

## 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 6 and 7 respectively.

### Confinements

The largest numbers of confinements in 2005 were among mothers resident in the Sydney South West Area (19,713, 22.1 per cent), followed by the Sydney West Area (17,019, 19.1 per cent) and the South Eastern Sydney & Illawarra (14,619, 16.4 per cent) Area (Table 21).

### Maternal age

The proportion of women giving birth at less than 20 years of age varied from 2.0 per cent in the Northern Sydney & Central Coast Area to 8.1 per cent in the Greater Western Area, while the proportion of mothers giving birth at 35 years of age or more ranged from 13.9 per cent in the Greater Western Area to 30.0 per cent in the Northern Sydney & Central Coast Area (Table 21).

### Maternal country of birth

Seventy-nine per cent of women who gave birth in NSW in 2005 were born in English speaking countries, 11.3 per cent were born in Asian countries, and 4.6 per cent were born in the Middle East or Africa (Table 22).

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, and the Middle East and Africa. In the Sydney West Area, the most common maternal countries of birth were in the Middle East and Africa, and in Southern Asia.

### Maternal Aboriginality

In 2005, 2.8 per cent of mothers were reported to be Aboriginal or Torres Strait Islander (Table 23). The proportion of Aboriginal or Torres Strait Islander mothers varied from 0.6 per cent in the Northern Sydney & Central Coast Area to 14.1 per cent in the Greater Western Area.

TABLE 21

MATERNAL AGE BY HEALTH AREA OF RESIDENCE, NSW 2005

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	604	3.1	2958	15.0	5467	27.7	6560	33.3	3409	17.3	667	3.4	47	0.2	1	0.0	19713	100.0
South Eastern Sydney & Illawarra	297	2.0	1425	9.7	3646	24.9	5645	38.6	2981	20.4	599	4.1	22	0.2	4	0.0	14619	100.0
Sydney West	645	3.8	2714	15.9	5193	30.5	5641	33.1	2363	13.9	448	2.6	15	0.1	0	0.0	17019	100.0
Northern Sydney & Central Coast	248	1.8	1019	7.4	2781	20.3	5543	40.5	3371	24.6	701	5.1	34	0.2	0	0.0	13697	100.0
Hunter & New England	694	6.7	1929	18.6	3044	29.3	3118	30.0	1329	12.8	255	2.5	11	0.1	1	0.0	10381	100.0
North Coast	332	6.7	968	19.5	1348	27.1	1468	29.5	707	14.2	135	2.7	12	0.2	3	0.1	4973	100.0
Greater Southern	265	6.6	773	19.4	1120	28.0	1201	30.1	530	13.3	96	2.4	7	0.2	1	0.0	3993	100.0
Greater Western	323	8.1	827	20.8	1189	29.8	1094	27.5	461	11.6	91	2.3	0	0.0	0	0.0	3985	100.0
Other-not stated	32	4.2	126	16.6	218	28.7	232	30.5	124	16.3	25	3.3	1	0.1	2	0.3	760	100.0
TOTAL	3440	3.9	12739	14.3	24006	26.9	30502	34.2	15275	17.1	3017	3.4	149	0.2	12	0.0	89140	100.0

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

TABLE 22

MATERNAL COUNTRY OF BIRTH BY HEALTH AREA OF RESIDENCE, NSW 2005<sup>#</sup>

Health Area	Country of birth group																				TOTAL	
	English speaking		Central & South America		Melanesia, Southern Micronesia & Polynesia				Western & Northern Europe		Eastern Europe, Russia, Central Asian & Baltic States		Middle East & Africa		South East Asia		North East Asia		Southern Asia			
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		No.
Sydney South West	12274	62.4	283	1.4	624	3.2	410	2.1	108	0.5	150	0.8	1981	10.1	2297	11.7	894	4.5	645	3.3	19666	100.0
South Eastern Sydney & Illawarra	11690	80.5	147	1.0	143	1.0	227	1.6	180	1.2	169	1.2	444	3.1	623	4.3	656	4.5	246	1.7	14525	100.0
Sydney West	11920	70.1	138	0.8	531	3.1	149	0.9	80	0.5	89	0.5	1317	7.7	965	5.7	692	4.1	1115	6.6	16996	100.0
Northern Sydney & Central Coast	11352	83.0	119	0.9	92	0.7	91	0.7	213	1.6	119	0.9	223	1.6	441	3.2	747	5.5	279	2.0	13676	100.0
Hunter & New England	9993	96.5	9	0.1	45	0.4	20	0.2	27	0.3	22	0.2	63	0.6	106	1.0	35	0.3	35	0.3	10355	100.0
North Coast	4766	95.9	16	0.3	11	0.2	11	0.2	44	0.9	7	0.1	12	0.2	57	1.1	22	0.4	25	0.5	4971	100.0
Greater Southern	3841	96.2	2	0.1	26	0.7	12	0.3	16	0.4	10	0.3	20	0.5	26	0.7	13	0.3	25	0.6	3991	100.0
Greater Western	3880	97.4	7	0.2	8	0.2	3	0.1	13	0.3	6	0.2	11	0.3	30	0.8	14	0.4	13	0.3	3985	100.0
Other-not stated	638	84.3	5	0.7	5	0.7	4	0.5	7	0.9	6	0.8	9	1.2	26	3.4	44	5.8	13	1.7	757	100.0
TOTAL	70354	79.1	726	0.8	1485	1.7	927	1.0	688	0.8	578	0.7	4080	4.6	4571	5.1	3117	3.5	2396	2.7	88922	100.0

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

<sup>#</sup> Excludes 218 mothers for which country of birth was not stated. Maternal countries of birth and country of birth groups are shown in Appendix 3.

TABLE 23

## MATERNAL ABORIGINALITY BY HEALTH AREA OF RESIDENCE, NSW 2005

Health Area	Aboriginality				Not stated		TOTAL	
	Aboriginal Torres Strait Islander		Non-Aboriginal Torres Strait Islander					
	No.	%	No.	%	No.	%	No.	%
Sydney South West	181	0.9	19515	99.0	17	0.1	19713	100.0
South Eastern Sydney & Illawarra	198	1.4	14358	98.2	63	0.4	14619	100.0
Sydney West	269	1.6	16747	98.4	3	0.0	17019	100.0
Northern Sydney & Central Coast	88	0.6	13605	99.3	4	0.0	13697	100.0
Hunter & New England	600	5.8	9779	94.2	2	0.0	10381	100.0
North Coast	350	7.0	4620	92.9	3	0.1	4973	100.0
Greater Southern	209	5.2	3783	94.7	1	0.0	3993	100.0
Greater Western	560	14.1	3423	85.9	2	0.1	3985	100.0
Other-not stated	19	2.5	740	97.4	1	0.1	760	100.0
TOTAL	2474	2.8	86570	97.1	96	0.1	89140	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 2005, 88.0 per cent of mothers commenced antenatal care prior to 20 weeks gestation. This percentage varied from 82.6 per cent in the Sydney West Area to 95.1 per cent in the Northern Sydney and Central Coast Area (Table 24).

**TABLE 24**

DURATION OF PREGNANCY AT FIRST ANTENATAL CHECK BY HEALTH AREA OF RESIDENCE, NSW 2005									
Health Area	Duration of pregnancy at first antenatal visit						TOTAL		
	0-19		20-plus		Not stated		No.	%	
	No.	%	No.	%	No.	%	No.	%	
Sydney South West	16149	81.9	3431	17.4	133	0.7	19713	100.0	
South Eastern Sydney & Illawarra	3404	91.7	1110	7.6	105	0.7	14619	100.0	
Sydney West	14626	85.9	2318	13.6	75	0.4	17019	100.0	
Northern Sydney & Central Coast	13047	95.3	627	4.6	23	0.2	13697	100.0	
Hunter & New England	8892	85.7	1426	13.7	63	0.6	10381	100.0	
North Coast	4528	91.1	404	8.1	41	0.8	4973	100.0	
Greater Southern	3597	90.1	370	9.3	26	0.7	3993	100.0	
Greater Western	3548	89.0	397	10.0	40	1.0	3985	100.0	
Other-not stated	665	87.5	86	11.3	9	1.2	760	100.0	
<b>TOTAL</b>	<b>78456</b>	<b>88.0</b>	<b>10169</b>	<b>11.4</b>	<b>515</b>	<b>0.6</b>	<b>89140</b>	<b>100.0</b>	

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

## Smoking in pregnancy

In 2005, 13.8 per cent of mothers reported smoking in the second half of pregnancy (Table 25). The lowest reported rate was among mothers resident in the Northern Sydney & Central Coast Area (7.1 per cent) and the highest rate among residents of the Greater Western Area (28.3 per cent).

**TABLE 25**

NUMBER OF CIGARETTES SMOKED IN THE SECOND HALF OF PREGNANCY BY HEALTH AREA OF RESIDENCE, NSW 2005												
Health Area	None		Cigarettes smoked in the second half of pregnancy				Smoked-amount not stated		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	17595	89.3	1152	5.8	812	4.1	75	0.4	79	0.4	19713	100.0
South Eastern Sydney & Illawarra	13281	90.8	864	5.9	394	2.7	49	0.3	31	0.2	14619	100.0
Sydney West	14842	87.2	1122	6.6	897	5.3	151	0.9	7	0.0	17019	100.0
Northern Sydney & Central Coast	12707	92.8	546	4.0	395	2.9	38	0.3	11	0.1	13697	100.0
Hunter & New England	8091	77.9	1155	11.1	1050	10.1	82	0.8	3	0.0	10381	100.0
North Coast	3834	77.1	567	11.4	515	10.4	56	1.1	1	0.0	4973	100.0
Greater Southern	2980	74.6	510	12.8	493	12.3	10	0.3	0	0.0	3993	100.0
Greater Western	2858	71.7	493	12.4	533	13.4	100	2.5	1	0.0	3985	100.0
Other-not stated	632	83.2	74	9.7	40	5.3	11	1.4	3	0.4	760	100.0
<b>TOTAL</b>	<b>76820</b>	<b>86.2</b>	<b>6483</b>	<b>7.3</b>	<b>5129</b>	<b>5.8</b>	<b>572</b>	<b>0.6</b>	<b>136</b>	<b>0.2</b>	<b>89140</b>	<b>100.0</b>

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

## Place of birth

Ninety-six per cent of mothers chose to deliver in a hospital delivery suite in 2005, compared to 3.3 per cent who planned a birth centre birth and 0.2 per cent who planned a home birth (Table 26). Planned birth centre births were most commonly reported in the Sydney West, South Eastern Sydney & Illawarra, and Sydney South West Areas.

## Labour

In 2005, the onset of labour was spontaneous in 58.3 per cent of confinements (Table 27). Labour was induced in 25.4 per cent of confinements and no labour (elective caesarean section) was reported in 16.2 per cent. The rate of spontaneous onset of labour was highest among residents of the North Coast Area (62.5 per cent). The highest rate of induction of labour was among residents of the Greater Western Area (27.8 per cent).

**TABLE 26**

**PLACE OF BIRTH BY HEALTH AREA OF RESIDENCE, NSW 2005**

Health Area	Hospital		Birth Centre		Place of birth						Born before arrival		Not stated		TOTAL	
	No.	%	No.	%	Planned birth centre-hospital admission		Planned home birth		Planned home birth-hospital admission		No.	%	No.	%	No.	%
					No.	%	No.	%	No.	%						
Sydney South West	19352	98.2	214	1.1	57	0.3	7	0.0	4	0.0	79	0.4	0	0.0	19713	100.0
South Eastern	13823	94.6	403	2.8	326	2.2	16	0.1	1	0.0	49	0.3	1	0.0	14619	100.0
Sydney West	16100	94.6	396	2.3	435	2.6	7	0.0	9	0.1	72	0.4	0	0.0	17019	100.0
Northern Sydney	13376	97.7	171	1.2	94	0.7	13	0.1	1	0.0	42	0.3	0	0.0	13697	100.0
& Central Coast	9537	91.9	617	5.9	152	1.5	8	0.1	1	0.0	66	0.6	0	0.0	10381	100.0
Hunter & New England	4861	97.7	14	0.3	27	0.5	40	0.8	14	0.3	17	0.3	0	0.0	4973	100.0
North Coast	3944	98.8	5	0.1	13	0.3	8	0.2	6	0.2	17	0.4	0	0.0	3993	100.0
Greater Southern	3925	98.5	8	0.2	20	0.5	3	0.1	3	0.1	26	0.7	0	0.0	3985	100.0
Greater Western	742	97.6	2	0.3	4	0.5	10	1.3	1	0.1	1	0.1	0	0.0	760	100.0
Other-not stated	85660	96.1	1830	2.1	1128	1.3	112	0.1	40	0.0	369	0.4	1	0.0	89140	100.0
TOTAL																

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

**TABLE 27**

**ONSET AND AUGMENTATION OF LABOUR BY HEALTH AREA OF RESIDENCE, NSW 2005**

Health Area	Spontaneous		Spontaneous augmented with ARM		Spontaneous augmented with oxytocics prosta-glandins		No labour		Onset of labour				Induced-other <sup>#</sup>		Not stated		TOTAL			
	No.	%	No.	%	No.	%	No.	%	Induced-oxytocics prosta-glandins		Induced-ARM only		No.	%	No.	%	No.	%		
									No.	%	No.	%							No.	%
Sydney South West	9205	46.7	977	5.0	2020	10.2	2877	14.6	1673	8.5	250	1.3	2581	13.1	127	0.6	3	0.0	19713	100.0
South Eastern	5923	40.5	1010	6.9	1440	9.9	2535	17.3	1131	7.7	247	1.7	2243	15.3	80	0.5	10	0.1	14619	100.0
Sydney & Illawarra	7234	42.5	1119	6.6	1499	8.8	2553	15.0	1394	8.2	204	1.2	2962	17.4	54	0.3	0	0.0	17019	100.0
Sydney West	5248	38.3	853	6.2	1296	9.5	2843	20.8	905	6.6	203	1.5	2313	16.9	36	0.3	0	0.0	13697	100.0
Northern Sydney & Central Coast	4573	44.1	745	7.2	640	6.2	1580	15.2	882	8.5	274	2.6	1640	15.8	47	0.5	0	0.0	10381	100.0
Hunter & New England	2125	42.7	582	11.7	400	8.0	705	14.2	445	8.9	115	2.3	591	11.9	10	0.2	0	0.0	4973	100.0
North Coast	1696	42.5	442	11.1	241	6.0	640	16.0	522	13.1	108	2.7	325	8.1	19	0.5	0	0.0	3993	100.0
Greater Southern	1693	42.5	369	9.3	192	4.8	625	15.7	404	10.1	177	4.4	514	12.9	11	0.3	0	0.0	3985	100.0
Greater Western	330	43.4	55	7.2	84	11.1	109	14.3	61	8.0	17	2.2	104	13.7	0	0.0	0	0.0	760	100.0
Other-not stated	38027	42.7	6152	6.9	7812	8.8	14467	16.2	7417	8.3	1595	1.8	13273	14.9	384	0.4	13	0.0	89140	100.0
TOTAL																				

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

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

## Delivery

Sixty-one per cent of confinements were by normal vaginal birth, 10.3 per cent were instrumental and 28.1 per cent were by caesarean section (Table 28). The highest rate of normal vaginal birth was among residents of the Greater Western Area (65.7 per cent), while the highest rates of instrumental delivery were among residents of

South Eastern Sydney and Illawarra (13.6 per cent). The caesarean section rate varied from 25.2 per cent among mothers resident in the Sydney South West Area to 34.1 per cent in the Northern Sydney & Central Coast Area.

**TABLE 28**

### TYPE OF DELIVERY BY HEALTH AREA OF RESIDENCE, NSW 2005

Health Area	Type of delivery														TOTAL	
	Normal vaginal birth		Forceps		Vacuum extraction		Vaginal breech		Elective caesarean section		Emergency caesarean section <sup>#</sup>		No.	%		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%				
Sydney South West	12757	64.7	422	2.1	1496	7.6	73	0.4	2877	14.6	2088	10.6	19713	100.0		
South Eastern Sydney & Illawarra	8142	55.7	569	3.9	1417	9.7	42	0.3	2535	17.3	1914	13.1	14619	100.0		
Sydney West	10719	63.0	723	4.2	902	5.3	60	0.4	2553	15.0	2062	12.1	17019	100.0		
Northern Sydney & Central Coast	7330	53.5	439	3.2	1218	8.9	40	0.3	2843	20.8	1827	13.3	13697	100.0		
Hunter & New England	6649	64.0	311	3.0	647	6.2	54	0.5	1580	15.2	1140	11.0	10381	100.0		
North Coast	3314	66.6	103	2.1	242	4.9	18	0.4	705	14.2	591	11.9	4973	100.0		
Greater Southern	2531	63.4	137	3.4	245	6.1	15	0.4	640	16.0	425	10.6	3993	100.0		
Greater Western	2617	65.7	87	2.2	166	4.2	16	0.4	625	15.7	474	11.9	3985	100.0		
Other—not stated	509	67.0	10	1.3	39	5.1	4	0.5	109	14.3	89	11.7	760	100.0		
TOTAL	54568	61.2	2801	3.1	6372	7.1	322	0.4	14467	16.2	10610	11.9	89140	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.

## Birth weight

In 2005, 6.3 per cent of births were low birth weight (less than 2,500 grams). These comprised 0.7 per cent of birth weight less than 1,000 grams, 0.6 per cent in the 1,000 to 1,499 gram range, and 5.0 per cent in the 1,500 to 2,499 gram range (Table 29). Rates of low birth weight ranged from 4.6 per cent in Greater Southern Area to 7.6 per cent in the Hunter and New England Area.

**TABLE 29**

### BIRTHS BY BIRTH WEIGHT AND HEALTH AREA OF RESIDENCE, NSW 2005

Health Area	Birth weight (grams)																		TOTAL					
	Less than 500		500–999		1000–1499		1500–1999		2000–2499		2500–2999		3000–3499		3500–3999		4000–4499			4500+		Not stated		
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		No.	%			
Sydney South West	56	0.3	98	0.5	107	0.5	244	1.2	747	3.7	3301	16.5	7431	37.1	5786	28.9	1892	9.5	336	1.7	18	0.1	20016	100.0
South Eastern Sydney & Illawarra	36	0.2	58	0.4	78	0.5	193	1.3	550	3.7	2183	14.7	5463	36.7	4592	30.9	1469	9.9	244	1.6	16	0.1	14882	100.0
Sydney West	39	0.2	79	0.5	103	0.6	191	1.1	677	3.9	2686	15.5	6219	36.0	5339	30.9	1684	9.7	279	1.6	3	0.0	17299	100.0
Northern Sydney & Central Coast	27	0.2	39	0.3	81	0.6	153	1.1	491	3.5	1905	13.7	4983	35.7	4465	32.0	1544	11.1	251	1.8	11	0.1	13950	100.0
Hunter & New England	44	0.4	69	0.7	73	0.7	156	1.5	456	4.3	1593	15.1	3502	33.1	3263	30.9	1197	11.3	209	2.0	9	0.1	10571	100.0
North Coast	11	0.2	21	0.4	38	0.8	47	0.9	193	3.8	699	13.9	1704	33.8	1622	32.2	579	11.5	117	2.3	6	0.1	5037	100.0
Greater Southern	4	0.1	10	0.2	12	0.3	39	1.0	121	3.0	599	14.8	1477	36.5	1248	30.9	448	11.1	84	2.1	0	0.0	4042	100.0
Greater Western	9	0.2	14	0.3	16	0.4	71	1.8	190	4.7	598	14.8	1384	34.2	1259	31.1	415	10.3	83	2.1	4	0.1	4043	100.0
Other—not stated	1	0.1	4	0.5	5	0.6	6	0.8	27	3.5	111	14.4	288	37.4	248	32.2	70	9.1	10	1.3	0	0.0	770	100.0
TOTAL	227	0.3	392	0.4	513	0.6	1100	1.2	3452	3.8	13675	15.1	32451	35.8	27822	30.7	9298	10.3	1613	1.8	67	0.1	90610	100.0

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

## Gestational age

The majority of births (90.9 per cent) were at term, and 1.9 per cent were post-term (42-plus weeks). The 7.2 per cent of preterm births comprised 0.7 per cent born at less than 28 weeks, 0.7 per cent at 28–31 weeks, and 5.8 per

cent at 32–36 weeks. The highest rate of preterm birth was in the Hunter and New England Area (8.7 per cent), while the lowest was 5.5 per cent in the Greater Southern Area (Table 30).

**TABLE 30**

### BIRTHS BY GESTATIONAL AGE AND HEALTH AREA OF RESIDENCE, NSW 2005

Health Area	Less than 28		28–31		32–36		Gestational age (weeks) 37–41		42+		Not stated		TOTAL	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Sydney South West	150	0.7	139	0.7	1051	5.3	18201	90.9	475	2.4	0	0.0	20016	100.0
South Eastern Sydney & Illawarra	94	0.6	100	0.7	910	6.1	13461	90.5	311	2.1	6	0.0	14882	100.0
Sydney West	113	0.7	117	0.7	995	5.8	15856	91.7	216	1.2	2	0.0	17299	100.0
Northern Sydney & Central Coast	69	0.5	102	0.7	784	5.6	12768	91.5	226	1.6	1	0.0	13950	100.0
Hunter & New England	116	1.1	108	1.0	692	6.5	9390	88.8	265	2.5	0	0.0	10571	100.0
North Coast	33	0.7	45	0.9	294	5.8	4581	90.9	84	1.7	0	0.0	5037	100.0
Greater Southern	12	0.3	16	0.4	193	4.8	3752	92.8	69	1.7	0	0.0	4042	100.0
Greater Western	27	0.7	25	0.6	285	7.0	3653	90.4	52	1.3	1	0.0	4043	100.0
Other—not stated	8	1.0	2	0.3	44	5.7	705	91.6	11	1.4	0	0.0	770	100.0
<b>TOTAL</b>	<b>622</b>	<b>0.7</b>	<b>654</b>	<b>0.7</b>	<b>5248</b>	<b>5.8</b>	<b>82367</b>	<b>90.9</b>	<b>1709</b>	<b>1.9</b>	<b>10</b>	<b>0.0</b>	<b>90610</b>	<b>100.0</b>

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

## Perinatal outcomes

The perinatal mortality rate in 2005 was 8.7 per 1,000 births. This includes all births and deaths of babies of at least 400 grams birthweight or at least 20 weeks gestation (Table 31). The rate varied from 6.4 per 1,000 in the Northern Sydney and Central Coast Areas to 13.1 per 1,000 in the Hunter and New England Area.

**TABLE 31**

### PERINATAL MORTALITY BY HEALTH AREA OF RESIDENCE, NSW 2005<sup>#</sup>

Health Area	Liveborn surviving		Stillborn		Perinatal outcome Neonatal death		Not stated		Total births		Perinatal mortality rate/1,000 births
	No.	%	No.	%	No.	%	No.	%	No.	%	
Sydney South West	19823	99.0	125	0.6	63	0.3	5	0.0	20016	100.0	9.4
South Eastern Sydney & Illawarra	14748	99.1	82	0.6	39	0.3	13	0.1	14882	100.0	8.1
Sydney West	17141	99.1	104	0.6	46	0.3	8	0.0	17299	100.0	8.7
Northern Sydney & Central Coast	13858	99.3	57	0.4	32	0.2	3	0.0	13950	100.0	6.4
Hunter & New England	10430	98.7	94	0.9	45	0.4	2	0.0	10571	100.0	13.1
North Coast	5000	99.3	26	0.5	10	0.2	1	0.0	5037	100.0	7.1
Greater Southern	4014	99.3	21	0.5	7	0.2	0	0.0	4042	100.0	6.9
Greater Western	4005	99.1	25	0.6	13	0.3	0	0.0	4043	100.0	9.4
Other—not stated	767	99.6	1	0.1	2	0.3	0	0.0	770	100.0	—
<b>TOTAL</b>	<b>89786</b>	<b>99.1</b>	<b>535</b>	<b>0.6</b>	<b>257</b>	<b>0.3</b>	<b>32</b>	<b>0.0</b>	<b>90610</b>	<b>100.0</b>	<b>8.7</b>

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

<sup>#</sup> 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.

## Livebirths by statistical local areas

**TABLE 32**

**LIVEBIRTHS BY HEALTH AREA AND STATISTICAL LOCAL AREA OF RESIDENCE, NSW 2005**

Health Area and Statistical Local Area	No.	%	Health Area and Statistical Local Area	No.	%
<b>Sydney South West</b>			<b>Northern Sydney &amp; Central Coast</b>		
Ashfield	519	2.6	Gosford–East	670	4.8
Bankstown–North-East	1110	5.6	Gosford–West	1287	9.3
Bankstown –North-West	1013	5.1	Hornsby–North	769	5.5
Bankstown–South	692	3.5	Hornsby–South	1061	7.6
Burwood	310	1.6	Hunters Hill	156	1.1
Camden	768	3.9	Ku–ring–gai	865	6.2
Campbelltown–North	1222	6.1	Lane Cove	438	3.2
Campbelltown–South	1024	5.1	Manly	635	4.6
Canada Bay–Concord	435	2.2	Mosman	360	2.6
Canada Bay–Drummoyne	529	2.7	North Sydney	895	6.4
Canterbury	2243	11.3	Pittwater	742	5.3
Fairfield–East	1793	9.0	Ryde	1246	9.0
Fairfield–West	855	4.3	Warringah	1897	13.7
Leichhardt	971	4.9	Willoughby	1002	7.2
Liverpool–East	1828	9.2	Wyong–North–East	997	7.2
Liverpool–West	1134	5.7	Wyong–South and West	870	6.3
Marrickville	1136	5.7	TOTAL	13890	100.0
Strathfield	335	1.7	<b>Hunter &amp; New England</b>		
Sydney–Inner	5	0.0	Armidale Dumaresq–City	217	2.1
Sydney–South	471	2.4	Armidale Dumaresq–Balance	73	0.7
Sydney–West	354	1.8	Cessnock	665	6.3
Wingecarribee	495	2.5	Dungog	102	1.0
Wollondilly	644	3.2	Glen Innes Severn	101	1.0
TOTAL	19886	100.0	Gloucester	49	0.5
<b>South Eastern Sydney &amp; Illawarra</b>			Greater Taree	498	4.8
Botany Bay	506	3.4	Great Lakes	339	3.2
Hurstville	1056	7.1	Gunnedah	160	1.5
Kiama	194	1.3	Guyra	58	0.6
Kogarah	708	4.8	Gwydir	57	0.5
Randwick	1724	11.7	Inverell – Pt A	58	0.6
Rockdale	1382	9.3	Inverell – Pt B	131	1.3
Shellharbour	858	5.8	Lake Macquarie–East	680	6.5
Shoalhaven–Pt A	396	2.7	Lake Macquarie–North	953	9.1
Shoalhaven–Pt B	511	3.5	Lake Macquarie–West	585	5.6
Sutherland Shire–East	1352	9.1	Liverpool Plains	102	1.0
Sutherland Shire–West	1469	9.9	Maitland	898	8.6
Sydney–Inner	155	1.0	Moree Plains	239	2.3
Sydney–South	136	0.9	Muswellbrook	260	2.5
Sydney–East	367	2.5	Narrabri	166	1.6
Waverley	906	6.1	Newcastle–Inner City	603	5.8
Wollongong–Inner	1206	8.2	Newcastle–Outer West	616	5.9
Wollongong–Balance	1206	8.2	Newcastle–Throsby	728	6.9
Woollahra	651	4.4	Port Stephens	748	7.1
Other–not stated	4	0.0	Singleton	315	3.0
TOTAL	14787	100.0	Tamworth Regional–Pt A	562	5.4
<b>Sydney West</b>			Tamworth Regional–Pt B	180	1.7
Auburn	1153	6.7	Tenterfield	45	0.4
Baulkham Hills–Central	863	5.0	Upper Hunter Shire	191	1.8
Baulkham Hills–North	822	4.8	Uralla	61	0.6
Baulkham Hills–South	370	2.2	Walcha	34	0.3
Blacktown–North	1610	9.4	Other–not stated	1	0.0
Blacktown–South-East	1546	9.0	TOTAL	10475	100.0
Blacktown–South-West	1856	10.8			
Blue Mountains	990	5.8			
Hawkesbury	930	5.4			
Holroyd	1602	9.3			
Lithgow	240	1.4			
Parramatta–Inner	652	3.8			
Parramatta–North-East	520	3.0			
Parramatta–North-West	563	3.3			
Parramatta–South	628	3.7			
Penrith–East	1502	8.7			
Penrith–West	1340	7.8			
TOTAL	17187	100.0			

**TABLE 32 (continued)**
**LIVEBIRTHS BY HEALTH AREA AND STATISTICAL LOCAL AREA OF RESIDENCE, NSW 2005**

Health Area and Statistical Local Area	No.	%	Health Area and Statistical Local Area	No.	%
<b>North Coast</b>					
Ballina	333	6.6	Snowy River	71	1.8
Bellingen	120	2.4	Temora	87	2.2
Byron	331	6.6	Tumbarumba	30	0.7
Clarence Valley–Coast	170	3.4	Tumut Shire	140	3.5
Clarence Valley–Grafton	267	5.3	Upper Lachlan	83	2.1
Clarence ValleyBal	123	2.5	Urana	5	0.1
Coffs Harbour–Pt A	555	11.1	Wagga Wagga–Pt A	706	17.6
Coffs Harbour–Pt B	168	3.4	Wagga Wagga–Pt B	86	2.1
Hastings–Pt A	452	9.0	Wakool	6	0.1
Hastings–Pt B	298	5.9	Yass Valley	8	0.2
Kempsey	372	7.4	Young	112	2.8
Kyogle	76	1.5	Other–not stated	7	0.2
Lismore–Pt A	414	8.3	TOTAL	4021	100.0
Lismore–Pt B	154	3.1	<b>Greater Western</b>		
Nambucca	170	3.4	Bathurst Regional–Pt A	42	10.7
Richmond Valley–Casino	154	3.1	Bathurst Regional–Pt B	43	1.1
Richmond Valley Bal	125	2.5	Blayney–Pts A & B	96	2.4
Tweed–Tweed–Heads	401	8.0	Bogan	69	1.7
Tweed–Tweed Coast	100	2.0	Bourke	56	1.4
Tweed–Pt B	227	4.5	Brewarrina	38	0.9
TOTAL	5010	100.0	Broken Hill	235	5.8
<b>Greater Southern</b>					
Albury	9	0.2	Cabonne–Pts A, B & C	96	2.4
Bega Valley	294	7.3	Central Darling	27	0.7
Berrigan	27	0.7	Cobar	78	1.9
Bland	73	1.8	Coonamble	57	1.4
Bombala	26	0.6	Cowra	162	4.0
Boorowa	27	0.7	Dubbo–Pt A	565	14.1
Carrathool	52	1.3	Dubbo–Pt B	62	1.5
Conargo	16	0.4	Forbes	113	2.8
Coolamon	52	1.3	Gilgandra	60	1.5
Cooma-Monaro	92	2.3	Lachlan	101	2.5
Cootamundra	90	2.2	Mid–Western Regional–Pt A	264	6.6
Deniliquin	87	2.2	Mid–Western Regional–Pt B	34	0.8
Eurobodalla	334	8.3	Narromine	88	2.2
Goulburn Mulwaree–Goulburn	230	5.7	Oberon	133	3.3
Goulburn Mulwaree–Balance	20	0.5	Orange	571	14.2
Greater Hume Shire–Pt B	26	0.6	Parkes	206	5.1
Griffith	387	9.6	Walgett	103	2.6
Gundagai	48	1.2	Warren	53	1.3
Harden	45	1.1	Warrumbungle Shire	124	3.1
Hay	54	1.3	Weddin	35	0.9
Jerilderie	13	0.3	Wellington	107	2.7
Junee	69	1.7	Wentworth	7	0.2
Leeton	170	4.2	Unincorp. Far West	5	0.1
Lockhart	39	1.0	Other–not stated	2	0.0
Murray	12	0.3	TOTAL	4018	100.0
Murrumbidgee	40	1.0	Other–not stated	769	100.0
Narrandera	80	2.0	<b>TOTAL NSW</b>		
Palerang–Pt A	39	1.0		90043	100.0
Palerang–Pt B	10	0.2			
Queanbeyan	219	5.4			

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