

## 5A Early child development and growth (prenatal to age 3) — attachment

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Table 5A.1.1

**Table 5A.1.1 Number and rate of separations with a principal diagnosis of infectious disease by children aged less than 4 years, 2002–03 (a), (b), (c)**

<i>ICD-10-AM code and description</i>	<i>Separations (no.)</i>			<i>Age specific rate (d)</i>	
	<i>Indigenous</i>	<i>non-Indigenous</i>	<i>Total</i>	<i>Indigenous (e)</i>	<i>non-Indigenous</i>
Intestinal infectious diseases (A00–A09)	2 085	15 236	17 600	43.3	16.1
Tuberculosis (A15–A19)	5	33	38	0.1	–
Certain zoonotic bacterial diseases (A20–A28)	3	5	8	0.1	–
Other bacterial diseases (A30–A49)	153	1 445	1 626	3.2	1.5
A37 Whooping cough	28	174	206	0.6	0.2
A39 Meningococcal infection	16	199	218	0.3	0.2
A40 Streptococcal septicaemia	22	232	259	0.5	0.2
Infections with a predominantly sexual mode of transmission (A50–A64)	18	6	24	0.4	–
Other spirochaetal diseases (A65–A69)	–	3	3	–	–
Other diseases caused by chlamydiae (A70–A74)	2	2	4	–	–
A71 Trachoma	1	–	1	–	–
Rickettsioses (A75–A79)	1	1	2	–	–
Viral infections of the central nervous system (A80–A89)	8	170	180	0.2	0.2
A83 Mosquito-borne viral encephalitis	–	–	–	–	–
Arthropod-borne viral fevers and viral haemorrhagic fevers (A90–A99)	–	2	2	–	–
Viral infections characterised by skin and mucous membrane lesions (B00–B09)	79	1 099	1 200	1.6	1.2
B01 Varicella [chickenpox]	28	289	322	0.6	0.3
B05 Measles	–	10	10	–	–
B06 Rubella [German measles]	–	5	5	–	–
Viral hepatitis (B15–B19)	12	4	16	0.2	–
B15 Acute hepatitis A	10	1	11	0.2	–
Other viral diseases (B25–B34)	286	6 388	6 764	5.9	6.7
B26 Mumps	–	1	1	–	–
Mycoses (B35–B49)	24	138	164	0.5	0.1
Protozoal diseases (B50–B64)	–	18	18	–	–

Table 5A.1.1

**Table 5A.1.1 Number and rate of separations with a principal diagnosis of infectious disease by children aged less than 4 years, 2002–03 (a), (b), (c)**

<i>ICD-10-AM code and description</i>	<i>Separations (no.)</i>			<i>Age specific rate (d)</i>	
	<i>Indigenous</i>	<i>non-Indigenous</i>	<i>Total</i>	<i>Indigenous (e)</i>	<i>non-Indigenous</i>
Helminthiases (B65–B83)	6	7	13	0.1	–
Pediculosis, acariasis and other infestations (B85–B89)	106	16	125	2.2	–
Bacterial, viral and other infectious agents (B95–B97)	2	46	49	–	–
Other infectious diseases (B99)	1	5	6	–	–
G00 Bacterial meningitis, not elsewhere classified	21	173	196	0.4	0.2
Acute upper respiratory infections (J00–J06)	1 100	13 094	14 402	22.9	13.8
Influenza and pneumonia (J10–J18)	1 307	6 967	8 410	27.2	7.4
All infectious disease	5 324	45 769	51 883	110.7	48.2

(a) Diseases are classified based on the ICD-10-AM code and description.

(b) Data are based on jurisdiction of usual residence.

(c) Data were not presented for the ACT and Tasmania due to the small number of Indigenous males and females aged less than four (less than 1000).

(d) Age specific rates are as per 1000 people in that age group (based on ABS 2002 ERP).

(e) Separations where Indigenous status was not stated are included in the non-Indigenous rates.

– Nil or rounded to zero.

Source: AIHW National hospital morbidity database (unpublished).

Table 5A.1.2

**Table 5A.1.2 Number and rate of separations with a principal diagnosis of infectious disease by children aged less than 4 years, 2001-02 (a), (b), (c )**

ICD-10-AM code and description	Separations (no.)				Age specific rate (d)	
	Indigenous	non-Indigenous	not stated	Total	Indigenous (e)	non-Indigenous
Intestinal infectious diseases (A00–A09)	2 158	14 267	232	16 657	46.6	15.3
Other bacterial diseases (A30–A49)	170	1 710	18	1 898	3.7	1.8
A37 Whooping cough	70	409	4	483	1.5	0.4
A39 Meningococcal infection	25	196	2	223	0.5	0.2
A40 Streptococcal septicaemia	12	250	3	265	0.2	0.3
Infections with a predominantly sexual mode of transmission (A50–A64)	12	8	2	22	0.2	–
Viral infections of the central nervous system (A80–A89)	15	225	4	244	0.3	0.2
Arthropod-borne viral fevers and viral haemorrhagic fevers (A90–A99)	19	9	1	29	0.4	–
Viral infections characterised by skin and mucous membrane lesions (B00–B09)	103	1 191	16	1 310	2.2	1.3
B01 Varicella [chickenpox]	35	383	3	421	0.8	0.4
Other viral diseases (B25–B34)	269	6 468	69	6 806	5.8	6.9
Mycoses (B35–B49)	20	85	3	108	0.4	0.1
Pediculosis, acariasis and other infestations (B85–B89)	135	20	1	156	2.9	–
Bacterial, viral and other infectious agents (B95–B97)	7	58	3	68	0.1	0.1
G00 Bacterial meningitis, not elsewhere classified	21	174	5	200	0.4	0.2
Acute upper respiratory infections (J00–J06)	1 062	13 833	188	15 083	22.9	14.8
Influenza and pneumonia (J10–J18)	1 332	6 808	122	8 262	28.8	7.3
<b>Total</b>	<b>5 345</b>	<b>44 936</b>	<b>664</b>	<b>50 944</b>	<b>115.4</b>	<b>48.0</b>

(a) Diseases are classified based on the ICD-10-AM code and description.

(b) Data are based on jurisdiction of usual residence.

(c) Data were not presented for the ACT and Tasmania due to the small number of Indigenous males and females aged less than four (less than 1000).

(d) Age specific rates are as per 1000 people in that age group (based on ABS 2002 ERP).

(e) Separations where Indigenous status was not stated are included in the non-Indigenous rates.

– Nil or rounded to zero.

Source: AIHW National hospital morbidity database (unpublished).

Table 5A.1.3

**Table 5A.1.3 Number and rate of separations with a principal diagnosis of infectious disease by children aged less than and equal to 3 years, by jurisdictions 2002–03 (a), (b), (c)**

	<i>Separations</i>				<i>Age specific rate (d)</i>		
	<i>Indigenous</i>	<i>Non-Indigenous</i>	<i>Not Stated</i>	<i>Total</i>	<i>Indigenous</i>	<i>Non-Indigenous (e)</i>	<i>Indigenous to non-Indigenous ratio (f)</i>
NSW							
Male	476	8 468	37	8 981	64.2	50.1	1.3
Female	356	7 107	34	7 497	51.3	44.4	1.2
Victoria							
Male	67	4 137	1	4 205	48.2	33.6	1.4
Female	40	3 413	1	3 454	28.3	29.0	1.0
Queensland							
Male	471	3 962	177	4 610	68.1	43.6	1.6
Female	344	3 144	147	3 635	67.9	36.9	1.8
WA							
Male	528	1 979	–	2 507	151.3	41.7	3.6
Female	475	1 540	1	2 016	139.9	33.8	4.1
SA							
Male	136	1 517	34	1 687	106.1	43.6	2.4
Female	111	1 216	23	1 350	85.1	36.5	2.3
NT							
Male	488	185	22	695	168.9	47.4	3.6
Female	394	146	15	555	143.6	39.4	3.6

(a) Diseases are classified based on the ICD-10-AM code and description.

(b) Data are based on jurisdiction of usual residence.

(c) Data were not presented for the ACT and Tasmania due to the small number of Indigenous males and females aged less than four (less than 1000).

(d) Age specific rates are as per 1000 (based on ABS 2002 ERP).

(e) Separations where Indigenous status was not stated are included in the non-Indigenous rates.

(f) The ratio is equal to the separation rate for Indigenous persons divided by the separation rate for non-Indigenous people (which includes Indigenous status not reported).

– Nil or rounded to zero.

Source: AIHW National hospital morbidity database (unpublished).

Table 5A.1.4

**Table 5A.1.4 Deaths from selected infectious and parasitic diseases for persons aged less than 4 years, 1999–2003 (a)**

	<i>Unit</i>	<i>Indigenous</i>					<i>Non-Indigenous</i>				
		<i>NSW</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>NT</i>	<i>NSW</i>	<i>Qld</i>	<i>SA</i>	<i>WA</i>	<i>NT</i>
Deaths from selected infectious and parasitic diseases 1999–2003	no.	25	40	5	38	40	390	216	72	82	10
Deaths of all causes 1999–2003	no.	182	213	33	156	162	2 383	1 377	435	534	79
Deaths from selected infectious and parasitic diseases as proportion of deaths from of all causes 1999–2003	%	13.7	18.8	15.2	24.4	24.7	16.4	15.7	16.6	15.4	12.7
Average annual death rate per 10 000 population from selected infectious and parasitic diseases 1999–2003	Per 10 000	3.4	5.9	3.9	11.1	14.5	2.3	2.4	2.0	1.7	2.3
Population aged less than 4 years 2001	no.	14 509	13 577	2 586	6 868	5 499	334 766	183 519	70 320	94 191	8 711

(a) Include deaths from diseases as listed in table 5A.1.1 and deaths from human immunodeficiency virus [HIV] disease (B20-B24).

Source: ABS *Causes of Death 2003*, Cat. no. 3303.0 (unpublished); ABS 2001 ERP.

Table 5A.3.1

**Table 5A.3.1 Baby's birthweight, by live births and fetal deaths, 1999–2001 (a), (b)**

	Aboriginal and Torres Strait Islander						Non-Indigenous								Unknown Indigenous status								All births (c)							
	Live births		Fetal deaths		Total births		Live births		Fetal deaths		Unknown		Total births		Live births		Fetal deaths		Unknown		Total births		Live births		Fetal deaths		Unknown		Total births	
	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%
<b>Australia (excluding Tas and ACT)</b>																														
Low birthweight (<2500g)	3 241	13	255	75	3 496	13	42 418	6	3 609	76	3	13	46 030	6	15	10	2	100	–	–	17	11	47 740	6	4 038	75	3	13	51 781	7
Very low birthweight (<1500g)	594	2	207	61	801	3	7 192	1	2 949	62	1	4	10 142	1	3	2	–	–	–	–	3	2	8 200	1	3 290	62	1	4	11 491	1
Extremely low birthweight (<1000g)	276	1	181	53	457	2	3 126	0	2 583	55	1	4	5 710	1	2	1	–	–	–	–	2	1	3 569	0	2 878	54	1	4	6 448	1
All births	25 807	100	342	100	26 149	100	706 230	100	4 733	100	23	100	710 986	100	152	100	2	100	1	100	155	100	763 635	100	5 349	100	24	100	769 008	100
Mean birthweight	3 171	–	1 432	–	3 149	–	3 382	–	1 373	–	–	–	3 369	–	–	–	–	–	–	–	–	–	3 375	–	1 393	–	–	–	3 362	–
<b>NSW</b>																														
Low birthweight (<2500g)	743	12	55	74	798	13	14 738	6	1 163	73	3	15	15 904	6	10	10	1	100	–	–	11	10	15 491	6	1 219	73	3	14	16 713	6
Very low birthweight (<1500g)	121	2	35	47	156	2	2 429	1	908	57	1	5	3 338	1	2	2	–	–	–	–	2	2	2 552	1	943	57	1	5	3 496	1
Extremely low birthweight (<1000g)	48	1	31	42	79	1	1 050	0	783	49	1	5	1 834	1	2	2	–	–	–	–	2	2	1 100	–	814	49	1	5	1 915	1
All births	6 264	100	74	100	6 338	100	253 013	100	1 591	100	20	100	254 624	100	104	100	1	100	1	100	106	100	259 381	100	1 666	100	21	100	261 068	100
Mean birthweight	3 199	–	1 552	–	3 181	–	3 390	–	1 482	–	–	–	3 378	–	–	–	–	–	–	–	–	–	3 385	–	1 485	–	–	–	3 373	–
<b>Victoria</b>																														
Low birthweight (<2500g)	167	14	14	74	181	14	11 500	6	1 020	77	–	–	12 520	7	–	–	–	–	–	–	–	–	11 667	6	1 034	77	–	–	12 701	7
Very low birthweight (<1500g)	24	2	12	63	36	3	1 933	1	844	64	–	–	2 777	1	–	–	–	–	–	–	–	–	1 957	1	856	64	–	–	2 813	2
Extremely low birthweight (<1000g)	17	1	8	42	25	2	856	0	736	55	–	–	1 592	1	–	–	–	–	–	–	–	–	873	0	744	55	–	–	1 617	1
All births	1 236	100	19	100	1 255	100	184 813	100	1 328	100	–	–	186 141	100	6	100	–	–	–	–	6	100	186 055	100	1 347	100	–	–	187 402	100
Mean birthweight	3 164	–	1 538	–	3 139	–	3 367	–	1 338	–	–	–	3 353	–	–	–	–	–	–	–	–	–	3 366	–	1 340	–	–	–	3 352	–
<b>Queensland</b>																														
Low birthweight (<2500g)	923	11	86	80	1 009	12	8 368	6	754	79	–	–	9 122	7	3	17	1	100	–	–	4	21	9 294	6	841	79	–	–	10 135	7
Very low birthweight (<1500g)	182	2	73	68	255	3	1 501	1	634	66	–	–	2 135	2	1	6	–	–	–	–	1	5	1 684	1	707	66	–	–	2 391	2
Extremely low birthweight (<1000g)	87	1	64	60	151	2	648	0	556	58	–	–	1 204	1	–	–	–	–	–	–	–	–	735	1	620	58	–	–	1 355	1
All births	8 346	100	107	100	8 453	100	138 319	100	956	100	–	–	139 275	100	18	100	1	100	–	–	19	100	146 683	100	1 064	100	–	–	147 747	100

Table 5A.3.1

**Table 5A.3.1 Baby's birthweight, by live births and fetal deaths, 1999–2001 (a), (b)**

	Aboriginal and Torres Strait Islander						Non-Indigenous								Unknown Indigenous status								All births (c)							
	Live births		Fetal deaths		Total births		Live births		Fetal deaths		Unknown		Total births		Live births		Fetal deaths		Unknown		Total births		Live births		Fetal deaths		Unknown		Total births	
	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%
Mean birthweight	3 220	–	1 321	–	3 196	–	3 399	–	1 298	–	–	–	3 385	–	–	–	–	–	–	–	–	–	3 389	–	1 301	–	–	–	3 374	–
WA																														
Low birthweight (<2500g)	666	15	47	78	713	15	4 127	6	387	79	–	–	4 514	6	–	–	–	–	–	–	–	–	4 793	6	434	79	–	–	5 227	7
Very low birthweight (<1500g)	139	3	42	70	181	4	644	1	331	67	–	–	975	1	–	–	–	–	–	–	–	–	783	1	373	68	–	–	1 156	2
Extremely low birthweight (<1000g)	61	1	38	63	99	2	262	0	295	60	–	–	557	1	–	–	–	–	–	–	–	–	323	0	333	60	–	–	656	1
All births	4 574	100	60	100	4 634	100	70 814	100	491	100	–	–	71 305	100	–	–	–	–	–	–	–	–	75 388	100	551	100	–	–	75 939	100
Mean birthweight	3 105	–	1 246	–	3 081	–	3 369	–	1 288	–	–	–	3 355	–	–	–	–	–	–	–	–	–	3 353	–	1 283	–	–	–	3 338	–
SA																														
Low birthweight (<2500g)	211	17	15	63	226	17	3 238	6	248	78	–	–	3 486	7	–	–	–	–	–	–	–	–	3 449	6	263	77	–	–	3 712	7
Very low birthweight (<1500g)	48	4	11	46	59	5	610	1	204	64	–	–	814	2	–	–	–	–	–	–	–	–	658	1	215	63	–	–	873	2
Extremely low birthweight (<1000g)	24	2	9	38	33	3	284	1	187	59	–	–	471	1	–	–	–	–	–	–	–	–	308	1	196	58	–	–	504	1
All births	1 275	100	24	100	1 299	100	52 479	100	317	100	–	–	52 796	100	–	–	–	–	–	–	–	–	53 754	100	341	100	–	–	54 095	100
Mean birthweight	3 105	–	1 856	–	3 082	–	3 373	–	1 331	–	–	–	3 361	–	–	–	–	–	–	–	–	–	3 367	–	1 368	–	–	–	3 354	–
Tas																														
Low birthweight (<2500g)	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Very low birthweight (<1500g)	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Extremely low birthweight (<1000g)	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
All births	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
Mean birthweight	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na	na
ACT																														
Low birthweight (<2500g)	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np
Very low birthweight (<1500g)	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np



Table 5A.3.1

**Table 5A.3.1 Baby's birthweight, by live births and fetal deaths, 1999–2001 (a), (b)**

	Aboriginal and Torres Strait Islander						Non-Indigenous								Unknown Indigenous status								All births (c)								
	Live births		Fetal deaths		Total births		Live births		Fetal deaths		Unknown		Total births		Live births		Fetal deaths		Unknown		Total births		Live births		Fetal deaths		Unknown		Total births		
	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	no.	%	
Extremely low birthweight (<1000g)	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np
All births	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np
Mean birthweight	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np	np
NT																															
Low birthweight (<2500g)	531	13	38	66	569	14	447	7	37	74	–	–	484	7	2	8	–	–	–	–	2	8	980	9	75	69	–	–	1 055	10	
Very low birthweight (<1500g)	80	2	34	59	114	3	75	1	28	56	–	–	103	2	–	–	–	–	–	–	–	–	155	1	62	57	–	–	217	2	
Extremely low birthweight (<1000g)	39	1	31	53	70	2	26	0	26	52	–	–	52	1	–	–	–	–	–	–	–	–	65	1	57	53	–	–	122	1	
All births	4 112	100	58	100	4 170	100	6 792	100	50	100	3	100	6 845	100	24	100	–	–	–	–	24	100	10 928	100	108	100	3	100	11 039	100	
Mean birthweight	3 123	–	1 472	–	3 101	–	3 349	–	1 445	–	–	–	3 336	–	–	–	–	–	–	–	–	–	3 264	–	1 459	–	–	–	3 247	–	

(a) Data are presented in a three year grouping due to small numbers from year to year. ACT not published due to small numbers. Tasmania not available because the Not stated category for Indigenous status was not able to be distinguished from the Non-Indigenous category.

(b) Data on Indigenous births relate to babies born to Indigenous mothers only, and excludes babies born to non-Indigenous mothers and Indigenous fathers. Thus, the information is not based on the total count of Indigenous babies.

(c) The Australian all births section totals includes data for Tas and ACT.

np Not published.

Source: National Perinatal Data Collection, AIHW National Perinatal Statistics Unit (unpublished).

Table 5A.4.1

**Table 5A.4.1 Age specific separations where the principal diagnosis was diseases of the ear and mastoid process, 2002-03 (a)**

<i>Principal diagnosis</i>	<i>Indigenous</i>	<i>Non-Indigenous</i>	<i>Not stated</i>	<i>Total</i>	<i>Indigenous</i>	<i>Non-Indigenous (b)</i>
	no.	no.	no.	no.	per 1000	per 1000
People aged 0–3 years						
Diseases of external ear (H60–H62)	17	215	9	241	0.4	0.2
Diseases of middle ear and mastoid (H65–H75)	444	12 343	710	13 497	9.2	13.5
suppurative and unspecified otitis media (H66)	239	3 930	178	4 347	5.0	4.3
Diseases of inner ear (H80–H83)	1	23	1	25	–	–
Other disorders of ear (H90–H95)	26	554	7	587	0.5	0.6
People aged 4–14 years						
Diseases of external ear (H60–H62)	32	590	30	652	0.2	0.2
Diseases of middle ear and mastoid (H65–H75)	732	14 381	937	16 050	5.5	5.4
suppurative and unspecified otitis media (H66)	202	2 902	149	3 253	1.5	1.1
Diseases of inner ear (H80–H83)	2	38	1	41	–	–
Other disorders of ear (H90–H95)	28	455	16	499	0.2	0.2

(a) Hospital separation is the discharge, transfer, death or change of episode of care of an admitted patient (see glossary for a detailed definition).

(b) Includes separations where Indigenous status was not reported.

– Nil or rounded to zero.

Source: AIHW National hospital morbidity database (unpublished).