

5. Area health services

Information on the health of Aboriginal and Torres Strait Islander mothers and mothers born in non-English speaking countries is shown in Chapters 7 and 8, respectively.

Confinements

The largest numbers of mothers who gave birth in 2007 were resident in the Sydney South West Area ($n = 21\,206$, 22.4%), followed by the Sydney West Area ($n = 18\,068$, 19.1%) and the South Eastern Sydney and Illawarra Area ($n = 15\,597$, 16.5%) (Table 20).

Maternal age

The proportion of women giving birth at less than 20 years of age varied from 1.5% in the Northern Sydney and Central Coast Area to 7.8% in the Greater Western Area, whereas the proportion of mothers giving birth at 35 years of age or more ranged from 15.1% in the Greater Western Area to 32.6% in the Northern Sydney and Central Coast Area (Table 20).

Table 20. Maternal age by health area of residence, NSW, 2007

Health area	Maternal age (years)																TOTAL	
	12–19		20–24		25–29		30–34		35–39		40–44		45+		Not stated		No.	%
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%				
Sydney South West	548	2.6	2922	13.8	5964	28.1	6889	32.5	4018	18.9	827	3.9	38	0.2	0	0.0	21 206	100.0
South Eastern Sydney and Illawarra	282	1.8	1467	9.4	3725	23.9	5876	37.7	3585	23.0	628	4.0	34	0.2	0	0.0	15 597	100.0
Sydney West	624	3.5	2860	15.8	5412	30.0	5742	31.8	2913	16.1	489	2.7	27	0.1	1	0.0	18 068	100.0
Northern Sydney and Central Coast	222	1.5	976	6.8	2942	20.4	5590	38.7	3900	27.0	783	5.4	32	0.2	2	0.0	14 447	100.0
Hunter and New England	666	6.1	2046	18.8	3162	29.1	3137	28.9	1555	14.3	285	2.6	17	0.2	0	0.0	10 868	100.0
North Coast	388	7.5	1034	19.9	1414	27.2	1372	26.4	824	15.8	155	3.0	7	0.1	5	0.1	5199	100.0
Greater Southern	281	6.9	791	19.5	1185	29.2	1145	28.3	547	13.5	96	2.4	5	0.1	2	0.0	4052	100.0
Greater Western	318	7.8	865	21.3	1230	30.3	1034	25.5	537	13.2	69	1.7	6	0.1	3	0.1	4062	100.0
Other/Not stated	33	3.0	189	17.1	327	29.6	339	30.7	168	15.2	43	3.9	0	0.0	4	0.4	1103	100.0
TOTAL	3362	3.6	13 150	13.9	25 361	26.8	31 124	32.9	18 047	19.1	3375	3.6	166	0.2	17	0.0	94 602	100.0

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

Maternal country of birth

Seventy-seven percent of women who gave birth in NSW in 2007 were born in English speaking countries, 13.0% were born in Asian countries, and 4.6% were born in the Middle East or Africa (Table 21).

The highest proportions of mothers born in non-English speaking countries were in the Sydney South West and

Sydney West Areas. In the Sydney South West Area, the majority of mothers born in non-English speaking countries were born in South-East Asia, the Middle East and Africa. In the Sydney West Area, the most common non-English speaking maternal countries of birth were in Southern Asia, the Middle East and Africa.

Table 21. Maternal country of birth by health area of residence, NSW, 2007#

Health area	Country of birth group																					
	English speaking		Central and South America		Melanesia, Micronesia and Polynesia		Southern Europe		Western and Northern Europe		Eastern Europe, Russia, Central Asian and Baltic States		Middle East and Africa		South-East Asia		North-East Asia		Southern Asia		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	12919	61.1	317	1.5	623	2.9	366	1.7	132	0.6	148	0.7	2103	9.9	2534	12.0	1117	5.3	887	4.2	21146	100.0
South Eastern Sydney and Illawarra	12309	79.1	158	1.0	126	0.8	218	1.4	199	1.3	206	1.3	481	3.1	701	4.5	841	5.4	317	2.0	15556	100.0
Sydney West	12115	67.2	143	0.8	565	3.1	136	0.8	84	0.5	122	0.7	1382	7.7	1076	6.0	885	4.9	1531	8.5	18039	100.0
Northern Sydney and Central Coast	11664	81.0	129	0.9	100	0.7	80	0.6	242	1.7	158	1.1	234	1.6	551	3.8	934	6.5	312	2.2	14404	100.0
Hunter and New England	10448	96.2	14	0.1	38	0.3	17	0.2	44	0.4	16	0.1	48	0.4	133	1.2	61	0.6	44	0.4	10863	100.0
North Coast	4951	95.5	11	0.2	25	0.5	10	0.2	35	0.7	8	0.2	29	0.6	73	1.4	18	0.3	22	0.4	5182	100.0
Greater Southern	3874	95.7	5	0.1	24	0.6	9	0.2	15	0.4	8	0.2	26	0.6	26	0.6	21	0.5	42	1.0	4050	100.0
Greater Western	3969	97.8	6	0.1	3	0.1	3	0.1	5	0.1	4	0.1	17	0.4	23	0.6	15	0.4	12	0.3	4057	100.0
Other/Not stated	860	78.0	10	0.9	14	1.3	4	0.4	26	2.4	18	1.6	23	2.1	49	4.4	74	6.7	24	2.2	1102	100.0
TOTAL	73109	77.4	793	0.8	1518	1.6	843	0.9	782	0.8	688	0.7	4343	4.6	5166	5.5	3966	4.2	3191	3.4	94399	100.0

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

#Excludes 203 mothers for which country of birth was not stated. Maternal countries of birth and country of birth groups are shown in Appendix 3.

Maternal Aboriginality

In 2007, 3.1% of mothers were reported to be Aboriginal or Torres Strait Islander (Table 22). The proportion of Aboriginal or Torres Strait Islander mothers varied from

0.9% in the Northern Sydney and Central Coast Area to 13.5% in the Greater Western Area.

Table 22. Maternal Aboriginality by health area of residence, NSW, 2007

Health area	Aboriginality							
	Aboriginal – Torres Strait Islander		Non-Aboriginal – Torres Strait Islander		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%
Sydney South West	253	1.2	20887	98.5	66	0.3	21206	100.0
South Eastern Sydney and Illawarra	246	1.6	15323	98.2	28	0.2	15597	100.0
Sydney West	363	2.0	17680	97.9	25	0.1	18068	100.0
Northern Sydney and Central Coast	137	0.9	14290	98.9	20	0.1	14447	100.0
Hunter and New England	655	6.0	10193	93.8	20	0.2	10868	100.0
North Coast	420	8.1	4763	91.6	16	0.3	5199	100.0
Greater Southern	235	5.8	3815	94.2	2	0.0	4052	100.0
Greater Western	550	13.5	3497	86.1	15	0.4	4062	100.0
Other/Not stated	29	2.6	1071	97.1	3	0.3	1103	100.0
TOTAL	2888	3.1	91519	96.7	195	0.2	94602	100.0

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

Duration of pregnancy at first antenatal visit

In 2007, 90.7% of mothers commenced antenatal care prior to 20 weeks gestation. This percentage varied from 83.7% in the Sydney South West Area to 95.9% in the Northern Sydney and Central Coast Area (Table 23).

Table 23. Duration of pregnancy at first antenatal visit by health area of residence, NSW, 2007

Health area	Duration of pregnancy at first antenatal visit (weeks)								TOTAL	
	0-19		20+		Not stated		No.	%		
	No.	%	No.	%	No.	%				
Sydney South West	17 744	83.7	2245	10.6	1217	5.7	21 206	100.0		
South Eastern Sydney and Illawarra	14 245	91.3	1175	7.5	177	1.1	15 597	100.0		
Sydney West	17 115	94.7	839	4.6	114	0.6	18 068	100.0		
Northern Sydney and Central Coast	13 851	95.9	537	3.7	59	0.4	14 447	100.0		
Hunter and New England	9741	89.6	996	9.2	131	1.2	10 868	100.0		
North Coast	4791	92.2	339	6.5	69	1.3	5199	100.0		
Greater Southern	3709	91.5	281	6.9	62	1.5	4052	100.0		
Greater Western	3615	89.0	305	7.5	142	3.5	4062	100.0		
Other/Not stated	970	87.9	110	10.0	23	2.1	1103	100.0		
TOTAL	85 781	90.7	6827	7.2	1994	2.1	94 602	100.0		

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

Smoking in pregnancy

In 2007, 12.0% of mothers reported smoking in the second half of pregnancy (Table 24). The lowest reported rate was among mothers resident in the Northern Sydney and Central Coast Area (5.8%) and the highest rate among residents of the Greater Western Area (25.8%).

Table 24. Cigarettes smoked in the second half of pregnancy by health area of residence, NSW, 2007

Health area	Cigarettes smoked in the second half of pregnancy										TOTAL	
	None		1-10 per day		>10 per day		Smoked - amount not stated		Not stated			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	18 800	88.7	1275	6.0	703	3.3	64	0.3	364	1.7	21 206	100.0
South Eastern Sydney and Illawarra	14 453	92.7	744	4.8	319	2.0	79	0.5	2	0.0	15 597	100.0
Sydney West	16 144	89.4	1047	5.8	660	3.7	212	1.2	5	0.0	18 068	100.0
Northern Sydney and Central Coast	13 598	94.1	510	3.5	261	1.8	76	0.5	2	0.0	14 447	100.0
Hunter and New England	8668	79.8	1211	11.1	890	8.2	94	0.9	5	0.0	10 868	100.0
North Coast	4055	78.0	602	11.6	473	9.1	63	1.2	6	0.1	5199	100.0
Greater Southern	3128	77.2	437	10.8	469	11.6	15	0.4	3	0.1	4052	100.0
Greater Western	2997	73.8	420	10.3	605	14.9	21	0.5	19	0.5	4062	100.0
Other/Not stated	955	86.6	88	8.0	50	4.5	7	0.6	3	0.3	1103	100.0
TOTAL	82 798	87.5	6334	6.7	4430	4.7	631	0.7	409	0.4	94 602	100.0

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

Place of birth

Ninety-five percent of mothers chose to deliver in a hospital birthing suite in 2007, compared with 4.1% who planned a birth-centre birth and 0.2% who planned a home birth (Table 25). Planned birth-centre births were most commonly reported in the Sydney West, Hunter and New England, and South Eastern Sydney and Illawarra Areas.

Labour

In 2007, the onset of labour was spontaneous in 57.3% of confinements (Table 26). Labour was induced in 25.9% of confinements and no labour (elective caesarean section) was reported in 16.8%. The rate of spontaneous onset of labour was highest among residents of the North Coast Area (64.4%). The highest rate of induction of labour was among residents of the Sydney West Area (29.2%).

Table 25. Place of birth by health area of residence, NSW, 2007

Health area	Place of birth															
	Hospital		Birth centre		Planned birth-centre/hospital admission		Planned home birth		Planned home birth/hospital admission		Born before arrival		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	20413	96.3	634	3.0	51	0.2	16	0.1	2	0.0	89	0.4	1	0.0	21206	100.0
South Eastern Sydney and Illawarra	14666	94.0	558	3.6	284	1.8	17	0.1	4	0.0	67	0.4	1	0.0	15597	100.0
Sydney West	17031	94.3	475	2.6	459	2.5	14	0.1	4	0.0	85	0.5	0	0.0	18068	100.0
Northern Sydney and Central Coast	14132	97.8	192	1.3	46	0.3	19	0.1	4	0.0	54	0.4	0	0.0	14447	100.0
Hunter and New England	9663	88.9	838	7.7	265	2.4	8	0.1	2	0.0	92	0.8	0	0.0	10868	100.0
North Coast	5071	97.5	5	0.1	37	0.7	43	0.8	11	0.2	32	0.6	0	0.0	5199	100.0
Greater Southern	3975	98.1	3	0.1	26	0.6	14	0.3	1	0.0	33	0.8	0	0.0	4052	100.0
Greater Western	3991	98.3	3	0.1	34	0.8	0	0.0	3	0.1	31	0.8	0	0.0	4062	100.0
Other/Not stated	1073	97.3	6	0.5	3	0.3	13	1.2	0	0.0	7	0.6	1	0.1	1103	100.0
TOTAL	90015	95.2	2714	2.9	1205	1.3	144	0.2	31	0.0	490	0.5	3	0.0	94602	100.0

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

Table 26. Onset and augmentation of labour by health area of residence, NSW, 2007

Health area	Onset 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.	%
Sydney South West	8798	41.5	1624	7.7	2382	11.2	3306	15.6	1814	8.6	272	1.3	2957	13.9	47	0.2	6	0.0	21206	100.0
South Eastern Sydney and Illawarra	5520	35.4	1259	8.1	1515	9.7	2946	18.9	1369	8.8	290	1.9	2659	17.0	36	0.2	3	0.0	15597	100.0
Sydney West	7170	39.7	1270	7.0	1455	8.1	2894	16.0	1682	9.3	259	1.4	3308	18.3	29	0.2	1	0.0	18068	100.0
Northern Sydney and Central Coast	5585	38.7	855	5.9	1231	8.5	3030	21.0	1340	9.3	280	1.9	2086	14.4	38	0.3	2	0.0	14447	100.0
Hunter and New England	4942	45.5	771	7.1	831	7.6	1537	14.1	973	9.0	215	2.0	1556	14.3	41	0.4	2	0.0	10868	100.0
North Coast	2384	45.9	566	10.9	398	7.7	749	14.4	448	8.6	111	2.1	516	9.9	26	0.5	1	0.0	5199	100.0
Greater Southern	1776	43.8	430	10.6	301	7.4	613	15.1	544	13.4	86	2.1	286	7.1	16	0.4	0	0.0	4052	100.0
Greater Western	1626	40.0	488	12.0	308	7.6	649	16.0	347	8.5	117	2.9	496	12.2	26	0.6	5	0.1	4062	100.0
Other/Not stated	490	44.4	76	6.9	132	12.0	154	14.0	90	8.2	18	1.6	139	12.6	4	0.4	0	0.0	1103	100.0
TOTAL	38291	40.5	7339	7.8	8553	9.0	15878	16.8	8607	9.1	1648	1.7	14003	14.8	263	0.3	20	0.0	94602	100.0

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

[#]May include artificial rupture of membranes (ARM).

^{##}This category includes other forms of induction such as Foley's catheter.

Birth

Sixty percent of confinements were by normal vaginal birth, 10.6% were instrumental and 29.0% were by caesarean section (Table 27). The highest rate of normal vaginal birth was among residents of the North Coast Area (67.7%), whereas the highest rates of instrumental birth were among residents of the South Eastern Sydney and Illawarra Area (13.1%). The caesarean section rate varied from 25.4% among mothers resident in the Hunter and New England Area to 35.7% in the Northern Sydney and Central Coast Area.

Birth weight

In 2007, 6.1% of births were low birth weight (less than 2500 g). These comprised 0.7% of birth weight less than 1000 g, 0.5% in the 1000–1499-gram range and 4.9% in the 1500–2499-gram range (Table 28). Rates of low birth weight ranged from 4.6% in Greater Southern Area to 7.3% in the Hunter and New England Area.

Table 27. Type of birth by health area of residence, NSW, 2007

Health area	Type of birth															
	Normal vaginal		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section [#]		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	13 294	62.7	636	3.0	1547	7.3	78	0.4	3306	15.6	2335	11.0	10	0.0	21 206	100.0
South Eastern Sydney and Illawarra	8588	55.1	606	3.9	1440	9.2	53	0.3	2946	18.9	1960	12.6	4	0.0	15 597	100.0
Sydney West	10 974	60.7	808	4.5	1037	5.7	66	0.4	2894	16.0	2288	12.7	1	0.0	18 068	100.0
Northern Sydney and Central Coast	7413	51.3	524	3.6	1296	9.0	43	0.3	3030	21.0	2128	14.7	13	0.1	14 447	100.0
Hunter and New England	6971	64.1	372	3.4	679	6.2	79	0.7	1537	14.1	1228	11.3	2	0.0	10 868	100.0
North Coast	3518	67.7	97	1.9	224	4.3	26	0.5	749	14.4	576	11.1	9	0.2	5199	100.0
Greater Southern	2564	63.3	135	3.3	290	7.2	8	0.2	613	15.1	441	10.9	1	0.0	4052	100.0
Greater Western	2616	64.4	70	1.7	195	4.8	22	0.5	649	16.0	483	11.9	27	0.7	4062	100.0
Other/Not stated	710	64.4	25	2.3	71	6.4	6	0.5	154	14.0	133	12.1	4	0.4	1103	100.0
TOTAL	56 648	59.9	3273	3.5	6779	7.2	381	0.4	15 878	16.8	11 572	12.2	71	0.1	94 602	100.0

Source: NSW Midwives Data Collection (HOIST). Centre for Epidemiology and Research, NSW Department of Health.
[#]Emergency caesarean section includes caesarean section where the onset of labour was not stated.

Table 28. Birth weight and health area of residence, NSW, 2007

Health area	Birth weight (g)																							
	<500		500–999		1000–1499		1500–1999		2000–2499		2500–2999		3000–3499		3500–3999		4000–4499		4500+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	51	0.2	112	0.5	132	0.6	253	1.2	793	3.7	3452	16.0	8051	37.4	6351	29.5	1933	9.0	344	1.6	45	0.2	21 517	100.0
South Eastern Sydney and Illawarra	32	0.2	54	0.3	65	0.4	210	1.3	562	3.5	2391	15.1	5912	37.3	4893	30.9	1519	9.6	214	1.3	7	0.0	15 859	100.0
Sydney West	58	0.3	78	0.4	128	0.7	201	1.1	701	3.8	2843	15.5	6635	36.2	5480	29.9	1881	10.3	321	1.8	12	0.1	18 338	100.0
Northern Sydney and Central Coast	35	0.2	46	0.3	64	0.4	146	1.0	459	3.1	1966	13.4	5400	36.8	4787	32.6	1507	10.3	241	1.6	17	0.1	14 668	100.0
Hunter and New England	43	0.4	62	0.6	70	0.6	163	1.5	471	4.3	1517	13.7	3666	33.2	3540	32.1	1268	11.5	229	2.1	8	0.1	11 037	100.0
North Coast	9	0.2	22	0.4	20	0.4	52	1.0	230	4.4	715	13.6	1844	35.0	1673	31.7	589	11.2	112	2.1	6	0.1	5272	100.0
Greater Southern	9	0.2	12	0.3	11	0.3	22	0.5	135	3.3	578	14.1	1414	34.6	1333	32.6	478	11.7	92	2.2	5	0.1	4089	100.0
Greater Western	14	0.3	23	0.6	17	0.4	61	1.5	154	3.7	665	16.1	1483	35.9	1210	29.3	419	10.1	79	1.9	7	0.2	4132	100.0
Other/Not stated	4	0.4	13	1.2	5	0.4	11	1.0	36	3.2	138	12.3	385	34.4	381	34.1	123	11.0	21	1.9	1	0.1	1118	100.0
TOTAL	255	0.3	422	0.4	512	0.5	1119	1.2	3541	3.7	14 265	14.9	34 790	36.2	29 648	30.9	9717	10.1	1653	1.7	108	0.1	96 030	100.0

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

Gestational age

The majority of births (91.6%) were at term, and 0.9% were post-term (42+ weeks). The 7.4% of preterm births comprised 0.7% born at less than 28 weeks, 0.7% at

28–31 weeks, and 5.9% at 32–36 weeks. The highest rate of preterm birth was in the Hunter and New England Area (8.8%), whereas the lowest was 5.1% in the Greater Southern Area (Table 29).

Table 29. Gestational age and health area of residence, NSW, 2007

Health area	Gestational age (weeks)													
	<28		28–31		32–36		37–41		42+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	158	0.7	168	0.8	1217	5.7	19 806	92.0	150	0.7	18	0.1	21 517	100.0
South Eastern Sydney and Illawarra	91	0.6	99	0.6	1021	6.4	14 480	91.3	165	1.0	3	0.0	15 859	100.0
Sydney West	143	0.8	141	0.8	1138	6.2	16 800	91.6	105	0.6	11	0.1	18 338	100.0
Northern Sydney and Central Coast	89	0.6	101	0.7	770	5.2	13 555	92.4	149	1.0	4	0.0	14 668	100.0
Hunter and New England	116	1.1	71	0.6	784	7.1	9910	89.8	153	1.4	3	0.0	11 037	100.0
North Coast	32	0.6	26	0.5	297	5.6	4838	91.8	79	1.5	0	0.0	5272	100.0
Greater Southern	23	0.6	14	0.3	172	4.2	3822	93.5	57	1.4	1	0.0	4089	100.0
Greater Western	40	1.0	31	0.8	249	6.0	3773	91.3	37	0.9	2	0.0	4132	100.0
Other/Not stated	15	1.3	9	0.8	55	4.9	1027	91.9	12	1.1	0	0.0	1118	100.0
TOTAL	707	0.7	660	0.7	5703	5.9	88 011	91.6	907	0.9	42	0.0	96 030	100.0

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

Infant feeding

In 2007, infant feeding on discharge from hospital was reported for 95 212 live births (Table 30). The majority of babies (78.9%) were reported to be fully breastfed, 12.9% were receiving infant formula only, and a further

6.4% were being partially breastfed. Rates of full breast-feeding varied from 72.2% in the Sydney South West Area to 85.8% in the Northern Sydney and Central Coast Area.

Table 30. Live births by infant feeding on discharge and health area of residence, NSW, 2007

Health area	Full breast-feeding		Any breast-feeding		Infant feeding Infant formula only		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%
	Sydney South West	15 406	72.2	2440	11.4	3075	14.4	413	1.9	21 334
South Eastern Sydney and Illawarra	13 021	82.6	879	5.6	1673	10.6	195	1.2	15 768	100.0
Sydney West	13 819	76.4	1226	6.8	2778	15.4	272	1.5	18 095	100.0
Northern Sydney and Central Coast	12 504	85.8	790	5.4	1120	7.7	157	1.1	14 571	100.0
Hunter and New England	8641	78.9	346	3.2	1749	16.0	221	2.0	10 957	100.0
North Coast	4462	85.2	138	2.6	487	9.3	149	2.8	5236	100.0
Greater Southern	3171	78.2	171	4.2	638	15.7	75	1.8	4055	100.0
Greater Western	3110	76.1	76	1.9	704	17.2	199	4.9	4089	100.0
Other/Not stated	956	86.4	46	4.2	76	6.9	29	2.6	1107	100.0
TOTAL	75 090	78.9	6112	6.4	12 300	12.9	1710	1.8	95 212	100.0

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

Perinatal outcomes

The perinatal mortality rate in 2007 was 9.0 per 1000 births. This rate includes all live births, and stillbirths of at least 400 g birth weight or at least 20 weeks gestation (Table 31). The perinatal mortality rate varied from 7.4 per 1000 in the Northern Sydney and Central Coast Area to 12.1 per 1000 in the Greater Western Area.

Table 31. Perinatal outcomes by health area of residence, NSW, 2007#

Health area	Live born surviving		Stillbirth		Neonatal death		Death – age not stated		Not stated		Total births		Perinatal mortality/1000 births
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	
Sydney South West	21 280	98.9	146	0.7	54	0.3	0	0.0	37	0.2	21 517	100.0	9.3
South Eastern Sydney	15 724	99.1	82	0.5	44	0.3	0	0.0	9	0.1	15 859	100.0	7.9
Sydney West	18 057	98.5	126	0.7	38	0.2	0	0.0	117	0.6	18 338	100.0	8.9
Northern Sydney and Central Coast	14 553	99.2	90	0.6	18	0.1	2	0.0	5	0.0	14 668	100.0	7.4
Hunter and New England	10 908	98.8	75	0.7	49	0.4	1	0.0	4	0.0	11 037	100.0	11.2
North Coast	5 224	99.1	33	0.6	12	0.2	2	0.0	1	0.0	5 272	100.0	8.5
Greater Southern	4 050	99.0	31	0.8	5	0.1	1	0.0	2	0.0	4 089	100.0	8.8
Greater Western	4 075	98.6	36	0.9	14	0.3	1	0.0	6	0.1	4 132	100.0	12.1
Other/Not stated	1 102	98.6	10	0.9	5	0.4	1	0.1	0	0.0	1 118	100.0	–
TOTAL	94 973	98.9	629	0.7	239	0.2	8	0.0	181	0.2	96 030	100.0	9.0

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

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

Live births by statistical local areas (Table 32)

Table 32. Live births by health area and statistical local area of residence, NSW, 2007

Health area/statistical local area	No.	%	Health area/statistical local area	No.	%
Sydney South West			Hawkesbury	882	4.9
Ashfield	579	2.7	Holroyd	1785	9.9
Bankstown – North-East	1224	5.7	Lithgow	287	1.6
Bankstown – North-West	1043	4.9	Parramatta – Inner	873	4.8
Bankstown – South	755	3.5	Parramatta – North-East	571	3.2
Burwood	388	1.8	Parramatta – North-West	558	3.1
Camden	872	4.1	Parramatta – South	686	3.8
Campbelltown – North	1259	5.9	Penrith – East	1536	8.5
Campbelltown – South	1172	5.5	Penrith – West	1286	7.1
Canada Bay – Concord	468	2.2	Other	54	0.3
Canada Bay – Drummoyne	569	2.7	TOTAL	18 095	100.0
Canterbury	2299	10.8	Northern Sydney and Central Coast		
Fairfield – East	1881	8.8	Gosford – East	680	4.7
Fairfield – West	879	4.1	Gosford – West	1263	8.7
Leichhardt	1038	4.9	Hornsby – North	744	5.1
Liverpool – East	1842	8.6	Hornsby – South	1075	7.4
Liverpool – West	1202	5.6	Hunters Hill	146	1.0
Marrickville	1277	6.0	Ku-ring-gai	840	5.8
Strathfield	393	1.8	Lane Cove	438	3.0
Sydney – Inner	5	0.0	Manly	693	4.8
Sydney – South	615	2.9	Mosman	372	2.6
Sydney – West	468	2.2	North Sydney	969	6.6
Wingecarribee	482	2.3	Pittwater	755	5.2
Wollondilly	557	2.6	Ryde	1384	9.5
Other	67	0.3	Warringah	2175	14.9
TOTAL	21 334	100.0	Willoughby	1024	7.0
South Eastern Sydney and Illawarra			Wyong – North-East	1001	6.9
Botany	586	3.7	Wyong – South and West	973	6.7
Hurstville	1062	6.7	Other	41	0.3
Kiama	203	1.3	TOTAL	14 573	100.0
Kogarah	714	4.5	Hunter and New England		
Randwick	1886	12.0	Armidale Dumaresq – City	273	2.5
Rockdale	1480	9.4	Armidale Dumaresq – Balance	30	0.3
Shellharbour	881	5.6	Cessnock	730	6.7
Shoalhaven – Pt A	435	2.8	Dungog	101	0.9
Shoalhaven – Pt B	557	3.5	Glen Innes Severn	106	1.0
Sutherland Shire – East	1440	9.1	Gloucester	54	0.5
Sutherland Shire – West	1533	9.7	Greater Taree	529	4.8
Sydney – Inner	158	1.0	Great Lakes	281	2.6
Sydney (SESAHS)	421	2.7	Gunnedah	177	1.6
Sydney – South	161	1.0	Guyra	52	0.5
Waverley	1034	6.6	Gwydir	45	0.4
Wollongong – Inner	1247	7.9	Inverell – Pt A	49	0.4
Wollongong – Balance	1211	7.7	Inverell – Pt B	175	1.6
Woollahra	696	4.4	Lake Macquarie – East	706	6.4
Other	63	0.4	Lake Macquarie – North	1000	9.1
TOTAL	15 768	100.0	Lake Macquarie – West	556	5.1
Sydney West			Liverpool Plains	82	0.1
Auburn	1326	7.3	Maitland	1014	9.3
Baulkham Hills – Central	895	4.9	Moree Plains	228	2.1
Baulkham Hills – North	783	4.3	Muswellbrook	258	2.4
Blacktown – North	1705	9.4	Narrabri	211	1.9
Blacktown – South-East	1671	9.2	Newcastle – Inner City	661	6.0
Blacktown – South-West	1871	10.3	Newcastle – Outer West	566	5.2
Blue Mountains	948	5.2	Newcastle – Throsby	743	6.8

(Continued)

Table 32. (Continued)

Health area/statistical local area	No.	%	Health area/statistical local area	No.	%
Port Stephens	802	7.3	Juneë	82	2.0
Singleton	317	2.9	Leeton	145	3.6
Tamworth Regional – Pt A	670	6.1	Lockhart	31	0.8
Tamworth Regional – Pt B	120	1.1	Murray	22	0.5
Tenterfield	30	0.3	Murrumbidgee	48	1.2
Upper Hunter Shire	179	1.6	Narrandera	98	2.4
Uralla	79	0.7	Palerang – Pt A	42	1.0
Walcha	34	0.3	Queanbeyan	205	5.1
Other	100	0.9	Snowy River	59	1.5
TOTAL	10 958	100.0	Temora	71	1.8
North Coast			Tumbarumba	24	0.6
Ballina	397	7.6	Tumut	153	3.8
Bellingen	121	2.3	Upper Lachlan	45	1.1
Byron	282	5.4	Urana	5	0.1
Clarence Valley – Coast	208	4.0	Wagga Wagga – Pt A	804	19.8
Clarence Valley – Grafton	305	5.8	Wagga Wagga – Pt B	44	1.1
Clarence Valley – Balance	74	1.4	Wakool	5	0.1
Coffs Harbour – Pt A	625	11.9	Yass Valley	11	0.3
Coffs Harbour – Pt B	182	3.5	Young	155	3.8
Hastings – Pt A	441	8.4	Other	54	1.3
Hastings – Pt B	289	5.5	TOTAL	4056	100.0
Kempsey	330	6.3	Greater Western		
Kyogle	88	1.7	Bathurst Regional – Pt A	431	10.5
Lismore – Pt A	445	8.5	Bathurst Regional – Pt B	45	1.1
Lismore – Pt B	120	2.3	Blayney	86	2.1
Nambucca	215	4.1	Bogan	46	1.1
Richmond Valley – Casino	142	2.7	Bourke	72	1.8
Richmond Valley Bal	134	2.6	Brewarrina	29	0.7
Tweed – Tweed-Heads	444	8.5	Broken Hill	240	5.9
Tweed – Tweed Coast	109	2.1	Cabonne	160	3.9
Tweed – Pt B	222	4.2	Central Darling	25	0.6
Other	65	1.2	Cobar	81	2.0
TOTAL	5238	100.0	Coonamble	56	1.4
Greater Southern			Cowra	160	3.9
Bega Valley	275	6.8	Dubbo – Pt A	551	13.5
Berrigan	23	0.6	Dubbo – Pt B	39	1.0
Bland	83	2.0	Forbes	126	3.1
Bombala	28	0.7	Gilgandra	62	1.5
Boorowa	12	0.3	Lachlan	100	2.4
Carrathool	37	0.9	Mid-Western Regional – Pt A	244	6.0
Conargo	6	0.1	Mid-Western Regional – Pt B	33	0.8
Coolamon	46	1.1	Narromine	101	2.5
Cooma-Monaro	111	2.7	Oberon	69	1.7
Cootamundra	88	2.2	Orange	630	15.4
Deniliquin	79	1.9	Parkes	205	5.0
Eurobodalla	325	8.0	Walgett	123	3.0
Greater Argyle – Goulburn	225	5.5	Warren	47	1.1
Greater Argyle – Balance	57	1.4	Warrumbungle Shire	123	3.0
Greater Hume Shire	24	0.6	Weddin	36	0.9
Griffith	413	10.2	Wellington	118	2.9
Gundagai	43	1.1	Other	52	1.3
Harden	32	0.8	TOTAL	4090	100.0
Hay	40	1.0	Other/Not stated	1108	100.0
Jerilderie	6	0.1	TOTAL NSW	95 220	100.0

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