
Blacktown	17	0.5	7	0.2	178	5.5	3055	93.7	3	0.1	3260	100.0
Lismore Base	10	0.7	6	0.4	69	5.0	1298	93.9	0	0.0	1383	100.0
Tweed Heads	5	0.4	0	0.0	54	4.2	1224	95.4	0	0.0	1283	100.0
Port Macquarie Base	5	0.6	2	0.2	38	4.5	804	94.6	1	0.1	850	100.0
Wollongong	14	0.6	13	0.5	123	5.0	2312	93.8	3	0.1	2465	100.0
Maitland	5	0.3	2	0.1	72	4.5	1525	95.0	1	0.1	1605	100.0
Wagga Wagga Base	2	0.3	2	0.3	49	6.7	678	92.7	0	0.0	731	100.0
TOTAL	87	0.5	42	0.3	842	5.0	15723	94.1	13	0.1	16707	100.0
Level 4												
Canterbury	4	0.2	0	0.0	51	3.2	1543	96.4	3	0.2	1601	100.0
Hornsby	2	0.2	2	0.2	33	2.6	1252	97.1	1	0.1	1290	100.0
Manly	0	0.0	0	0.0	27	2.8	922	96.4	7	0.7	956	100.0
Mona Vale	0	0.0	0	0.0	23	3.3	667	96.7	0	0.0	690	100.0
Sutherland	4	0.3	0	0.0	27	2.3	1128	97.3	0	0.0	1159	100.0
Auburn	4	0.3	1	0.1	32	2.3	1332	97.2	1	0.1	1370	100.0
Campbelltown	11	0.4	4	0.1	128	4.7	2552	94.7	1	0.0	2696	100.0
Bankstown-Lidcombe	9	0.4	4	0.2	86	3.9	2106	95.5	1	0.0	2206	100.0
Hawkesbury	4	0.5	0	0.0	28	3.4	782	96.1	0	0.0	814	100.0
Coffs Harbour	3	0.3	0	0.0	51	4.8	1015	94.8	2	0.2	1071	100.0
Grafton Base	3	0.6	2	0.4	22	4.6	449	94.1	1	0.2	477	100.0

Table 42. (Continued)

Maternity service level–hospital	Birth weight (grams)										TOTAL	
	Less than 1000		1000–1499		1500–2499		2500+		Not stated		No.	%
	No.	%	No.	%	No.	%	No.	%	No.	%		
Tamworth Base	1	0.1	3	0.4	37	4.8	732	94.6	1	0.1	774	100.0
Manning Base	4	0.5	3	0.4	43	5.9	679	93.1	0	0.0	729	100.0
Dubbo Base	3	0.3	2	0.2	62	5.3	1104	94.3	0	0.0	1171	100.0
Orange Base	3	0.3	2	0.2	51	5.6	846	93.7	1	0.1	903	100.0
Goulburn Base	0	0.0	0	0.0	19	6.3	282	93.7	0	0.0	301	100.0
Griffith Base	4	0.9	1	0.2	20	4.7	400	94.1	0	0.0	425	100.0
TOTAL	59	0.3	24	0.1	740	4.0	17791	95.5	19	0.1	18633	100.0
Level 3												
Blue Mountains	0	0.0	0	0.0	3	1.5	199	98.5	0	0.0	202	100.0
Fairfield	6	0.3	2	0.1	76	3.8	1917	95.8	0	0.0	2001	100.0
Kempsey	3	1.0	3	1.0	7	2.2	299	95.8	0	0.0	312	100.0
Murwillumbah	0	0.0	0	0.0	8	2.1	365	97.9	0	0.0	373	100.0
Armidale	5	1.1	3	0.6	39	8.3	423	90.0	0	0.0	470	100.0
Inverell	0	0.0	1	0.4	19	7.2	245	92.5	0	0.0	265	100.0
Moree	0	0.0	0	0.0	7	3.4	198	96.6	0	0.0	205	100.0
Mudgee	0	0.0	0	0.0	3	1.2	239	98.8	0	0.0	242	100.0
Bathurst Base	0	0.0	3	0.5	35	5.8	563	93.7	0	0.0	601	100.0
Lithgow	1	0.4	2	0.9	17	7.2	215	91.5	0	0.0	235	100.0
Bega	1	0.5	0	0.0	4	2.0	198	97.5	0	0.0	203	100.0
Cooma	0	0.0	0	0.0	6	2.8	210	97.2	0	0.0	216	100.0
Moruya	2	0.5	2	0.5	17	4.5	353	94.4	0	0.0	374	100.0
Queanbeyan	0	0.0	0	0.0	6	2.2	265	97.4	1	0.4	272	100.0
Bowral	5	0.8	1	0.2	12	1.8	635	97.2	0	0.0	653	100.0
Shoalhaven	2	0.2	1	0.1	47	5.6	790	93.9	1	0.1	841	100.0
Broken Hill Base	4	1.4	0	0.0	17	6.1	257	92.4	0	0.0	278	100.0
Other hospitals	5	0.2	0	0.0	68	3.4	1948	96.3	1	0.0	2022	100.0
TOTAL	34	0.3	18	0.2	391	4.0	9319	95.4	3	0.0	9765	100.0
Level 2												
Singleton	0	0.0	0	0.0	3	1.5	202	98.5	0	0.0	205	100.0
Other hospitals	1	0.1	0	0.0	11	1.1	1018	98.8	0	0.0	1030	100.0
TOTAL	1	0.1	0	0.0	14	1.1	1220	98.8	0	0.0	1235	100.0
Private												
Mater, North Sydney	5	0.2	6	0.3	84	3.5	2280	96.0	1	0.0	2376	100.0
North Shore Private	6	0.2	2	0.1	92	3.4	2629	96.3	2	0.1	2731	100.0
Sydney Adventist	8	0.4	4	0.2	77	3.5	2130	95.9	1	0.0	2220	100.0
North Gosford Private	4	0.5	0	0.0	36	4.1	842	95.4	1	0.1	883	100.0
Hurstville Community	1	0.1	0	0.0	40	4.3	883	95.6	0	0.0	924	100.0
Kareena Private	0	0.0	0	0.0	25	3.9	609	95.9	1	0.2	635	100.0
St. George Private	3	0.2	0	0.0	72	3.8	1811	95.9	3	0.2	1889	100.0
Prince of Wales Private	1	0.0	2	0.1	70	3.3	2022	96.5	0	0.0	2095	100.0
The Hills Private	2	0.2	1	0.1	37	2.9	1242	96.9	0	0.0	1282	100.0
Sydney Southwest Private	1	0.1	0	0.0	32	2.8	1103	97.1	0	0.0	1136	100.0
Nepean Private	0	0.0	1	0.1	15	1.7	890	98.2	0	0.0	906	100.0
Westmead Private	6	0.3	4	0.2	86	3.8	2137	95.5	5	0.2	2238	100.0
Figtree Private	4	0.4	0	0.0	14	1.5	931	98.1	0	0.0	949	100.0
Newcastle Private	4	0.2	1	0.1	72	3.8	1816	95.9	1	0.1	1894	100.0
Calvary, Wagga Wagga	0	0.0	2	0.3	25	3.9	612	95.8	0	0.0	639	100.0
Other hospitals	0	0.0	0	0.0	0	0.0	254	100.0	0	0.0	254	100.0
TOTAL	45	0.2	23	0.1	777	3.4	22191	96.3	15	0.1	23051	100.0
TOTAL NSW *	688	0.7	525	0.5	4781	5.0	90265	93.7	84	0.1	96343	100.0

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

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

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

Gestational age

Table 43 shows the gestational age of babies for area health services, and Table 44 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

Table 43. Births by gestational age and health area of hospital, NSW 2008

Health area	Gestational age (weeks)											
	< 32		32–33		34–36		37+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	354	2.0	200	1.1	883	5.0	16152	91.8	1	0.0	17590	100.0
South Eastern Sydney & Illawarra	179	1.6	125	1.1	678	6.0	10315	91.3	2	0.0	11299	100.0
Sydney West	330	2.3	202	1.4	760	5.4	12828	90.8	9	0.1	14129	100.0
Northern Sydney & Central Coast	148	1.9	91	1.2	392	5.0	7237	91.9	3	0.0	7871	100.0
Hunter & New England	226	2.5	111	1.2	523	5.8	8162	90.5	0	0.0	9022	100.0
North Coast	50	0.8	25	0.4	257	4.3	5705	94.5	1	0.0	6038	100.0
Greater Southern	22	0.6	8	0.2	142	4.2	3246	95.0	0	0.0	3418	100.0
Greater Western	24	0.6	20	0.5	179	4.7	3551	94.1	1	0.0	3775	100.0
Private Hospitals	82	0.4	90	0.4	1108	4.8	21771	94.4	0	0.0	23051	100.0
TOTAL*	1415	1.5	872	0.9	4922	5.1	89117	92.5	17	0.0	96343	100.0

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

* Total includes births assisted by independent midwives.

Table 44. Births by gestational age, hospital and maternity service level, NSW 2008*

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	147	2.8	79	1.5	285	5.4	4803	90.4	0	0.0	5314	100.0
Royal North Shore	123	6.0	60	2.9	130	6.4	1724	84.6	0	0.0	2037	100.0
Royal Hospital for Women	121	2.9	71	1.7	284	6.7	3766	88.8	0	0.0	4242	100.0
Liverpool	156	5.0	96	3.1	216	6.9	2650	85.0	0	0.0	3118	100.0
Nepean	121	3.3	83	2.3	228	6.2	3242	88.1	6	0.2	3680	100.0
Westmead	172	3.8	100	2.2	276	6.0	4017	87.9	3	0.1	4568	100.0
John Hunter	193	5.1	92	2.4	274	7.2	3247	85.3	0	0.0	3806	100.0
TOTAL	1033	3.9	581	2.2	1693	6.3	23449	87.6	9	0.0	26765	100.0
Level 5												
Gosford	21	0.8	24	0.9	130	4.9	2454	93.3	1	0.0	2630	100.0
St. George	18	0.7	22	0.9	151	6.0	2308	92.3	1	0.0	2500	100.0
Blacktown	25	0.8	16	0.5	163	5.0	3056	93.7	0	0.0	3260	100.0
Lismore Base	17	1.2	11	0.8	67	4.8	1288	93.1	0	0.0	1383	100.0
Tweed Heads	6	0.5	4	0.3	61	4.8	1212	94.5	0	0.0	1283	100.0
Port Macquarie Base	6	0.7	6	0.7	31	3.6	807	94.9	0	0.0	850	100.0
Wollongong	32	1.3	25	1.0	137	5.6	2271	92.1	0	0.0	2465	100.0
Maitland	9	0.6	7	0.4	80	5.0	1509	94.0	0	0.0	1605	100.0
Wagga Wagga Base	6	0.8	4	0.5	53	7.3	668	91.4	0	0.0	731	100.0
TOTAL	140	0.8	119	0.7	873	5.2	15573	93.2	2	0.0	16707	100.0
Level 4												
Canterbury	4	0.2	2	0.1	50	3.1	1545	96.5	0	0.0	1601	100.0
Hornsby	4	0.3	1	0.1	52	4.0	1233	95.6	0	0.0	1290	100.0
Manly	0	0.0	3	0.3	43	4.5	908	95.0	2	0.2	956	100.0
Mona Vale	0	0.0	3	0.4	34	4.9	653	94.6	0	0.0	690	100.0
Sutherland	4	0.3	3	0.3	48	4.1	1103	95.2	1	0.1	1159	100.0
Auburn	6	0.4	1	0.1	35	2.6	1328	96.9	0	0.0	1370	100.0
Campbelltown	17	0.6	9	0.3	148	5.5	2522	93.5	0	0.0	2696	100.0
Bankstown-Lidcombe	15	0.7	6	0.3	94	4.3	2091	94.8	0	0.0	2206	100.0
Hawkesbury	4	0.5	0	0.0	37	4.5	773	95.0	0	0.0	814	100.0
Coffs Harbour	8	0.7	2	0.2	53	4.9	1007	94.0	1	0.1	1071	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.	%		
Grafton Base	5	1.0	1	0.2	21	4.4	450	94.3	0	0.0	477	100.0
Tamworth Base	5	0.6	6	0.8	50	6.5	713	92.1	0	0.0	774	100.0
Manning Base	8	1.1	1	0.1	44	6.0	676	92.7	0	0.0	729	100.0
Dubbo Base	10	0.9	6	0.5	65	5.6	1089	93.0	1	0.1	1171	100.0
Orange Base	6	0.7	5	0.6	50	5.5	842	93.2	0	0.0	903	100.0
Goulburn Base	0	0.0	0	0.0	15	5.0	286	95.0	0	0.0	301	100.0
Griffith Base	5	1.2	2	0.5	18	4.2	400	94.1	0	0.0	425	100.0
TOTAL	101	0.5	51	0.3	857	4.6	17619	94.6	5	0.0	18633	100.0
Level 3												
Blue Mountains	0	0.0	0	0.0	6	3.0	196	97.0	0	0.0	202	100.0
Fairfield	9	0.4	7	0.3	75	3.7	1909	95.4	1	0.0	2001	100.0
Kempsey	6	1.9	0	0.0	13	4.2	293	93.9	0	0.0	312	100.0
Murwillumbah	1	0.3	0	0.0	9	2.4	363	97.3	0	0.0	373	100.0
Armidale	8	1.7	0	0.0	30	6.4	432	91.9	0	0.0	470	100.0
Inverell	3	1.1	1	0.4	20	7.5	241	90.9	0	0.0	265	100.0
Moree	0	0.0	1	0.5	5	2.4	199	97.1	0	0.0	205	100.0
Mudgee	0	0.0	0	0.0	2	0.8	240	99.2	0	0.0	242	100.0
Bathurst Base	2	0.3	5	0.8	21	3.5	573	95.3	0	0.0	601	100.0
Lithgow	2	0.9	2	0.9	15	6.4	216	91.9	0	0.0	235	100.0
Bega	1	0.5	0	0.0	10	4.9	192	94.6	0	0.0	203	100.0
Cooma	0	0.0	0	0.0	4	1.9	212	98.1	0	0.0	216	100.0
Moruya	5	1.3	2	0.5	13	3.5	354	94.7	0	0.0	374	100.0
Queanbeyan	1	0.4	0	0.0	5	1.8	266	97.8	0	0.0	272	100.0
Bowral	6	0.9	1	0.2	14	2.1	632	96.8	0	0.0	653	100.0
Shoalhaven	4	0.5	4	0.5	56	6.7	777	92.4	0	0.0	841	100.0
Broken Hill Base	4	1.4	0	0.0	22	7.9	252	90.6	0	0.0	278	100.0
Other hospitals	5	0.2	7	0.3	51	2.5	1959	96.9	0	0.0	2022	100.0
TOTAL	57	0.6	30	0.3	371	3.8	9306	95.3	1	0.0	9765	100.0
Level 2												
Singleton	0	0.0	0	0.0	2	1.0	203	99.0	0	0.0	205	100.0
Other hospitals	1	0.1	0	0.0	11	1.1	1018	98.8	0	0.0	1030	100.0
TOTAL	1	0.1	0	0.0	13	1.1	1221	98.9	0	0.0	1235	100.0
Private												
Mater, North Sydney	13	0.5	14	0.6	102	4.3	2247	94.6	0	0.0	2376	100.0
North Shore Private	10	0.4	13	0.5	148	5.4	2560	93.7	0	0.0	2731	100.0
Sydney Adventist	16	0.7	11	0.5	90	4.1	2103	94.7	0	0.0	2220	100.0
North Gosford Private	4	0.5	6	0.7	54	6.1	819	92.8	0	0.0	883	100.0
Hurstville Community	4	0.4	2	0.2	56	6.1	862	93.3	0	0.0	924	100.0
Kareena Private	0	0.0	2	0.3	45	7.1	588	92.6	0	0.0	635	100.0
St. George Private	7	0.4	8	0.4	95	5.0	1779	94.2	0	0.0	1889	100.0
Prince of Wales Private	1	0.0	7	0.3	92	4.4	1995	95.2	0	0.0	2095	100.0
The Hills Private	2	0.2	10	0.8	56	4.4	1214	94.7	0	0.0	1282	100.0
Sydney Southwest Private	2	0.2	0	0.0	46	4.0	1088	95.8	0	0.0	1136	100.0
Nepean Private	1	0.1	0	0.0	36	4.0	869	95.9	0	0.0	906	100.0
Westmead Private	11	0.5	11	0.5	109	4.9	2107	94.1	0	0.0	2238	100.0
Figtree Private	4	0.4	0	0.0	25	2.6	920	96.9	0	0.0	949	100.0
Newcastle Private	5	0.3	5	0.3	108	5.7	1776	93.8	0	0.0	1894	100.0
Calvary, Wagga Wagga	2	0.3	1	0.2	44	6.9	592	92.6	0	0.0	639	100.0
Other hospitals	0	0.0	0	0.0	2	0.8	252	99.2	0	0.0	254	100.0
TOTAL	82	0.4	90	0.4	1108	4.8	21771	94.4	0	0.0	23051	100.0
TOTAL NSW*	1415	1.5	872	0.9	4922	5.1	89117	92.5	17	0.0	96343	100.0

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

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

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

Neonatal resuscitation

Table 45 shows the type of neonatal resuscitation for area health services, and Table 46 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

Table 45. Births by type of resuscitation and health area of hospital, NSW 2008

Health area	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.	%			
Sydney South West	14188	80.7	959	5.5	1193	6.8	1000	5.7	142	0.8	95	0.5	13	0.1	17590	100.0	
South Eastern Sydney & Illawarra	8340	73.8	1131	10.0	1103	9.8	581	5.1	95	0.8	49	0.4	0	0.0	11299	100.0	
Sydney West	9710	68.7	1668	11.8	1713	12.1	762	5.4	202	1.4	74	0.5	0	0.0	14129	100.0	
Northern Sydney & Central Coast	5687	72.3	667	8.5	922	11.7	508	6.5	61	0.8	26	0.3	0	0.0	7871	100.0	
Hunter & New England	6332	70.2	345	3.8	1155	12.8	1100	12.2	47	0.5	41	0.5	2	0.0	9022	100.0	
North Coast	4377	72.5	436	7.2	780	12.9	396	6.6	26	0.4	21	0.3	2	0.0	6038	100.0	
Greater Southern	2478	72.5	285	8.3	434	12.7	191	5.6	19	0.6	10	0.3	1	0.0	3418	100.0	
Greater Western	2785	73.8	241	6.4	483	12.8	240	6.4	8	0.2	15	0.4	3	0.1	3775	100.0	
Private Hospitals	14235	61.8	4568	19.8	3156	13.7	1040	4.5	26	0.1	18	0.1	8	0.0	23051	100.0	
TOTAL*	68269	70.9	10302	10.7	10945	11.4	5823	6.0	626	0.6	349	0.4	29	0.0	96343	100.0	

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

Table 46. Births by type of resuscitation, hospital and maternity service level, NSW 2008#

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.	%			
Level 6																	
Royal Prince Alfred	4115	77.4	265	5.0	366	6.9	455	8.6	87	1.6	25	0.5	1	0.0	5314	100.0	
Royal North Shore	1447	71.0	237	11.6	142	7.0	152	7.5	49	2.4	10	0.5	0	0.0	2037	100.0	
Royal Hospital for Women	3103	73.1	354	8.3	390	9.2	299	7.0	75	1.8	21	0.5	0	0.0	4242	100.0	
Liverpool	2406	77.2	274	8.8	179	5.7	201	6.4	40	1.3	13	0.4	5	0.2	3118	100.0	
Nepean	2293	62.3	609	16.5	469	12.7	219	6.0	63	1.7	27	0.7	0	0.0	3680	100.0	
Westmead	3185	69.7	377	8.3	581	12.7	277	6.1	123	2.7	25	0.5	0	0.0	4568	100.0	
John Hunter	2610	68.6	113	3.0	340	8.9	685	18.0	35	0.9	23	0.6	0	0.0	3806	100.0	
TOTAL	19159	71.6	2229	8.3	2467	9.2	2288	8.5	472	1.8	144	0.5	6	0.0	26765	100.0	
Level 5																	
Gosford	2018	76.7	91	3.5	349	13.3	157	6.0	7	0.3	8	0.3	0	0.0	2630	100.0	
St. George	1972	78.9	121	4.8	251	10.0	139	5.6	6	0.2	11	0.4	0	0.0	2500	100.0	
Blacktown	2278	69.9	431	13.2	377	11.6	150	4.6	11	0.3	13	0.4	0	0.0	3260	100.0	
Lismore Base	1020	73.8	94	6.8	169	12.2	83	6.0	10	0.7	7	0.5	0	0.0	1383	100.0	
Tweed Heads	913	71.2	28	2.2	233	18.2	102	8.0	4	0.3	1	0.1	2	0.2	1283	100.0	
Port Macquarie Base	675	79.4	33	3.9	93	10.9	46	5.4	2	0.2	1	0.1	0	0.0	850	100.0	
Wollongong	1592	64.6	464	18.8	326	13.2	63	2.6	9	0.4	11	0.4	0	0.0	2465	100.0	
Maitland	1272	79.3	11	0.7	168	10.5	143	8.9	2	0.1	9	0.6	0	0.0	1605	100.0	
Wagga Wagga Base	513	70.2	60	8.2	89	12.2	62	8.5	3	0.4	4	0.5	0	0.0	731	100.0	
TOTAL	12253	73.3	1333	8.0	2055	12.3	945	5.7	54	0.3	65	0.4	2	0.0	16707	100.0	
Level 4																	
Canterbury	1321	82.5	66	4.1	168	10.5	36	2.2	1	0.1	6	0.4	3	0.2	1601	100.0	
Hornsby	950	73.6	64	5.0	192	14.9	80	6.2	1	0.1	3	0.2	0	0.0	1290	100.0	
Manly	699	73.1	37	3.9	139	14.5	76	7.9	3	0.3	2	0.2	0	0.0	956	100.0	
Mona Vale	353	51.2	232	33.6	73	10.6	30	4.3	1	0.1	1	0.1	0	0.0	690	100.0	
Sutherland	1001	86.4	51	4.4	57	4.9	42	3.6	4	0.3	4	0.3	0	0.0	1159	100.0	
Auburn	1140	83.2	76	5.5	80	5.8	68	5.0	4	0.3	2	0.1	0	0.0	1370	100.0	
Campbelltown	2245	83.3	88	3.3	226	8.4	110	4.1	4	0.1	21	0.8	2	0.1	2696	100.0	
Bankstown-Lidcombe	1812	82.1	166	7.5	128	5.8	82	3.7	3	0.1	14	0.6	1	0.0	2206	100.0	
Hawkesbury	592	72.7	67	8.2	121	14.9	29	3.6	0	0.0	5	0.6	0	0.0	814	100.0	

Table 46. (Continued)

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.	%
Coffs Harbour	788	73.6	97	9.1	126	11.8	52	4.9	2	0.2	6	0.6	0	0.0	1071	100.0
Grafton Base	291	61.0	106	22.2	38	8.0	38	8.0	3	0.6	1	0.2	0	0.0	477	100.0
Tamworth Base	529	68.3	43	5.6	118	15.2	76	9.8	2	0.3	4	0.5	2	0.3	774	100.0
Manning Base	600	82.3	17	2.3	75	10.3	33	4.5	2	0.3	2	0.3	0	0.0	729	100.0
Dubbo Base	900	76.9	54	4.6	146	12.5	57	4.9	3	0.3	9	0.8	2	0.2	1171	100.0
Orange Base	672	74.4	38	4.2	118	13.1	72	8.0	1	0.1	2	0.2	0	0.0	903	100.0
Goulburn Base	201	66.8	21	7.0	58	19.3	15	5.0	5	1.7	1	0.3	0	0.0	301	100.0
Griffith Base	266	62.6	48	11.3	91	21.4	14	3.3	6	1.4	0	0	0	0/0	425	100.0
TOTAL	14360	77.1	1271	6.8	1954	10.5	910	4.9	45	0.2	83	0.4	10	0.1	18633	100.0
Level 3																
Blue Mountains	150	74.3	22	10.9	22	10.9	6	3.0	0	0.0	2	1.0	0	0.0	202	100.0
Fairfield	1741	87.0	71	3.5	90	4.5	89	4.4	4	0.2	5	0.2	1	0.0	2001	100.0
Kempsey	254	81.4	3	1.0	20	6.4	30	9.6	3	1.0	2	0.6	0	0.0	312	100.0
Murwillumbah	226	60.6	63	16.9	52	13.9	28	7.5	1	0.3	3	0.8	0	0.0	373	100.0
Armidale	289	61.5	18	3.8	134	28.5	28	6.0	1	0.2	0	0.0	0	0.0	470	100.0
Inverell	63	23.8	14	5.3	129	48.7	56	21.1	3	1.1	0	0.0	0	0.0	265	100.0
Moree	142	69.3	8	3.9	37	18.0	15	7.3	1	0.5	2	1.0	0	0.0	205	100.0
Mudgee	182	75.2	18	7.4	27	11.2	14	5.8	1	0.4	0	0.0	0	0.0	242	100.0
Bathurst Base	419	69.7	71	11.8	70	11.6	39	6.5	1	0.2	1	0.2	0	0.0	601	100.0
Lithgow	72	30.6	86	36.6	63	26.8	13	5.5	1	0.4	0	0.0	0	0.0	235	100.0
Bega	175	86.2	2	1.0	8	3.9	17	8.4	1	0.5	0	0.0	0	0.0	203	100.0
Cooma	198	91.7	6	2.8	3	1.4	9	4.2	0	0.0	0	0.0	0	0.0	216	100.0
Moruya	295	78.9	23	6.1	34	9.1	18	4.8	3	0.8	0	0.0	1	0.3	374	100.0
Queanbeyan	225	82.7	8	2.9	26	9.6	11	4.0	0	0.0	2	0.7	0	0.0	272	100.0
Bowral	547	83.8	29	4.4	36	5.5	27	4.1	3	0.5	11	1.7	0	0.0	653	100.0
Shoalhaven	602	71.6	136	16.2	67	8.0	33	3.9	1	0.1	2	0.2	0	0.0	841	100.0
Broken Hill Base	193	69.4	31	11.2	31	11.2	22	7.9	0	0.0	1	0.4	0	0.0	278	100.0
Other hospitals	1330	65.8	241	11.9	327	16.2	115	5.7	4	0.2	4	0.2	1	0.0	2022	100.0
TOTAL	7103	72.7	850	8.7	1176	12.0	570	5.8	28	0.3	35	0.4	3	0.0	9765	100.0
Level 2																
Singleton	182	88.8	3	1.5	11	5.4	9	4.4	0	0.0	0	0.0	0	0.0	205	100.0
Other hospitals	820	79.6	42	4.1	110	10.7	54	5.2	1	0.1	3	0.3	0	0.0	1030	100.0
TOTAL	1002	81.1	45	3.6	121	9.8	63	5.1	1	0.1	3	0.2	0	0.0	1235	100.0
Private																
Mater, North Sydney	1642	69.1	219	9.2	379	16.0	133	5.6	0	0.0	3	0.1	0	0.0	2376	100.0
North Shore Private	1936	70.9	385	14.1	298	10.9	110	4.0	2	0.1	0	0.0	0	0.0	2731	100.0
Sydney Adventist	1708	76.9	244	11.0	160	7.2	103	4.6	1	0.0	4	0.2	0	0.0	2220	100.0
North Gosford Private	629	71.2	110	12.5	118	13.4	25	2.8	0	0.0	0	0.0	1	0.1	883	100.0
Hurstville Community	252	27.3	453	49.0	169	18.3	49	5.3	1	0.1	0	0.0	0	0.0	924	100.0
Kareena Private	163	25.7	298	46.9	131	20.6	42	6.6	0	0.0	1	0.2	0	0.0	635	100.0
St. George Private	633	33.5	877	46.4	291	15.4	78	4.1	2	0.1	3	0.2	5	0.3	1889	100.0
Prince of Wales Private	1006	48.0	543	25.9	427	20.4	113	5.4	4	0.2	1	0.0	1	0.0	2095	100.0
The Hills Private	1027	80.1	83	6.5	115	9.0	56	4.4	1	0.1	0	0.0	0	0.0	1282	100.0
Sydney Southwest Private	789	69.5	197	17.3	102	9.0	46	4.0	0	0.0	1	0.1	1	0.1	1136	100.0
Nepean Private	605	66.8	66	7.3	187	20.6	44	4.9	3	0.3	1	0.1	0	0.0	906	100.0
Westmead Private	1690	75.5	285	12.7	179	8.0	75	3.4	6	0.3	3	0.1	0	0.0	2238	100.0
Figtree Private	208	21.9	545	57.4	167	17.6	28	3.0	1	0.1	0	0.0	0	0.0	949	100.0
Newcastle Private	1411	74.5	106	5.6	281	14.8	91	4.8	4	0.2	1	0.1	0	0.0	1894	100.0
Calvary, Wagga Wagga	383	59.9	128	20.0	91	14.2	36	5.6	1	0.2	0	0.0	0	0.0	639	100.0
Other hospitals	153	60.2	29	11.4	61	24.0	11	4.3	0	0.0	0	0.0	0	0.0	254	100.0
TOTAL	14235	61.8	4568	19.8	3156	13.7	1040	4.5	26	0.1	18	0.1	8	0.0	23051	100.0
TOTAL NSW*	68269	70.9	10302	10.7	10945	11.4	5823	6.0	626	0.6	349	0.4	29	0.0	96343	100.0

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

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

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

IPPR: intermittent positive pressure ventilation.

Admission to special care or neonatal intensive care

Table 47 shows admissions of live born babies to special care or neonatal intensive care for area health services, and

Table 48 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

Table 47. Live births by admission to special care or neonatal intensive care by health area of hospital, NSW 2008

Health area	Admission to special care or NICU							
	No		Yes		Not stated		Total	
	No.	%	No.	%	No.	%	No.	%
Sydney South West	15069	86.4	2381	13.6	0	0.0	17450	100.0
South Eastern Sydney and Illawarra	9351	83.4	1863	16.6	0	0.0	11214	100.0
Sydney West	10971	78.3	3036	21.7	0	0.0	14007	100.0
Northern Sydney and Central Coast	6578	84.1	1242	15.9	0	0.0	7820	100.0
Hunter and New England	7363	82.3	1581	17.7	3	0.0	8947	100.0
North Coast	5061	84.5	899	15.0	31	0.5	5991	100.0
Greater Southern	2987	87.7	415	12.2	4	0.1	3406	100.0
Greater Western	3288	87.6	441	11.7	26	0.7	3755	100.0
Private hospitals	20590	89.6	2366	10.3	12	0.1	22968	100.0
TOTAL*	81403	85.1	14224	14.9	76	0.1	95703	100.0

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

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

NICU: neonatal intensive care unit.

Table 48. Live births by admission to special care or neonatal intensive care, hospital and maternity service level, NSW 2008#

Maternity service level–hospital	Admission to Special Care or NICU							
	No		Yes		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Level 6								
Royal Prince Alfred	4563	86.7	703	13.3	0	0.0	5266	100.0
Royal North Shore	1687	83.8	327	16.2	0	0.0	2014	100.0
Royal Hospital for Women	3465	82.4	740	17.6	0	0.0	4205	100.0
Liverpool	2537	82.3	545	17.7	0	0.0	3082	100.0
Nepean	2677	73.4	972	26.6	0	0.0	3649	100.0
Westmead	3506	77.7	1005	22.3	0	0.0	4511	100.0
John Hunter	2946	78.4	814	21.6	0	0.0	3760	100.0
TOTAL	21381	80.7	5106	19.3	0	0.0	26487	100.0
Level 5								
Gosford	2230	85.3	383	14.7	0	0.0	2613	100.0
St. George	2066	83.5	409	16.5	0	0.0	2475	100.0
Blacktown	2688	82.9	554	17.1	0	0.0	3242	100.0
Lismore Base	1137	83.3	228	16.7	0	0.0	1365	100.0
Tweed Heads	1040	81.2	223	17.4	18	1.4	1281	100.0
Port Macquarie Base	737	87.4	106	12.6	0	0.0	843	100.0
Wollongong	1961	80.0	491	20.0	0	0.0	2452	100.0
Maitland	1348	84.6	246	15.4	0	0.0	1594	100.0
Wagga Wagga Base	549	75.4	179	24.6	0	0.0	728	100.0
TOTAL	13756	82.9	2819	17.0	18	0.1	16593	100.0
Level 4								
Canterbury	1407	88.4	185	11.6	0	0.0	1592	100.0
Hornsby	1055	82.2	229	17.8	0	0.0	1284	100.0
Manly	771	81.1	180	18.9	0	0.0	951	100.0
Mona Vale	575	83.3	115	16.7	0	0.0	690	100.0
Sutherland	998	86.5	156	13.5	0	0.0	1154	100.0
Auburn	1049	76.7	318	23.3	0	0.0	1367	100.0
Campbelltown	2412	90.1	266	9.9	0	0.0	2678	100.0
Bankstown-Lidcombe	1884	85.9	308	14.1	0	0.0	2192	100.0
Hawkesbury	652	80.7	156	19.3	0	0.0	808	100.0
Coffs Harbour	846	79.7	216	20.3	0	0.0	1062	100.0
Grafton Base	396	84.1	75	15.9	0	0.0	471	100.0

Table 48. (Continued)

Maternity service level–hospital	Admission to Special Care or NICU							
	No		Yes		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Tamworth Base	484	62.8	285	37.0	2	0.3	771	100.0
Manning Base	609	84.0	116	16.0	0	0.0	725	100.0
Dubbo Base	965	82.8	188	16.1	12	1.0	1165	100.0
Orange Base	765	85.3	132	14.7	0	0.0	897	100.0
Goulburn Base	277	92.3	23	7.7	0	0.0	300	100.0
Griffith Base	288	68.4	133	31.6	0	0.0	421	100.0
TOTAL	15433	83.3	3081	16.6	14	0.1	18528	100.0
Level 3								
Blue Mountains	176	90.3	19	9.7	0	0.0	195	100.0
Fairfield	1705	85.7	285	14.3	0	0.0	1990	100.0
Kempsey	277	89.6	19	6.1	13	4.2	309	100.0
Murwillumbah	350	94.1	22	5.9	0	0.0	372	100.0
Armidale	416	89.7	48	10.3	0	0.0	464	100.0
Inverell	242	91.7	22	8.3	0	0.0	264	100.0
Moree	180	88.2	24	11.8	0	0.0	204	100.0
Mudgee	237	98.3	4	1.7	0	0.0	241	100.0
Bathurst Base	545	91.1	53	8.9	0	0.0	598	100.0
Lithgow	223	94.9	12	5.1	0	0.0	235	100.0
Bega	186	91.6	17	8.4	0	0.0	203	100.0
Cooma	208	96.3	8	3.7	0	0.0	216	100.0
Moruya	360	96.5	13	3.5	0	0.0	373	100.0
Queanbeyan	263	97.0	8	3.0	0	0.0	271	100.0
Bowral	560	86.3	89	13.7	0	0.0	649	100.0
Shoalhaven	769	92.0	67	8.0	0	0.0	836	100.0
Broken Hill Base	246	89.1	30	10.9	0	0.0	276	100.0
Other hospitals	1927	95.5	72	3.6	18	0.9	2017	100.0
TOTAL	8870	91.3	812	8.4	31	0.3	9713	100.0
Level 2								
Singleton	199	97.1	6	2.9	0	0.0	205	100.0
Other hospitals	1000	97.4	27	2.6	0	0.0	1027	100.0
TOTAL	1199	97.3	33	2.7	0	0.0	1232	100.0
Private								
Mater, North Sydney	2098	88.6	268	11.3	1	0.0	2367	100.0
North Shore Private	2717	99.7	8	0.3	0	0.0	2725	100.0
Sydney Adventist	1801	81.6	406	18.4	0	0.0	2207	100.0
North Gosford Private	694	79.3	172	19.7	9	1.0	875	100.0
Hurstville Community	773	83.7	150	16.3	0	0.0	923	100.0
Kareena Private	538	84.7	97	15.3	0	0.0	635	100.0
St. George Private	1875	99.7	6	0.3	0	0.0	1881	100.0
Prince of Wales Private	1857	88.8	235	11.2	0	0.0	2092	100.0
The Hills Private	1128	88.1	153	11.9	0	0.0	1281	100.0
Sydney Southwest Private	895	79.0	236	20.8	2	0.2	1133	100.0
Nepean Private	673	74.4	231	25.6	0	0.0	904	100.0
Westmead Private	2204	98.9	24	1.1	0	0.0	2228	100.0
Figtree Private	883	93.4	62	6.6	0	0.0	945	100.0
Newcastle Private	1649	87.6	234	12.4	0	0.0	1883	100.0
Calvary, Wagga Wagga	560	88.1	76	11.9	0	0.0	636	100.0
Other hospitals	245	96.8	8	3.2	0	0.0	253	100.0
TOTAL	20590	89.6	2366	10.3	12	0.1	22968	100.0
TOTAL*	81403	85.1	14224	14.9	76	0.1	95703	100.0

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

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

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

NICU: Neonatal intensive care unit.

Infant feeding

Table 49 shows infant feeding at discharge from the hospital of birth for area health services, and Table 50 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

Table 49. Live births by type of infant feeding and health area of hospital, NSW 2008

Health area	Full breast-feeding		Any breast-feeding		Infant feeding Infant formula only		Not stated		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
	Sydney South West	12677	72.6	1965	11.3	2429	13.9	379	2.2	17450
South Eastern Sydney and Illawarra	9168	81.8	681	6.1	1230	11.0	135	1.2	11214	100.0
Sydney West	10630	75.9	861	6.1	2092	14.9	424	3.0	14007	100.0
Northern Sydney and Central Coast	6676	85.4	402	5.1	677	8.7	65	0.8	7820	100.0
Hunter and New England	6983	78.0	310	3.5	1549	17.3	105	1.2	8947	100.0
North Coast	5264	87.9	158	2.6	517	8.6	52	0.9	5991	100.0
Greater Southern	2683	78.8	110	3.2	580	17.0	33	1.0	3406	100.0
Greater Western	2997	79.8	73	1.9	618	16.5	67	1.8	3755	100.0
Private hospitals	19201	83.6	1508	6.6	2141	9.3	118	0.5	22968	100.0
TOTAL*	76398	79.8	6068	6.3	11833	12.4	1404	1.5	95703	100.0

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

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

Table 50. Live births by type of infant feeding, hospital and maternity service level, NSW 2008#

Maternity service level–hospital	Full breast-feeding		Any breast-feeding		Infant feeding Infant formula only		Not stated		Total	
	No.	%	No.	%	No.	%	No.	%	No.	%
	Level 6									
Royal Prince Alfred	4188	79.5	722	13.7	292	5.5	64	1.2	5266	100.0
Royal North Shore	1738	86.3	158	7.8	95	4.7	23	1.1	2014	100.0
Royal Hospital for Women	3641	86.6	281	6.7	237	5.6	46	1.1	4205	100.0
Liverpool	1893	61.4	429	13.9	581	18.9	179	5.8	3082	100.0
Nepean	2586	70.9	150	4.1	737	20.2	176	4.8	3649	100.0
Westmead	3405	75.5	400	8.9	537	11.9	169	3.7	4511	100.0
John Hunter	2908	77.3	132	3.5	686	18.2	34	0.9	3760	100.0
TOTAL	20359	76.9	2272	8.6	3165	11.9	691	2.6	26487	100.0
Level 5										
Gosford	2143	82.0	64	2.4	386	14.8	20	0.8	2613	100.0
St. George	1933	78.1	262	10.6	242	9.8	38	1.5	2475	100.0
Blacktown	2497	77.0	209	6.4	495	15.3	41	1.3	3242	100.0
Lismore Base	1201	88.0	40	2.9	110	8.1	14	1.0	1365	100.0
Tweed Heads	1165	90.9	21	1.6	91	7.1	4	0.3	1281	100.0
Port Macquarie Base	737	87.4	13	1.5	87	10.3	6	0.7	843	100.0
Wollongong	1856	75.7	67	2.7	492	20.1	37	1.5	2452	100.0
Maitland	1172	73.5	69	4.3	344	21.6	9	0.6	1594	100.0
Wagga Wagga Base	527	72.4	28	3.8	167	22.9	6	0.8	728	100.0
TOTAL	13231	79.7	773	4.7	2414	14.5	175	1.1	16593	100.0
Level 4										
Canterbury	1269	79.7	151	9.5	141	8.9	31	1.9	1592	100.0
Hornsby	1101	85.7	107	8.3	68	5.3	8	0.6	1284	100.0
Manly	849	89.3	44	4.6	51	5.4	7	0.7	951	100.0
Mona Vale	605	87.7	28	4.1	53	7.7	4	0.6	690	100.0
Sutherland	1003	86.9	34	2.9	110	9.5	7	0.6	1154	100.0
Auburn	1167	85.4	74	5.4	101	7.4	25	1.8	1367	100.0
Campbelltown	1822	68.0	149	5.6	665	24.8	42	1.6	2678	100.0
Bankstown-Lidcombe	1748	79.7	104	4.7	304	13.9	36	1.6	2192	100.0
Hawkesbury	628	77.7	18	2.2	155	19.2	7	0.9	808	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.	%				
Coffs Harbour	944	88.9	34	3.2	78	7.3	6	0.6	1062	100.0				
Grafton Base	353	74.9	34	7.2	82	17.4	2	0.4	471	100.0				
Tamworth Base	594	77.0	23	3.0	134	17.4	20	2.6	771	100.0				
Manning Base	592	81.7	18	2.5	105	14.5	10	1.4	725	100.0				
Dubbo Base	874	75.0	14	1.2	257	22.1	20	1.7	1165	100.0				
Orange Base	759	84.6	10	1.1	110	12.3	18	2.0	897	100.0				
Goulburn Base	218	72.7	10	3.3	67	22.3	5	1.7	300	100.0				
Griffith Base	307	72.9	15	3.6	93	22.1	6	1.4	421	100.0				
TOTAL	14833	80.1	867	4.7	2574	13.9	254	1.4	18528	100.0				
Level 3														
Blue Mountains	174	89.2	4	2.1	15	7.7	2	1.0	195	100.0				
Fairfield	1225	61.6	382	19.2	362	18.2	21	1.1	1990	100.0				
Kempsey	244	79.0	4	1.3	46	14.9	15	4.9	309	100.0				
Murwillumbah	346	93.0	10	2.7	14	3.8	2	0.5	372	100.0				
Armidale	384	82.8	17	3.7	56	12.1	7	1.5	464	100.0				
Inverell	200	75.8	23	8.7	37	14.0	4	1.5	264	100.0				
Moree	159	77.9	10	4.9	29	14.2	6	2.9	204	100.0				
Mudgee	195	80.9	6	2.5	38	15.8	2	0.8	241	100.0				
Bathurst Base	514	86.0	8	1.3	68	11.4	8	1.3	598	100.0				
Lithgow	173	73.6	6	2.6	52	22.1	4	1.7	235	100.0				
Bega	183	90.1	6	3.0	12	5.9	2	1.0	203	100.0				
Cooma	196	90.7	8	3.7	11	5.1	1	0.5	216	100.0				
Moruya	323	86.6	9	2.4	38	10.2	3	0.8	373	100.0				
Queanbeyan	242	89.3	9	3.3	18	6.6	2	0.7	271	100.0				
Bowral	531	81.8	28	4.3	84	12.9	6	0.9	649	100.0				
Shoalhaven	651	77.9	33	3.9	145	17.3	7	0.8	836	100.0				
Broken Hill Base	204	73.9	18	6.5	52	18.8	2	0.7	276	100.0				
Other hospitals	1582	78.4	56	2.8	349	17.3	30	1.5	2017	100.0				
TOTAL	7526	77.5	637	6.6	1426	14.7	124	1.3	9713	100.0				
Level 2														
Singleton	171	83.4	3	1.5	31	15.1	0	0.0	205	100.0				
Other hospitals	936	91.1	8	0.8	71	6.9	12	1.2	1027	100.0				
TOTAL	1107	89.9	11	0.9	102	8.3	12	1.0	1232	100.0				
Private														
Mater, North Sydney	2098	88.6	181	7.6	83	3.5	5	0.2	2367	100.0				
North Shore Private	2343	86.0	222	8.1	150	5.5	10	0.4	2725	100.0				
Sydney Adventist	1944	88.1	0	0.0	246	11.1	17	0.8	2207	100.0				
North Gosford Private	774	88.5	34	3.9	60	6.9	7	0.8	875	100.0				
Hurstville Community	708	76.7	89	9.6	122	13.2	4	0.4	923	100.0				
Kareena Private	546	86.0	23	3.6	65	10.2	1	0.2	635	100.0				
St. George Private	1451	77.1	215	11.4	193	10.3	22	1.2	1881	100.0				
Prince of Wales Private	1874	89.6	118	5.6	98	4.7	2	0.1	2092	100.0				
The Hills Private	1044	81.5	65	5.1	165	12.9	7	0.5	1281	100.0				
Sydney Southwest Private	883	77.9	54	4.8	185	16.3	11	1.0	1133	100.0				
Nepean Private	644	71.2	96	10.6	160	17.7	4	0.4	904	100.0				
Westmead Private	1629	73.1	355	15.9	221	9.9	23	1.0	2228	100.0				
Figtree Private	765	81.0	23	2.4	156	16.5	1	0.1	945	100.0				
Newcastle Private	1718	91.2	0	0.0	162	8.6	3	0.2	1883	100.0				
Calvary, Wagga Wagga	552	86.8	28	4.4	55	8.6	1	0.2	636	100.0				
Other hospitals	228	90.1	5	2.0	20	7.9	0	0.0	253	100.0				
TOTAL	19201	83.6	1508	6.6	2141	9.3	118	0.5	22968	100.0				
TOTAL NSW*	76398	79.8	6068	6.3	11833	12.4	1404	1.5	95703	100.0				

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

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

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

Baby discharge status

Table 51 shows the discharge status of babies for area health services, and Table 52 for individual hospitals by maternity service level where at least 200 mothers gave birth in 2008.

Table 51. Baby discharge status by health area of hospital, NSW 2008

Health area	Baby discharge status												Total	
	Discharged		Transferred		Stillborn		Died		Transferred and died		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	16924	96.2	454	2.6	137	0.8	69	0.4	3	0.0	3	0.0	17590	100.0
South Eastern Sydney and Illawarra	10960	97.0	210	1.9	78	0.7	44	0.4	0	0.0	7	0.1	11299	100.0
Sydney West	13350	94.5	595	4.2	94	0.7	62	0.4	0	0.0	28	0.2	14129	100.0
Northern Sydney and Central Coast	7131	90.6	664	8.4	47	0.6	25	0.3	0	0.0	4	0.1	7871	100.0
Hunter and New England	8376	92.8	538	6.0	72	0.8	33	0.4	0	0.0	3	0.0	9022	100.0
North Coast	5768	95.5	216	3.6	47	0.8	7	0.1	0	0.0	0	0.0	6038	100.0
Greater Southern	3234	94.6	167	4.9	12	0.4	5	0.1	0	0.0	0	0.0	3418	100.0
Greater Western	3255	86.2	492	13.0	18	0.5	7	0.2	1	0.0	2	0.1	3775	100.0
Private Hospitals	22740	98.7	214	0.9	79	0.3	11	0.0	3	0.0	4	0.0	23051	100.0
TOTAL*	91882	95.4	3551	3.7	585	0.6	263	0.3	7	0.0	55	0.1	96343	100.0

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

* Total includes homebirths assisted by independent midwives.

Table 52. Baby discharge status by hospital and maternity service level, NSW 2008#

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	5122	96.4	122	2.3	48	0.9	22	0.4	0	0.0	0	0.0	5314	100.0
Royal North Shore	1869	91.8	129	6.3	23	1.1	16	0.8	0	0.0	0	0.0	2037	100.0
Royal Hospital for Women	4076	96.1	100	2.4	37	0.9	29	0.7	0	0.0	0	0.0	4242	100.0
Liverpool	2841	91.1	204	6.5	36	1.2	35	1.1	2	0.1	0	0.0	3118	100.0
Nepean	3387	92.0	243	6.6	21	0.6	19	0.5	0	0.0	10	0.3	3680	100.0
Westmead	4226	92.5	259	5.7	46	1.0	26	0.6	0	0.0	11	0.2	4568	100.0
John Hunter	3505	92.1	227	6.0	46	1.2	28	0.7	0	0.0	0	0.0	3806	100.0
TOTAL	25026	93.5	1284	4.8	257	1.0	175	0.7	2	0.0	21	0.1	26765	100.0
Level 5														
Gosford	2112	80.3	493	18.7	17	0.6	8	0.3	0	0.0	0	0.0	2630	100.0
St. George	2431	97.2	38	1.5	18	0.7	6	0.2	0	0.0	7	0.3	2500	100.0
Blacktown	3192	97.9	38	1.2	17	0.5	12	0.4	0	0.0	1	0.0	3260	100.0
Lismore Base	1312	94.9	51	3.7	18	1.3	2	0.1	0	0.0	0	0.0	1383	100.0
Tweed Heads	1250	97.4	28	2.2	2	0.2	3	0.2	0	0.0	0	0.0	1283	100.0
Port Macquarie Base	810	95.3	32	3.8	7	0.8	1	0.1	0	0.0	0	0.0	850	100.0
Wollongong	2392	97.0	53	2.2	13	0.5	7	0.3	0	0.0	0	0.0	2465	100.0
Maitland	1472	91.7	118	7.4	11	0.7	4	0.2	0	0.0	0	0.0	1605	100.0
Wagga Wagga Base	652	89.2	76	10.4	3	0.4	0	0.0	0	0.0	0	0.0	731	100.0
TOTAL	15623	93.5	927	5.5	106	0.6	43	0.3	0	0.0	8	0.0	16707	100.0
Level 4														
Canterbury	1573	98.3	17	1.1	6	0.4	2	0.1	0	0.0	3	0.2	1601	100.0
Hornsby	1272	98.6	11	0.9	6	0.5	1	0.1	0	0.0	0	0.0	1290	100.0
Manly	943	98.6	8	0.8	1	0.1	0	0.0	0	0.0	4	0.4	956	100.0
Mona Vale	682	98.8	8	1.2	0	0	0	0.0	0	0.0	0	0.0	690	100.0
Sutherland	1144	98.7	8	0.7	5	0.4	2	0.2	0	0.0	0	0.0	1159	100.0
Auburn	1345	98.2	18	1.3	3	0.2	4	0.3	0	0.0	0	0.0	1370	100.0
Campbelltown	2637	97.8	38	1.4	18	0.7	3	0.1	0	0.0	0	0.0	2696	100.0
Bankstown-Lidcombe	2147	97.3	41	1.9	14	0.6	3	0.1	1	0.0	0	0.0	2206	100.0

Table 52. (Continued)

Maternity service level–hospital	Baby discharge status												TOTAL	
	Discharged		Transferred		Stillborn		Died		Transferred and died		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Hawkesbury	800	98.3	8	1.0	6	0.7	0	0.0	0	0.0	0	0.0	814	100.0
Coffs Harbour	1000	93.4	61	5.7	9	0.8	1	0.1	0	0.0	0	0.0	1071	100.0
Grafton Base	465	97.5	6	1.3	6	1.3	0	0.0	0	0.0	0	0.0	477	100.0
Tamworth Base	666	86.0	105	13.6	3	0.4	0	0.0	0	0.0	0	0.0	774	100.0
Manning Base	711	97.5	13	1.8	4	0.5	1	0.1	0	0.0	0	0.0	729	100.0
Dubbo Base	891	76.1	271	23.1	5	0.4	3	0.3	0	0.0	1	0.1	1171	100.0
Orange Base	819	90.7	76	8.4	6	0.7	2	0.2	0	0.0	0	0.0	903	100.0
Goulburn Base	293	97.3	7	2.3	1	0.3	0	0.0	0	0.0	0	0.0	301	100.0
Griffith Base	410	96.5	9	2.1	4	0.9	2	0.5	0	0.0	0	0.0	425	100.0
TOTAL	17798	95.5	705	3.8	97	0.5	24	0.1	1	0.0	8	0.0	18633	100.0
Level 3														
Blue Mountains	190	94.1	5	2.5	1	0.5	0	0.0	0	0.0	6	3.0	202	100.0
Fairfield	1963	98.1	25	1.2	11	0.5	2	0.1	0	0.0	0	0.0	2001	100.0
Kempsey	293	93.9	16	5.1	3	1.0	0	0.0	0	0.0	0	0.0	312	100.0
Murwillumbah	368	98.7	4	1.1	1	0.3	0	0.0	0	0.0	0	0.0	373	100.0
Armidale	451	96.0	13	2.8	6	1.3	0	0.0	0	0.0	0	0.0	470	100.0
Inverell	257	97.0	7	2.6	1	0.4	0	0.0	0	0.0	0	0.0	265	100.0
Moree	194	94.6	10	4.9	0	0.0	0	0.0	0	0.0	1	0.5	205	100.0
Mudgee	235	97.1	6	2.5	1	0.4	0	0.0	0	0.0	0	0.0	242	100.0
Bathurst Base	523	87.0	75	12.5	3	0.5	0	0.0	0	0.0	0	0.0	601	100.0
Lithgow	210	89.4	24	10.2	0	0.0	1	0.4	0	0.0	0	0.0	235	100.0
Bega	195	96.1	8	3.9	0	0.0	0	0.0	0	0.0	0	0.0	203	100.0
Cooma	209	96.8	7	3.2	0	0.0	0	0.0	0	0.0	0	0.0	216	100.0
Moruya	359	96.0	13	3.5	1	0.3	1	0.3	0	0.0	0	0.0	374	100.0
Queanbeyan	263	96.7	8	2.9	1	0.4	0	0.0	0	0.0	0	0.0	272	100.0
Bowral	640	98.0	7	1.1	4	0.6	2	0.3	0	0.0	0	0.0	653	100.0
Shoalhaven	825	98.1	11	1.3	5	0.6	0	0.0	0	0.0	0	0.0	841	100.0
Broken Hill Base	266	95.7	8	2.9	2	0.7	1	0.4	1	0.4	0	0.0	278	100.0
Other hospitals	1911	94.5	103	5.1	4	0.2	3	0.1	0	0.0	1	0.0	2022	100.0
TOTAL	9352	95.8	350	3.6	44	0.5	10	0.1	1	0.0	8	0.1	9765	100.0
Level 2														
Singleton	204	99.5	1	0.5	0	0.0	0	0.0	0	0.0	0	0.0	205	100.0
Other hospitals	980	95.1	47	4.6	1	0.1	0	0.0	0	0.0	2	0.2	1030	100.0
TOTAL	1184	95.9	48	3.9	1	0.1	0	0.0	0	0.0	2	0.2	1235	100.0
Private														
Mater, North Sydney	2356	99.2	10	0.4	9	0.4	1	0.0	0	0.0	0	0.0	2376	100.0
North Shore Private	2710	99.2	10	0.4	6	0.2	4	0.1	1	0.0	0	0.0	2731	100.0
Sydney Adventist	2185	98.4	22	1.0	13	0.6	0	0.0	0	0.0	0	0.0	2220	100.0
North Gosford Private	866	98.1	9	1.0	6	0.7	0	0.0	0	0.0	2	0.2	883	100.0
Hurstville Community	909	98.4	14	1.5	1	0.1	0	0.0	0	0.0	0	0.0	924	100.0
Kareena Private	631	99.4	4	0.6	0	0.0	0	0.0	0	0.0	0	0.0	635	100.0
St. George Private	1864	98.7	16	0.8	7	0.4	1	0.1	0	0.0	1	0.1	1889	100.0
Prince of Wales Private	2080	99.3	11	0.5	2	0.1	0	0.0	1	0.0	1	0.0	2095	100.0
The Hills Private	1269	99.0	11	0.9	1	0.1	1	0.1	0	0.0	0	0.0	1282	100.0
Sydney Southwest Private	1128	99.3	5	0.4	3	0.3	0	0.0	0	0.0	0	0.0	1136	100.0
Nepean Private	893	98.6	10	1.1	2	0.2	0	0.0	1	0.1	0	0.0	906	100.0
Westmead Private	2194	98.0	30	1.3	10	0.4	4	0.2	0	0.0	0	0.0	2238	100.0
Figtree Private	939	98.9	6	0.6	4	0.4	0	0.0	0	0.0	0	0.0	949	100.0
Newcastle Private	1846	97.5	37	2.0	11	0.6	0	0.0	0	0.0	0	0.0	1894	100.0
Calvary, Wagga Wagga	619	96.9	17	2.7	3	0.5	0	0.0	0	0.0	0	0.0	639	100.0
Other hospitals	251	98.8	2	0.8	1	0.4	0	0.0	0	0.0	0	0.0	254	100.0
TOTAL	22740	98.7	214	0.9	79	0.3	11	0.0	3	0.0	4	0.0	23051	100.0
TOTAL NSW*	91882	95.4	3551	3.7	585	0.6	263	0.3	7	0.0	55	0.1	96343	100.0

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

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

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

Postnatal length of stay

Table 53 shows the mother's postnatal length of stay in the hospital of birth for hospitals where at least 200 mothers gave birth in 2008.

Table 53. Average maternal postnatal length of stay in hospital of birth, NSW 2003-2007#

Health area-hospital	Average postnatal length of stay (days)				
	2003	2004	2005	2006	2007
Sydney South West					
Canterbury	3.0	3.0	2.9	2.8	3.0
Royal Prince Alfred	3.7	3.9	3.7	3.6	3.5
Fairfield	2.6	2.6	2.7	2.6	2.6
Liverpool	2.7	2.8	2.9	2.9	3.0
Campbelltown	2.6	2.5	2.7	2.8	2.7
Bankstown-Lidcombe	2.8	2.8	2.7	2.7	2.8
Bowral	2.2	2.2	2.4	2.2	2.6
Other hospitals	2.7	2.8	2.8	0	0
ALL HOSPITALS	3.0	3.0	3.0	3.0	3.0
South Eastern Sydney and Illawarra					
St. George	2.8	2.7	2.5	2.5	2.5
Sutherland	3.1	3.1	2.9	3.1	2.8
Royal Hospital for Women	3.5	3.5	3.4	3.4	3.5
Shoalhaven	2.4	2.6	2.7	2.9	2.8
Wollongong	2.7	2.5	2.2	2.3	2.5
Other hospitals	2.5	2.3	2.4	2.7	2.6
ALL HOSPITALS	3.0	3.0	2.8	2.9	2.9
Sydney West					
Auburn	2.8	2.9	2.8	2.8	2.6
Blacktown	3.1	3.1	3.0	3.0	2.9
Blue Mountains	3.4	3.0	3.1	3.3	3.3
Nepean	3.2	3.3	3.1	3.0	2.8
Westmead	3.2	3.2	3.1	2.8	2.6
Hawkesbury	3.2	3.4	3.3	3.4	3.2
Lithgow	3.5	3.5	3.1	3.0	2.8
ALL HOSPITALS	3.2	3.2	3.1	2.9	2.8
Northern Sydney and Central Coast					
Gosford	2.5	2.5	2.1	2.1	2.1
Wyang	2.1	2.1	2.0	2.0	1.8
Hornsby	2.9	2.9	2.8	2.6	2.4
Manly	3.6	3.8	3.6	3.5	2.9
Mona Vale	3.3	3.2	3.0	2.9	2.6
Royal North Shore	3.5	3.3	3.4	3.3	3.0
Other hospitals	3.3	3.1	1.9	1.0	0.5
ALL HOSPITALS	3.0	3.0	2.8	2.7	2.5
Hunter and New England					
Armidale	3.8	3.9	3.4	3.4	3.3
Inverell	3.0	3.3	3.4	3.3	3.2
Moree	3.5	3.4	3.4	3.4	3.1
Tamworth Base	3.4	3.5	3.2	3.0	2.9
Manning Base	3.1	3.3	3.1	3.2	3.1
Maitland	2.4	2.5	2.4	2.4	2.4
Muswellbrook	3.1	2.8	3.0	2.8	2.5
John Hunter	3.2	3.3	3.3	3.1	3.0
Other hospitals	3.2	3.1	2.8	2.6	2.4
ALL HOSPITALS	3.1	3.1	3.1	2.9	2.9

Table 53. (Continued)

Health area–hospital	Average postnatal length of stay (days)				
	2003	2004	2005	2006	2007
North Coast					
Coffs Harbour	3.9	3.9	3.7	3.6	3.5
Grafton Base	3.6	3.6	3.6	3.4	3.5
Kempsey	3.1	3.1	3.0	2.9	3.1
Lismore Base	3.2	3.5	3.2	3.4	3.2
Murwillumbah	3.4	3.7	3.8	3.3	3.4
Tweed Heads	3.1	3.1	3.1	2.9	2.6
Port Macquarie Base	3.5	3.6	3.5	3.3	3.3
Other hospitals	2.5	2.5	2.6	2.4	2.3
ALL HOSPITALS	3.3	3.5	3.3	3.2	3.1
Greater Southern					
Goulburn Base	3.3	3.5	3.4	3.5	3.2
Moruya	2.7	2.7	2.7	2.7	2.6
Queanbeyan	3.0	3.0	3.1	3.0	2.7
Griffith Base	3.2	3.2	3.1	3.0	3.1
Wagga Wagga Base	3.0	2.9	2.7	2.7	2.5
Other hospitals	3.7	3.6	3.5	3.5	3.2
ALL HOSPITALS	3.3	3.3	3.1	3.1	2.9
Greater Western					
Dubbo Base	2.4	2.4	2.8	2.4	2.5
Mudgee	3.2	3.0	2.8	2.8	2.7
Bathurst Base	2.9	3.0	3.0	2.8	2.9
Cowra	3.5	3.3	3.1	3.0	2.9
Orange Base	3.1	3.0	3.0	2.8	3.1
Broken Hill Base	3.3	3.7	3.5	3.6	3.4
Other hospitals	3.3	3.0	3.0	3.2	2.9
ALL HOSPITALS	2.9	2.9	2.9	2.8	2.9
Private Hospitals					
Mater, North Sydney	4.4	4.5	4.4	4.5	4.4
North Shore Private	4.4	4.4	4.4	4.4	4.4
Sydney Adventist	4.6	4.6	4.6	4.7	4.7
North Gosford Private	4.7	4.7	4.8	4.6	4.4
Hurstville Community	4.5	4.5	4.5	4.5	4.5
Kareena Private	4.8	4.5	4.5	4.5	4.5
St. George Private	4.6	4.6	4.6	4.3	4.2
Prince of Wales Private	4.6	4.6	4.5	4.5	4.4
The Hills Private	4.7	4.6	4.6	4.5	4.4
Sydney Southwest Private	4.4	4.4	4.3	4.3	4.4
Nepean Private	4.6	4.6	4.6	4.6	4.9
Westmead Private	4.2	4.1	4.0	4.0	4.0
Figtree Private	5.3	5.2	5.2	5.3	5.3
Newcastle Private	5.9	4.4	4.3	4.0	4.0
Calvary, Wagga Wagga	4.8	4.7	4.8	4.7	4.7
Other private hospitals	4.8	4.9	4.9	5.1	4.8
ALL HOSPITALS	4.6	4.6	4.5	4.5	4.4
TOTAL NSW*	3.4	3.4	3.4	3.3	3.2

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.
Hospitals with more than 200 births are identified individually.
* Total NSW includes home births 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 2008, totals for hospitals within each health area, and the NSW total.

Table 54. 1.1 Selected primipara who have a spontaneous vaginal birth by hospital, NSW 2007–2008[#]

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	58.0	57.2	Coffs Harbour	60.2	56.1
Royal Prince Alfred	53.8	54.0	Grafton Base	57.5	55.9
Fairfield	73.5	75.8	Kempsey	73.5	73.8
Liverpool	62.6	65.0	Lismore Base	60.3	60.0
Campbelltown	67.6	66.9	Murwillumbah	61.7	63.7
Bankstown-Lidcombe	62.1	63.6	Tweed Heads	65.2	66.8
Bowral	48.9	55.6	Port Macquarie Base	62.4	57.7
TOTAL	60.2	61.3	Other hospitals	87.0	98.3
South Eastern Sydney and Illawarra			TOTAL	63.4	62.6
St. George	57.6	50.9	Greater Southern		
Sutherland	66.2	70.3	Bega	61.5	56.3
Royal Hospital for Women	49.5	49.4	Cooma	75.5	71.4
Shoalhaven	57.2	55.8	Goulburn Base	52.0	55.6
Wollongong	55.9	59.8	Moruya	58.2	53.5
Other hospitals	58.1	60.0	Queanbeyan	68.0	63.6
TOTAL	55.0	54.5	Griffith Base	64.2	58.6
Sydney West			Wagga Wagga Base	54.3	49.1
Auburn	69.2	70.8	Other hospitals	50.2	53.8
Blacktown	54.8	54.4	TOTAL	57.5	55.9
Blue Mountains	55.7	47.2	Greater Western		
Nepean	49.0	47.5	Dubbo Base	54.8	57.1
Westmead	57.2	50.9	Mudgee	56.7	57.9
Hawkesbury	50.0	45.9	Bathurst Base	64.9	66.7
Lithgow	63.0	59.6	Orange Base	50.6	56.4
TOTAL	55.7	52.6	Broken Hill Base	53.8	47.9
Northern Sydney and Central Coast			Other hospitals	56.5	64.8
Gosford	43.7	46.4	TOTAL	55.5	58.9
Hornsby	52.3	49.0	Private Hospitals		
Manly	63.4	55.0	Mater, North Sydney	29.8	28.2
Mona Vale	44.2	45.8	North Shore Private	33.9	31.3
Royal North Shore	54.5	54.8	Sydney Adventist	44.0	42.8
Other hospitals	88.2	98.6	North Gosford Private	34.1	30.7
TOTAL	52.9	52.0	Hurstville Community	35.5	36.7
Hunter and New England			Kareena Private	21.9	20.9
Armidale	71.6	59.5	St. George Private	35.1	31.3
Inverell	43.1	39.2	Prince of Wales Private	39.7	40.8
Moree	67.3	62.5	The Hills Private	41.9	47.5
Tamworth Base	46.4	45.3	Sydney Southwest Private	55.2	51.8
Manning Base	59.7	63.0	Nepean Private	44.1	42.1
Maitland	58.0	56.0	Westmead Private	43.5	40.6
Singleton	68.2	62.3	Figtree Private	41.7	45.8
John Hunter	60.4	59.9	Newcastle Private	41.8	41.7
Other hospitals	70.2	70.9	Calvary, Wagga Wagga	36.8	37.1
TOTAL	59.8	58.9	Other hospitals	31.9	43.5
			TOTAL	38.9	38.0
			TOTAL NSW*	52.7	52.1

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

[#] Hospitals with more than 200 deliveries are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

Outcome of selected primipara. Indicator 1.2

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

A selected primipara is defined as a woman who is 20-34 years of age at the time of giving birth; giving birth for the first

time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37⁰ to 41⁰ weeks gestation.

Table 55 shows aggregate information for hospitals where at least 200 mothers gave birth in 2008, totals for hospitals within each health area, and the NSW total.

Table 55. 1.2 Selected primipara who undergo induction of labour by hospital, NSW 2007–2008#

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	28.5	27.8	Coffs Harbour	20.8	23.5
Royal Prince Alfred	25.7	25.1	Grafton Base	32.5	40.5
Fairfield	23.7	19.0	Kempsey	8.2	31.1
Liverpool	27.3	31.2	Lismore Base	33.9	24.0
Campbelltown	30.6	27.3	Murwillumbah	20.2	21.6
Bankstown-Lidcombe	33.5	28.3	Tweed Heads	27.8	26.6
Bowral	35.1	36.8	Port Macquarie Base	32.5	24.5
TOTAL	27.8	26.7	Other hospitals	0.0	0.0
South Eastern Sydney and Illawarra			Greater Southern		
St. George	35.1	39.7	Bega	33.3	27.1
Sutherland	30.5	29.9	Cooma	20.4	14.3
Royal Hospital for Women	35.2	33.8	Goulburn Base	8.0	9.7
Shoalhaven	28.9	32.0	Moruya	27.8	29.6
Wollongong	39.7	43.2	Queanbeyan	26.7	29.9
Other hospitals	54.8	30.0	Griffith Base	19.5	15.2
TOTAL	35.3	36.4	Wagga Wagga Base	31.4	26.0
Sydney West			Greater Western		
Auburn	32.3	29.5	Dubbo Base	31.2	34.5
Blacktown	43.2	40.4	Mudgee	28.3	31.6
Blue Mountains	35.4	26.4	Bathurst Base	23.9	16.7
Nepean	37.9	41.3	Orange Base	35.9	33.6
Westmead	43.0	44.5	Broken Hill Base	24.6	15.5
Hawkesbury	43.0	39.7	Other hospitals	35.5	27.0
Lithgow	41.3	22.8	TOTAL	31.2	28.6
TOTAL	40.5	40.6	Private Hospitals		
Northern Sydney and Central Coast			Mater, North Sydney	29.7	30.7
Gosford	36.4	38.2	North Shore Private	27.2	30.3
Hornsby	28.8	37.6	Sydney Adventist	35.8	32.0
Manly	32.8	30.7	North Gosford Private	31.8	29.9
Mona Vale	46.5	43.2	Hurstville Community	36.2	36.3
Royal North Shore	33.0	35.7	Kareena Private	36.3	45.0
Other hospitals	0.0	0.0	St. George Private	35.5	32.0
TOTAL	33.1	35.6	Prince of Wales Private	28.1	25.2
Hunter and New England			The Hills Private	46.1	47.2
Armidale	33.3	35.5	Sydney Southwest Private	33.4	36.3
Inverell	31.4	33.3	Nepean Private	34.0	40.7
Moree	26.5	35.4	Westmead Private	37.2	34.3
Tamworth Base	37.5	44.8	Figtree Private	51.0	49.8
Manning Base	23.7	33.6	Newcastle Private	30.1	33.3
Maitland	39.1	40.3	Calvary, Wagga Wagga	27.1	26.9
Singleton	36.4	35.8	Other hospitals	33.3	37.1
John Hunter	28.5	34.0	TOTAL	33.9	33.9
Other hospitals	20.5	22.5	TOTAL NSW*		
TOTAL	30.8	35.0		32.8	33.0

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

Outcome of selected primipara. Indicator 1.3

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

A selected primipara is defined as a woman who is 20-34 years of age at the time of giving birth; giving birth for the first time

at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37⁰ to 41⁰ weeks gestation.

Table 56 shows aggregate information for hospitals where at least 200 mothers gave birth in 2008, totals for hospitals within each health area, and the NSW total.

Table 56. 1.3 Selected primipara who undergo an instrumental vaginal birth by hospital, NSW 2007–2008#

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	22.1	26.1	Coffs Harbour	16.3	18.6
Royal Prince Alfred	22.7	20.5	Grafton Base	17.5	17.1
Fairfield	11.9	11.2	Kempsey	6.1	3.3
Liverpool	19.8	15.6	Lismore Base	12.4	13.2
Campbelltown	9.7	12.8	Murwillumbah	11.7	17.6
Bankstown-Lidcombe	21.4	20.9	Tweed Heads	15.8	15.6
Bowral	30.5	29.2	Port Macquarie Base	17.3	22.1
TOTAL	19.6	18.6	Other hospitals	13.0	1.7
South Eastern Sydney and Illawarra			TOTAL	14.7	15.8
St. George	23.6	25.6	Greater Southern		
Sutherland	16.4	16.4	Bega	10.3	25.0
Royal Hospital for Women	26.0	26.1	Cooma	4.1	10.7
Shoalhaven	15.7	17.1	Goulburn Base	18.7	26.4
Wollongong	20.3	20.2	Moruya	21.5	25.4
Other hospitals	22.6	35.0	Queanbeyan	18.7	23.4
TOTAL	22.8	23.4	Griffith Base	23.6	19.2
Sydney West			Wagga Wagga Base	20.0	22.5
Auburn	13.7	14.9	Other hospitals	24.1	20.1
Blacktown	20.0	22.5	TOTAL	20.2	21.5
Blue Mountains	22.8	18.9	Greater Western		
Nepean	22.1	22.8	Dubbo Base	17.6	17.5
Westmead	22.0	27.1	Mudgee	26.7	23.7
Hawkesbury	15.2	16.3	Bathurst Base	7.5	14.6
Lithgow	10.9	10.5	Orange Base	21.2	20.0
TOTAL	20.1	22.9	Broken Hill Base	12.3	14.1
Northern Sydney and Central Coast			Other hospitals	16.9	11.5
Gosford	21.0	22.1	TOTAL	17.1	17.1
Hornsby	24.0	20.4	Private Hospitals		
Manly	18.8	23.0	Mater, North Sydney	35.9	35.9
Mona Vale	35.0	28.1	North Shore Private	28.1	29.2
Royal North Shore	19.5	18.3	Sydney Adventist	22.1	27.8
Other hospitals	7.5	1.4	North Gosford Private	22.4	21.2
TOTAL	21.5	20.7	Hurstville Community	29.1	34.2
Hunter and New England			Kareena Private	33.6	40.3
Armidale	11.8	15.7	St. George Private	29.6	34.8
Inverell	19.6	19.6	Prince of Wales Private	24.6	23.0
Moree	16.3	10.4	The Hills Private	35.6	30.2
Tamworth Base	31.3	27.9	Sydney Southwest Private	22.1	23.7
Manning Base	21.6	16.4	Nepean Private	26.5	27.5
Maitland	19.4	16.8	Westmead Private	28.7	27.0
Singleton	29.5	30.2	Figtree Private	31.1	31.6
John Hunter	22.2	23.1	Newcastle Private	24.5	28.8
Other hospitals	15.6	11.7	Calvary, Wagga Wagga	33.3	29.3
TOTAL	21.4	20.0	Other hospitals	34.8	29.0
			TOTAL	28.2	29.3
			TOTAL NSW*	22.3	22.7

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

Outcome of selected primipara. Indicator 1.4

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

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at

greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37⁰ to 41⁰ weeks gestation.

Table 57 shows aggregate information for hospitals where at least 200 mothers gave birth in 2008, totals for hospitals within each health area, and the NSW total.

Table 57. 1.4 Selected primipara undergoing caesarean section by hospital, NSW 2007–2008[#]

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	19.9	16.7	Coffs Harbour	23.5	25.3
Royal Prince Alfred	23.3	25.5	Grafton Base	25.0	27.0
Fairfield	14.7	13.0	Kempsey	20.4	21.3
Liverpool	17.6	19.4	Lismore Base	27.0	26.8
Campbelltown	22.8	20.3	Murwillumbah	26.6	18.6
Bankstown-Lidcombe	16.5	15.3	Tweed Heads	19.0	17.3
Bowral	20.1	15.2	Port Macquarie Base	20.3	20.2
TOTAL	20.1	20.1	Other hospitals	0.0	0.0
South Eastern Sydney and Illawarra			TOTAL	21.8	21.5
St. George	18.8	23.5	Greater Southern		
Sutherland	17.4	13.3	Bega	28.2	18.8
Royal Hospital for Women	24.5	24.5	Cooma	20.4	17.9
Shoalhaven	27.1	27.1	Goulburn Base	29.3	18.1
Wollongong	23.8	20.0	Moruya	20.3	21.1
Other hospitals	19.4	5.0	Queanbeyan	13.3	13.0
TOTAL	22.2	22.2	Griffith Base	12.2	22.2
Sydney West			Wagga Wagga Base	25.7	28.4
Auburn	17.1	14.3	Other hospitals	25.7	25.5
Blacktown	25.2	23.1	TOTAL	22.3	22.4
Blue Mountains	21.5	34.0	Greater Western		
Nepean	28.9	29.7	Dubbo Base	25.1	25.0
Westmead	20.8	22.1	Mudgee	16.7	18.4
Hawkesbury	34.8	37.8	Bathurst Base	27.6	18.8
Lithgow	26.1	29.8	Orange Base	27.7	23.6
TOTAL	24.2	24.5	Broken Hill Base	33.8	36.6
Northern Sydney and Central Coast			Other hospitals	26.6	23.8
Gosford	35.3	31.5	TOTAL	26.4	23.8
Hornsby	23.8	30.7	Private Hospitals		
Manly	17.8	22.0	Mater, North Sydney	34.2	35.9
Mona Vale	20.7	26.0	North Shore Private	37.8	39.5
Royal North Shore	26.0	27.0	Sydney Adventist	33.9	29.4
Other hospitals	4.3	0.0	North Gosford Private	43.1	48.1
TOTAL	25.7	27.3	Hurstville Community	35.1	29.1
Hunter and New England			Kareena Private	44.5	38.7
Armidale	16.7	24.8	St. George Private	34.8	33.9
Inverell	37.3	41.2	Prince of Wales Private	35.5	36.0
Moree	16.3	27.1	The Hills Private	22.5	22.0
Tamworth Base	22.3	26.7	Sydney Southwest Private	22.4	23.7
Manning Base	18.0	20.5	Nepean Private	29.4	30.4
Maitland	22.5	27.3	Westmead Private	27.6	32.3
Singleton	2.3	7.5	Figtree Private	26.8	22.5
John Hunter	17.4	17.0	Newcastle Private	33.8	29.5
Other hospitals	14.1	17.4	Calvary, Wagga Wagga	29.9	33.5
TOTAL	18.7	21.1	Other hospitals	31.9	27.4
			TOTAL	32.7	32.6
			TOTAL NSW*	24.9	25.1

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

[#] Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

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 2008, totals for hospitals within each health area, and the NSW total.

Table 58. 2.1 Vaginal delivery after previous primary caesarean section by hospital, NSW 2007–2008*

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	16.9	12.0	Coffs Harbour	10.0	14.6
Royal Prince Alfred	13.5	11.0	Grafton Base	12.2	7.7
Fairfield	5.4	0.0	Kempsey	30.4	16.7
Liverpool	20.5	27.7	Lismore Base	20.1	18.4
Campbelltown	15.6	22.6	Murwillumbah	23.3	12.8
Bankstown-Lidcombe	11.0	22.0	Tweed Heads	19.1	17.2
Bowral	20.7	11.9	Port Macquarie Base	21.3	14.8
TOTAL	14.9	16.2	Other hospitals	100.0	0.0
South Eastern Sydney and Illawarra			TOTAL	18.7	15.7
St. George	23.0	16.6	Greater Southern		
Sutherland	6.7	6.1	Bega	9.1	18.2
Royal Hospital for Women	8.3	9.8	Cooma	18.8	22.7
Shoalhaven	6.3	3.4	Goulburn Base	26.5	30.3
Wollongong	25.3	23.4	Moruya	12.5	22.5
Other hospitals	9.1	8.3	Queanbeyan	5.3	16.7
TOTAL	14.6	13.0	Griffith Base	12.8	17.6
Sydney West			Wagga Wagga Base	8.7	13.3
Auburn	4.0	1.6	Other hospitals	6.0	11.6
Blacktown	18.4	22.5	TOTAL	11.2	17.5
Blue Mountains	0.0	0.0	Greater Western		
Nepean	14.8	16.5	Dubbo Base	25.3	21.9
Westmead	20.8	16.9	Mudgee	0.0	0.0
Hawkesbury	14.1	14.7	Bathurst Base	24.4	13.4
Lithgow	15.6	16.7	Orange Base	8.9	12.4
TOTAL	16.9	16.9	Broken Hill Base	6.5	13.8
Northern Sydney and Central Coast			Other hospitals	16.7	6.4
Gosford	5.7	8.6	TOTAL	16.5	13.8
Hornsby	9.4	11.1	Private Hospitals		
Manly	17.3	9.0	Mater, North Sydney	3.6	3.9
Mona Vale	4.2	13.0	North Shore Private	3.8	4.2
Royal North Shore	11.2	9.8	Sydney Adventist	6.4	9.2
Other hospitals	100.0	0.0	North Gosford Private	6.8	6.5
TOTAL	8.9	9.8	Hurstville Community	2.9	2.8
Hunter and New England			Kareena Private	1.9	0.0
Armidale	16.3	27.8	St. George Private	6.4	6.5
Inverell	13.5	14.3	Prince of Wales Private	4.8	4.3
Moree	14.3	26.7	The Hills Private	11.7	10.8
Tamworth Base	13.1	8.2	Sydney Southwest Private	5.1	5.9
Manning Base	29.5	27.7	Nepean Private	10.4	11.5
Maitland	16.4	17.1	Westmead Private	8.3	5.1
Singleton	0.0	0.0	Figtree Private	6.4	7.1
John Hunter	21.7	27.3	Newcastle Private	9.3	11.4
Other hospitals	24.1	13.4	Calvary, Wagga Wagga	14.3	7.2
TOTAL	19.6	21.5	Other hospitals	2.0	7.8
			TOTAL	6.2	6.3
			TOTAL NSW*	12.3	12.5

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

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 2008, totals for hospitals within each health area, and the NSW total.

Table 59. 3.1 Selected primipara delivering vaginally with an intact perineum by hospital, NSW 2007–2008#

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	5.0	3.2	Coffs Harbour	18.9	17.8
Royal Prince Alfred	4.7	6.5	Grafton Base	16.7	23.5
Fairfield	10.0	14.5	Kempsey	25.6	17.0
Liverpool	7.5	9.4	Lismore Base	11.7	11.8
Campbelltown	8.1	12.9	Murwillumbah	21.7	27.7
Bankstown-Lidcombe	5.5	5.3	Tweed Heads	20.8	13.6
Bowral	15.9	14.5	Port Macquarie Base	20.4	19.9
TOTAL	6.7	8.6	Other hospitals	18.8	15.5
South Eastern Sydney and Illawarra			TOTAL	18.3	16.8
St. George	11.6	9.6	Greater Southern		
Sutherland	16.1	10.9	Bega	17.9	23.1
Royal Hospital for Women	9.1	7.1	Cooma	33.3	39.1
Shoalhaven	9.9	15.2	Goulburn Base	13.2	3.4
Wollongong	6.7	12.5	Moruya	22.2	19.6
Other hospitals	28.0	10.5	Queanbeyan	15.4	17.9
TOTAL	10.4	9.6	Griffith Base	13.9	18.2
Sydney West			Wagga Wagga Base	18.5	19.0
Auburn	13.6	7.7	Other hospitals	23.9	18.4
Blacktown	6.6	5.5	TOTAL	19.6	19.0
Blue Mountains	4.8	11.4	Greater Western		
Nepean	8.0	7.9	Dubbo Base	13.4	13.3
Westmead	5.2	6.5	Mudgee	6.0	16.1
Hawkesbury	13.3	10.0	Bathurst Base	19.6	12.8
Lithgow	23.5	20.0	Orange Base	18.7	16.1
TOTAL	7.7	7.1	Broken Hill Base	23.3	22.2
Northern Sydney and Central Coast			Other hospitals	18.7	11.8
Gosford	8.4	6.8	TOTAL	16.5	14.6
Hornsby	8.2	7.1	Private Hospitals		
Manly	8.1	6.6	Mater, North Sydney	7.3	7.6
Mona Vale	14.0	12.0	North Shore Private	10.3	6.3
Royal North Shore	9.2	7.5	Sydney Adventist	7.1	6.6
Other hospitals	7.9	11.6	North Gosford Private	16.6	20.8
TOTAL	9.1	7.7	Hurstville Community	4.1	6.1
Hunter and New England			Kareena Private	4.9	14.5
Armidale	20.0	16.5	St. George Private	12.9	6.2
Inverell	15.6	20.0	Prince of Wales Private	12.5	12.1
Moree	19.5	17.1	The Hills Private	9.8	12.6
Tamworth Base	13.8	4.8	Sydney Southwest Private	12.0	12.0
Manning Base	19.3	11.2	Nepean Private	5.4	11.6
Maitland	9.0	9.3	Westmead Private	7.1	7.8
Singleton	25.6	18.4	Figtree Private	5.9	10.7
John Hunter	6.9	5.0	Newcastle Private	11.8	17.6
Other hospitals	13.1	11.9	Calvary, Wagga Wagga	10.9	11.7
TOTAL	11.1	8.5	Other hospitals	8.7	6.7
			TOTAL	9.4	10.0
			TOTAL NSW*	10.0	9.8

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

Major perineal tears and surgical repair of the perineum.

Indicator 3.2

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 2008, totals for hospitals within each health area, and the NSW total.

Table 60. 3.2 Selected primipara undergoing episiotomy and no perineal tear by hospital, NSW 2007–2008*

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	17.3	19.8	Coffs Harbour	11.2	15.0
Royal Prince Alfred	16.6	17.4	Grafton Base	18.9	21.0
Fairfield	32.6	21.2	Kempsey	7.7	8.5
Liverpool	33.5	31.3	Lismore Base	17.5	12.2
Campbelltown	16.9	19.2	Murwillumbah	8.7	16.9
Bankstown-Lidcombe	29.2	30.2	Tweed Heads	18.5	14.0
Bowral	13.0	15.9	Port Macquarie Base	17.2	19.9
TOTAL	22.7	22.0	Other hospitals	10.1	8.6
South Eastern Sydney and Illawarra			TOTAL	15.6	14.8
St. George	14.1	14.5	Greater Southern		
Sutherland	9.3	8.0	Bega	10.7	7.7
Royal Hospital for Women	26.3	27.5	Cooma	5.1	10.9
Shoalhaven	18.2	18.2	Goulburn Base	50.9	66.1
Wollongong	18.5	12.7	Moruya	15.9	19.6
Other hospitals	8.0	10.5	Queanbeyan	10.8	7.5
TOTAL	19.2	18.5	Griffith Base	23.1	20.8
Sydney West			Wagga Wagga Base	18.5	19.0
Auburn	19.2	19.3	Other hospitals	20.5	20.6
Blacktown	32.8	26.1	TOTAL	20.2	21.6
Blue Mountains	8.1	11.4	Greater Western		
Nepean	25.0	24.9	Dubbo Base	32.2	34.0
Westmead	34.3	36.6	Mudgee	30.0	24.2
Hawkesbury	14.7	16.2	Bathurst Base	8.2	17.1
Lithgow	32.4	25.0	Orange Base	14.5	14.3
TOTAL	28.5	28.4	Broken Hill Base	16.3	17.8
Northern Sydney and Central Coast			Other hospitals	17.6	12.9
Gosford	11.4	9.8	TOTAL	20.8	21.2
Hornsby	22.3	18.6	Private Hospitals		
Manly	11.2	17.8	Mater, North Sydney	40.5	45.2
Mona Vale	10.5	9.9	North Shore Private	42.9	46.8
Royal North Shore	13.4	20.9	Sydney Adventist	37.3	36.9
Other hospitals	5.6	2.9	North Gosford Private	31.7	25.8
TOTAL	13.5	15.4	Hurstville Community	43.9	44.2
Hunter and New England			Kareena Private	45.7	38.5
Armidale	20.0	17.6	St. George Private	24.7	36.0
Inverell	53.1	46.7	Prince of Wales Private	34.7	32.9
Moree	9.8	8.6	The Hills Private	39.2	33.3
Tamworth Base	31.0	31.7	Sydney Southwest Private	43.1	45.6
Manning Base	10.5	12.9	Nepean Private	52.4	48.9
Maitland	14.4	10.3	Westmead Private	51.2	50.9
Singleton	11.6	16.3	Figtree Private	48.9	51.5
John Hunter	11.1	13.4	Newcastle Private	32.2	26.0
Other hospitals	19.3	11.4	Calvary, Wagga Wagga	27.7	20.7
TOTAL	15.8	14.8	Other hospitals	30.4	48.9
			TOTAL	39.7	40.0
			TOTAL NSW*	24.9	25.0

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

Major perineal tears and surgical repair of the perineum.

Indicator 3.3

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

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the first time at

greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37⁰ to 41⁰ weeks gestation.

Table 61 shows aggregate information for hospitals where at least 200 mothers gave birth in 2008, totals for hospitals within each health area, and the NSW total.

Table 61. 3.3 Selected primipara sustaining a perineal tear and no episiotomy by hospital, NSW 2007–2008#

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	65.7	63.7	Coffs Harbour	53.8	57.7
Royal Prince Alfred	70.6	69.0	Grafton Base	53.3	49.4
Fairfield	52.3	60.2	Kempsey	66.7	70.2
Liverpool	51.1	49.0	Port Macquarie Base	64.6	66.8
Campbelltown	68.2	60.0	Other hospitals	59.4	48.2
Bankstown-Lidcombe	57.2	57.8	TOTAL	54.5	62.8
Bowral	67.4	62.1	Greater Southern		
TOTAL	62.8	61.5	Bega	67.9	64.1
South Eastern Sydney and Illawarra			Cooma	51.3	50.0
St. George	64.4	64.6	Goulburn Base	28.3	22.0
Sutherland	70.5	73.7	Moruya	58.7	51.8
Royal Hospital for Women	57.4	58.2	Queanbeyan	69.2	68.7
Shoalhaven	66.1	59.1	Griffith Base	58.3	50.6
Wollongong	70.6	68.4	Wagga Wagga Base	52.3	52.9
Other hospitals	44.0	57.9	Other hospitals	50.6	52.9
TOTAL	63.3	63.7	TOTAL	53.8	51.7
Sydney West			Greater Western		
Auburn	55.5	63.3	Dubbo Base	45.0	43.1
Blacktown	49.2	57.7	Mudgee	56.0	53.2
Blue Mountains	82.3	65.7	Bathurst Base	62.9	64.1
Nepean	54.9	58.7	Orange Base	50.6	58.9
Westmead	47.8	45.4	Broken Hill Base	58.1	57.8
Hawkesbury	63.3	64.6	Other hospitals	53.8	63.4
Lithgow	41.2	45.0	TOTAL	52.1	55.4
TOTAL	52.1	54.1	Private Hospitals		
Northern Sydney and Central Coast			Mater, North Sydney	37.4	34.4
Gosford	65.8	73.4	North Shore Private	41.8	44.9
Hornsby	59.3	62.1	Sydney Adventist	47.7	52.4
Manly	72.9	67.2	North Gosford Private	41.4	44.2
Mona Vale	68.6	71.1	Hurstville Community	39.8	36.0
Royal North Shore	65.0	58.8	Kareena Private	45.7	43.6
Other hospitals	83.1	82.6	St. George Private	56.7	53.9
TOTAL	66.6	66.5	Prince of Wales Private	47.9	47.1
Hunter and New England			The Hills Private	41.2	45.2
Armidale	45.9	52.7	Sydney Southwest Private	38.2	35.1
Inverell	25.0	30.0	Nepean Private	36.3	32.6
Moree	48.8	68.6	Westmead Private	39.9	39.5
Tamworth Base	47.1	54.0	Figtree Private	41.6	34.7
Manning Base	59.6	69.8	Newcastle Private	55.4	54.2
Maitland	72.6	73.5	Calvary, Wagga Wagga	47.5	48.6
Singleton	60.5	59.2	Other hospitals	52.2	44.4
John Hunter	69.4	69.9	TOTAL	44.3	44.0
Other hospitals	61.4	65.3	TOTAL NSW*	56.6	57.0
TOTAL	63.4	66.8	Calvary, Wagga Wagga	27.7	20.7
			Other hospitals	30.4	48.9
			TOTAL	39.7	40.0
			TOTAL NSW*	56.6	57.0

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

Major perineal tears and surgical repair of the perineum.

Indicator 3.4

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

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the

first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37⁰ to 41⁰ weeks gestation.

Table 62 shows aggregate information for hospitals where at least 200 mothers gave birth in 2008, totals for hospitals within each health area, and the NSW total.

Table 62. 3.4 Selected primipara undergoing episiotomy and sustaining a perineal tear by hospital, NSW 2007–2008#

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	7.77	7.41	Coffs Harbour	5.92	2.82
Royal Prince Alfred	5.42	4.87	Grafton Base	4.44	1.23
Fairfield	3.73	1.87	Kempsey	0.00	4.26
Liverpool	4.07	5.58	Lismore Base	5.00	5.88
Campbelltown	2.32	2.62	Murwillumbah	1.45	3.61
Bankstown-Lidcombe	4.82	5.13	Tweed Heads	1.98	3.65
Bowral	0.00	2.07	Port Macquarie Base	2.55	3.61
TOTAL	4.63	4.50	Other hospitals	2.90	0.00
South Eastern Sydney and Illawarra			TOTAL	3.43	3.62
St. George	8.24	9.95	Greater Southern		
Sutherland	2.80	3.24	Bega	0.00	2.56
Royal Hospital for Women	6.12	6.18	Cooma	5.13	0.00
Shoalhaven	3.31	5.30	Goulburn Base	1.89	0.00
Wollongong	2.92	5.37	Moruya	3.17	5.36
Other hospitals	12.00	15.79	Queanbeyan	3.08	4.48
TOTAL	5.65	6.58	Griffith Base	0.93	2.60
Sydney West			Wagga Wagga Base	4.62	4.96
Auburn	10.62	9.32	Other hospitals	3.41	4.41
Blacktown	10.82	10.17	TOTAL	3.02	3.49
Blue Mountains	3.23	5.71	Greater Western		
Nepean	10.19	6.90	Dubbo Base	6.93	4.26
Westmead	11.10	10.44	Mudgee	2.00	4.84
Hawkesbury	8.00	6.92	Bathurst Base	4.12	2.56
Lithgow	2.94	5.00	Orange Base	7.23	8.33
TOTAL	10.35	9.20	Broken Hill Base	2.33	0.00
Northern Sydney and Central Coast			Other hospitals	6.59	6.45
Gosford	11.66	8.41	TOTAL	5.86	5.05
Hornsby	7.54	11.90	Private Hospitals		
Manly	5.81	6.64	Mater, North Sydney	11.01	7.62
Mona Vale	5.81	6.34	North Shore Private	1.88	0.63
Royal North Shore	11.32	11.32	Sydney Adventist	7.84	2.73
Other hospitals	3.37	0.00	North Gosford Private	9.66	5.83
TOTAL	9.05	9.03	Hurstville Community	9.94	8.63
Hunter and New England			Kareena Private	1.23	1.71
Armidale	5.88	10.99	St. George Private	3.87	1.04
Inverell	6.25	3.33	Prince of Wales Private	2.20	3.62
Moree	19.51	2.86	The Hills Private	4.05	3.74
Tamworth Base	6.32	9.52	Sydney Southwest Private	2.62	3.86
Manning Base	3.51	4.31	Nepean Private	1.79	2.11
Maitland	3.34	5.15	Westmead Private	0.73	0.38
Singleton	2.33	4.08	Figtree Private	0.90	1.53
John Hunter	11.08	10.54	Newcastle Private	0.00	0.50
Other hospitals	3.41	6.82	Calvary, Wagga Wagga	7.92	9.91
TOTAL	7.51	8.22	Other hospitals	8.70	0.00
			TOTAL	4.13	2.92
			TOTAL NSW*	6.02	5.70

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

Major perineal tears and surgical repair of the perineum.

Indicator 3.5

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

A selected primipara is defined as a woman who is 20–34 years of age at the time of giving birth; giving birth for the

first time at greater than 20 weeks gestation; singleton pregnancy; cephalic presentation; and at 37⁰ to 41⁰ weeks gestation.

Table 63 shows aggregate information for hospitals where at least 200 mothers gave birth in 2008, totals for hospitals within each health area, and the NSW total.

Table 63. 3.5 Selected primipara undergoing surgical repair of the perineum for third degree tear by hospital, NSW 2007–2008*

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	9.02	6.91	Coffs Harbour	4.73	3.76
Royal Prince Alfred	7.84	5.24	Grafton Base	3.33	1.23
Fairfield	5.60	4.15	Kempsey	2.56	0.00
Liverpool	3.74	5.74	Lismore Base	2.92	3.36
Campbelltown	3.94	3.84	Murwillumbah	1.45	3.61
Bankstown-Lidcombe	2.19	2.85	Tweed Heads	4.29	5.65
Bowral	2.90	2.76	Port Macquarie Base	5.10	4.82
TOTAL	5.76	4.76	Other hospitals	1.45	1.72
South Eastern Sydney and Illawarra			TOTAL	3.70	3.88
St. George	6.56	8.21	Greater Southern		
Sutherland	3.11	3.54	Bega	0.00	0.00
Royal Hospital for Women	3.71	6.76	Cooma	2.56	2.17
Shoalhaven	3.31	2.27	Goulburn Base	7.55	6.78
Wollongong	3.13	1.99	Moruya	4.76	3.57
Other hospitals	16.00	0.00	Queanbeyan	1.54	2.99
TOTAL	4.38	5.52	Griffith Base	3.70	1.30
Sydney West			Wagga Wagga Base	6.15	3.31
Auburn	4.13	5.79	Other hospitals	5.68	3.68
Blacktown	5.76	7.28	TOTAL	4.68	3.16
Blue Mountains	6.45	5.71	Greater Western		
Nepean	4.78	3.69	Dubbo Base	8.42	4.79
Westmead	4.59	5.86	Mudgee	2.00	4.84
Hawkesbury	4.00	1.54	Bathurst Base	0.00	6.84
Lithgow	2.94	2.50	Orange Base	7.23	7.74
TOTAL	4.80	5.47	Broken Hill Base	2.33	2.22
Northern Sydney and Central Coast			Other hospitals	6.59	9.68
Gosford	7.94	6.31	TOTAL	5.70	6.39
Hornsby	6.56	8.92	Private Hospitals		
Manly	1.94	2.90	Mater, North Sydney	3.30	3.93
Mona Vale	4.65	4.93	North Shore Private	1.46	0.84
Royal North Shore	8.19	10.04	Sydney Adventist	1.90	1.59
Other hospitals	1.12	0.00	North Gosford Private	2.76	0.00
TOTAL	6.27	6.93	Hurstville Community	1.17	3.05
Hunter and New England			Kareena Private	1.23	0.85
Armidale	0.00	3.30	St. George Private	2.84	3.11
Inverell	0.00	0.00	Prince of Wales Private	1.47	1.93
Moree	2.44	2.86	The Hills Private	4.05	3.74
Tamworth Base	5.17	6.35	Sydney Southwest Private	3.75	1.93
Manning Base	5.26	1.72	Nepean Private	1.79	2.63
Maitland	4.35	10.31	Westmead Private	0.91	0.57
Singleton	2.33	2.04	Figtree Private	0.45	1.02
John Hunter	7.85	10.14	Newcastle Private	2.20	2.72
Other hospitals	3.41	5.68	Calvary, Wagga Wagga	5.94	4.50
TOTAL	5.49	7.86	Other hospitals	0.00	0.00
			TOTAL	2.17	2.09
			TOTAL NSW*	4.48	4.73

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

Major perineal tears and surgical repair of the perineum.

Indicator 3.6

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 2008, totals for hospitals within each health area, and the NSW total.

Table 64. 3.6 Selected primipara undergoing surgical repair of the perineum for fourth degree tear by hospital, NSW 2007–2008#

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	0.75	1.23	Coffs Harbour	0.00	0.00
Royal Prince Alfred	0.22	0.07	Grafton Base	2.22	0.00
Fairfield	0.21	0.00	Kempsey	0.00	0.00
Liverpool	0.33	0.48	Lismore Base	0.00	0.42
Campbelltown	0.70	0.35	Murwillumbah	0.00	0.00
Bankstown-Lidcombe	0.22	0.19	Tweed Heads	0.33	0.00
Bowral	0.00	0.69	Port Macquarie Base	0.00	0.00
TOTAL	0.33	0.32	Other hospitals	0.00	0.00
South Eastern Sydney and Illawarra			TOTAL	0.26	0.08
St. George	0.84	0.47	Greater Southern		
Sutherland	0.31	0.29	Bega	0.00	0.00
Royal Hospital for Women	0.28	0.39	Cooma	0.00	0.00
Shoalhaven	0.83	0.00	Goulburn Base	0.00	0.00
Wollongong	0.42	0.20	Moruya	0.00	0.00
Other hospitals	4.00	5.26	Queanbeyan	0.00	1.49
TOTAL	0.51	0.38	Griffith Base	0.93	0.00
Sydney West			Wagga Wagga Base	0.00	0.83
Auburn	0.29	0.00	Other hospitals	0.57	0.00
Blacktown	0.35	0.15	TOTAL	0.30	0.33
Blue Mountains	0.00	0.00	Greater Western		
Nepean	0.64	0.48	Dubbo Base	0.00	0.00
Westmead	0.29	0.18	Mudgee	0.00	1.61
Hawkesbury	0.00	0.00	Bathurst Base	1.03	0.00
Lithgow	0.00	0.00	Orange Base	0.60	0.00
TOTAL	0.35	0.21	Broken Hill Base	0.00	0.00
Northern Sydney and Central Coast			Other hospitals	0.00	0.00
Gosford	0.50	0.47	TOTAL	0.31	0.15
Hornsby	0.33	0.00	Private Hospitals		
Manly	0.00	0.41	Mater, North Sydney	0.66	0.00
Mona Vale	0.58	0.00	North Shore Private	0.21	0.00
Royal North Shore	0.87	0.64	Sydney Adventist	0.24	0.23
Other hospitals	1.12	0.00	North Gosford Private	0.00	0.00
TOTAL	0.56	0.37	Hurstville Community	0.58	0.00
Hunter and New England			Kareena Private	0.00	0.00
Armidale	0.00	0.00	St. George Private	1.29	0.78
Inverell	0.00	0.00	Prince of Wales Private	0.24	0.00
Moree	0.00	0.00	The Hills Private	0.00	0.00
Tamworth Base	0.00	0.00	Sydney Southwest Private	0.00	0.77
Manning Base	0.00	0.00	Nepean Private	0.00	0.00
Maitland	0.67	0.00	Westmead Private	0.37	0.00
Singleton	0.00	0.00	Figtree Private	0.00	0.00
John Hunter	0.70	0.14	Newcastle Private	0.00	0.25
Other hospitals	0.00	0.00	Calvary, Wagga Wagga	0.00	0.90
TOTAL	0.42	0.06	Other hospitals	2.17	0.00
			TOTAL	0.33	0.17
			TOTAL NSW*	0.38	0.24

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

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 2008, totals for hospitals within each health area, and the NSW total.

Table 65. 4.1 General anaesthesia for caesarean section by hospital, NSW 2007–2008#

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	13.28	14.09	Coffs Harbour	11.67	14.92
Royal Prince Alfred	12.25	12.19	Grafton Base	26.67	29.25
Fairfield	50.26	43.49	Kempsey	8.77	10.45
Liverpool	21.65	20.22	Lismore Base	4.86	6.49
Campbelltown	11.73	12.82	Murwillumbah	6.03	8.33
Bankstown-Lidcombe	22.67	20.09	Tweed Heads	11.15	10.76
Bowral	15.67	14.71	Port Macquarie Base	10.82	8.00
Other hospitals	0.00	0.00	Other hospitals	0.00	0.00
TOTAL	18.43	17.34	TOTAL	10.42	11.60
South Eastern Sydney and Illawarra			Greater Southern		
St. George	11.32	8.29	Bega	22.86	8.33
Sutherland	6.37	8.33	Cooma	4.65	11.11
Royal Hospital for Women	4.05	4.61	Goulburn Base	29.27	37.04
Shoalhaven	11.22	6.93	Moruya	23.17	18.68
Wollongong	12.57	9.75	Queanbeyan	10.71	18.18
Other hospitals	12.50	8.70	Griffith Base	18.63	18.42
TOTAL	7.93	6.80	Wagga Wagga Base	12.74	13.40
Sydney West			Greater Western		
Auburn	27.34	19.48	Other hospitals	12.76	6.67
Blacktown	17.57	18.88	TOTAL	15.91	14.90
Blue Mountains	8.06	5.08	Private Hospitals		
Nepean	23.18	20.32	Mater, North Sydney	4.33	3.36
Westmead	19.04	18.31	North Shore Private	2.48	3.62
Hawkesbury	10.64	11.59	Sydney Adventist	5.98	6.77
Lithgow	10.14	7.59	North Gosford Private	5.57	5.29
TOTAL	19.71	18.25	Hurstville Community	4.49	3.51
Northern Sydney and Central Coast			Other hospitals		
Gosford	14.07	13.88	Other hospitals	28.13	23.44
Hornsby	9.06	8.11	TOTAL	19.39	17.51
Manly	8.65	7.78	Private Hospitals		
Mona Vale	6.39	6.64	Mater, North Sydney	4.33	3.36
Royal North Shore	7.82	8.43	North Shore Private	2.48	3.62
Other hospitals	55.56	100.00	Sydney Adventist	5.98	6.77
TOTAL	10.36	10.10	North Gosford Private	5.57	5.29
Hunter and New England			Other hospitals		
Armidale	4.80	8.47	Other hospitals	11.90	9.62
Inverell	4.40	1.96	TOTAL	5.25	4.76
Moree	7.89	11.32	TOTAL NSW*		
Tamworth Base	13.91	17.67	TOTAL	11.91	11.19
Manning Base	23.57	19.32			
Maitland	11.68	14.53			
Singleton	5.88	10.53			
John Hunter	20.59	17.83			
Other hospitals	25.56	26.97			
TOTAL	16.61	16.43			

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

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 2008, totals for hospitals within each health area, and the NSW total.

Table 66. 7.1 Postpartum haemorrhage and blood transfusion by hospital, NSW 2007–2008*

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	0.08	0.08	Coffs Harbour	2.49	3.00
Royal Prince Alfred	0.11	0.11	Grafton Base	2.40	2.45
Fairfield	0.12	0.49	Kempsey	3.45	1.66
Liverpool	0.30	0.43	Lismore Base	3.94	2.42
Campbelltown	0.20	0.19	Murwillumbah	1.90	0.73
Bankstown-Lidcombe	0.17	0.91	Tweed Heads	4.70	2.65
Bowral	0.36	0.19	Port Macquarie Base	2.03	2.11
Other hospitals	0.0	0.00	Other hospitals	4.72	3.11
TOTAL	0.18	0.34	TOTAL	3.39	2.43
South Eastern Sydney and Illawarra			Greater Southern		
St. George	0.15	0.33	Bega	6.19	7.10
Sutherland	0.22	0.32	Cooma	1.29	4.94
Royal Hospital for Women	1.03	0.74	Goulburn Base	2.38	3.24
Shoalhaven	0.19	0.36	Moruya	4.15	4.01
Wollongong	0.87	0.37	Queanbeyan	6.38	3.51
Other hospitals	0.97	0.00	Griffith Base	5.98	4.90
TOTAL	0.64	0.48	Wagga Wagga Base	8.61	3.17
Sydney West			Other hospitals	6.01	2.11
Auburn	0.17	0.35	TOTAL	5.86	3.58
Blacktown	0.48	0.45	Greater Western		
Blue Mountains	1.79	0.00	Dubbo Base	3.42	2.93
Nepean	0.43	0.44	Mudgee	1.04	1.10
Westmead	0.13	0.48	Bathurst Base	5.68	4.45
Hawkesbury	0.66	0.17	Orange Base	2.19	3.92
Lithgow	2.47	1.96	Broken Hill Base	4.10	7.53
TOTAL	0.40	0.45	Other hospitals	4.43	3.34
Northern Sydney and Central Coast			TOTAL	3.49	3.66
Gosford	0.48	0.45	Private Hospitals		
Hornsby	0.56	0.11	Mater, North Sydney	2.72	2.74
Manly	0.00	0.29	North Shore Private	0.74	0.14
Mona Vale	0.56	0.43	Sydney Adventist	1.60	3.22
Royal North Shore	0.26	0.39	North Gosford Private	3.73	1.85
Other hospitals	0.29	0.75	Hurstville Community	1.43	1.49
TOTAL	0.37	0.38	Kareena Private	0.00	1.74
Hunter and New England			St. George Private	0.36	0.27
Armidale	2.13	1.77	Prince of Wales Private	2.68	2.52
Inverell	0.56	1.89	The Hills Private	1.41	1.10
Moree	2.12	1.97	Sydney Southwest Private	1.62	1.84
Tamworth Base	3.49	1.50	Nepean Private	3.64	3.28
Manning Base	2.66	0.92	Westmead Private	0.36	0.43
Maitland	0.34	0.34	Figtree Private	1.81	1.28
Singleton	0.56	0.00	Newcastle Private	0.53	0.25
John Hunter	0.55	0.38	Calvary, Wagga Wagga	1.91	2.17
Other hospitals	1.98	0.74	Other hospitals	2.40	2.00
TOTAL	1.24	0.68	TOTAL	1.51	1.50
			TOTAL NSW*	1.23	1.05

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

Intrauterine growth restriction. Indicator 8.1

Definition: Total number of deliveries with birth weight less than 2750 grams at 40⁰ weeks gestation or beyond as a percentage of the total number of deliveries at 40 weeks gestation or beyond.

Table 67 shows aggregate information for hospitals where at least 200 babies were born in 2008, totals for hospitals within each health area, and the NSW total.

Table 67. 8.1 Intrauterine growth restriction at 40 weeks gestation or more by hospital, NSW 2004–2008#

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	2.59	2.21	Coffs Harbour	1.89	1.56
Royal Prince Alfred	1.13	1.75	Grafton Base	1.08	1.97
Fairfield	2.01	2.77	Kempsey	3.76	2.27
Liverpool	2.87	2.33	Lismore Base	1.73	1.41
Campbelltown	2.16	1.14	Murwillumbah	1.79	1.81
Bankstown-Lidcombe	1.69	1.11	Tweed Heads	0.77	1.38
Bowral	2.26	1.36	Port Macquarie Base	2.10	2.84
Other hospitals	0.0	0.0	Other hospitals	3.29	1.95
TOTAL	1.93	1.81	TOTAL	1.77	1.76
South Eastern Sydney and Illawarra			Greater Southern		
St. George	2.10	2.07	Bega	0.00	2.56
Sutherland	1.80	1.12	Cooma	0.84	2.27
Royal Hospital for Women	1.49	0.78	Goulburn Base	4.19	5.88
Shoalhaven	2.28	1.83	Moruya	1.63	3.24
Wollongong	1.63	1.81	Queanbeyan	2.58	2.61
Other hospitals	3.57	0.00	Griffith Base	3.33	1.35
TOTAL	1.78	1.40	Wagga Wagga Base	3.10	1.41
Sydney West			Greater Western		
Auburn	1.98	1.90	Other hospitals	2.45	2.57
Blacktown	1.97	2.06	TOTAL	2.59	2.62
Blue Mountains	0.62	1.85	Private Hospitals		
Nepean	1.53	1.55	Mater, North Sydney	1.59	1.29
Westmead	2.16	3.52	North Shore Private	1.32	1.64
Hawkesbury	1.39	0.85	Sydney Adventist	0.68	1.14
Lithgow	3.30	2.35	North Gosford Private	2.45	0.36
TOTAL	1.86	2.28	Hurstville Community	1.52	0.95
Northern Sydney and Central Coast			Kareena Private	0.70	1.28
Gosford	1.51	0.85	St. George Private	2.03	1.69
Hornsby	1.81	0.67	Prince of Wales Private	2.28	1.22
Manly	1.00	0.42	The Hills Private	1.21	1.96
Mona Vale	2.02	0.65	Sydney Southwest Private	0.95	1.00
Royal North Shore	1.70	2.38	Nepean Private	0.64	1.27
Other hospitals	1.02	0.66	Westmead Private	2.46	2.26
TOTAL	1.56	1.08	Figtree Private	1.18	1.17
Hunter and New England			Newcastle Private	0.81	1.47
Armidale	5.22	0.97	Calvary, Wagga Wagga	0.76	1.61
Inverell	5.68	1.45	Other hospitals	1.55	0.00
Moree	5.08	3.66	TOTAL	1.45	1.41
Tamworth Base	2.26	2.23	TOTAL NSW**	1.87	1.78
Manning Base	1.31	3.08			
Maitland	0.68	2.37			
Singleton	0.00	0.98			
John Hunter	2.65	2.19			
Other hospitals	2.97	0.96			
TOTAL	2.42	2.06			

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.

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 2008, totals for hospitals within each health area, and the NSW total.

Table 68. 9.1 Apgar score of 7 or less in term babies by hospital, NSW 2007–2008#

Health area–hospital	2007 %	2008 %	Health area–hospital	2007 %	2008 %
Sydney South West			North Coast		
Canterbury	0.78	0.85	Coffs Harbour	0.94	0.80
Royal Prince Alfred	1.09	1.57	Grafton Base	1.25	2.24
Fairfield	1.24	1.32	Kempsey	2.80	2.75
Liverpool	1.10	0.84	Lismore Base	1.85	0.86
Campbelltown	1.07	0.92	Murwillumbah	0.82	0.83
Bankstown-Lidcombe	0.84	0.82	Tweed Heads	0.43	0.42
Bowral	0.75	1.91	Port Macquarie Base	2.46	2.13
Other hospitals	0.0	0.0	Other hospitals	0.97	0.70
TOTAL	1.03	1.17	TOTAL	1.36	1.13
South Eastern Sydney and Illawarra			Greater Southern		
St. George	1.31	1.32	Bega	0.00	0.52
Sutherland	0.54	0.82	Cooma	0.00	0.47
Royal Hospital for Women	1.27	1.21	Goulburn Base	1.07	0.70
Shoalhaven	0.78	0.65	Moruya	1.78	1.45
Wollongong	0.61	1.02	Queanbeyan	1.06	0.75
Other hospitals	4.69	2.22	Griffith Base	1.39	1.78
TOTAL	1.07	1.12	Wagga Wagga Base	1.65	1.22
Sydney West			Greater Western		
Auburn	0.51	0.53	Other hospitals	0.83	0.81
Blacktown	1.10	1.02	TOTAL	1.14	1.03
Blue Mountains	0.35	1.06	Dubbo Base		
Nepean	0.53	0.75	Dubbo Base	1.81	1.02
Westmead	0.97	1.01	Mudgee	2.03	0.42
Hawkesbury	0.99	0.39	Bathurst Base	1.16	0.71
Lithgow	1.38	0.47	Orange Base	0.95	1.08
TOTAL	0.83	0.85	Broken Hill Base	1.20	3.19
Northern Sydney and Central Coast			Other hospitals		
Gosford	1.28	1.06	Other hospitals	1.37	0.72
Hornsby	0.51	0.57	TOTAL	1.41	1.05
Manly	1.25	1.00	Private Hospitals		
Mona Vale	2.76	0.92	Mater, North Sydney	0.51	0.36
Royal North Shore	0.78	1.00	North Shore Private	0.51	0.39
Other hospitals	0.00	1.51	Sydney Adventist	0.82	0.67
TOTAL	1.11	0.96	North Gosford Private	0.60	0.50
Hunter and New England			Hurstville Community		
Armidale	1.41	0.24	Hurstville Community	0.73	0.58
Inverell	0.41	1.24	Kareena Private	0.19	1.53
Moree	1.87	1.01	St. George Private	0.69	0.57
Tamworth Base	0.85	1.42	Prince of Wales Private	0.95	0.86
Manning Base	1.34	1.35	The Hills Private	0.32	0.33
Maitland	1.83	2.34	Sydney Southwest Private	0.86	0.84
Singleton	0.53	0.49	Nepean Private	0.51	0.47
John Hunter	1.77	1.90	Westmead Private	0.81	0.86
Other hospitals	1.30	0.64	Figtree Private	0.11	0.55
TOTAL	1.51	1.58	Newcastle Private	0.46	0.74
			Calvary, Wagga Wagga	1.48	0.69
			Other hospitals	0.70	0.40
			TOTAL	0.64	0.63
			TOTAL NSW*	1.00	0.99

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

Hospitals with more than 200 births are identified individually.

* Total NSW includes homebirths assisted by independent midwives.