

NSW PUBLIC HEALTH BULLETIN

Year In Review 2006

Year in review: communicable disease surveillance, New South Wales, 2006

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In this issue, we review the trends in reports of notifiable diseases among NSW residents received by the NSW Public Health Units (PHU) for 2006. Readers interested in the details of notifications for specific diseases are referred to Tables 1–5, where diseases are reported by: year of onset, month of onset, Area Health Service (AHS), age group and sex. Table 6 shows the number of people with selected notifiable conditions who were reported to have died at the time of follow-up by their local PHU.

Trends

Among the 47 608 NSW residents with medical conditions notified by doctors, hospital staff, and laboratory staff for 2006, highlights included:

Conditions most frequently reported

- Chlamydia: 11 864 cases (173 per 100 000 people), with the highest crude rates by geographical area in the South Eastern Sydney/Illawarra (Randwick region), Hunter/New England (Newcastle region) and Sydney South West (Camperdown region) AHSs
- Pertussis: 4918 cases (73 per 100 000 people), with the highest crude rates in the Greater Western (Broken Hill and Dubbo regions) and Greater Southern (Albury region) Health Areas. Note, a proportion of pertussis notifications may have been false-positive tests caused by the performance of a commonly used serology test kit (see http://www.health.nsw.gov.au/infect/pdf/false_pertussis_tests.pdf)
- Hepatitis C: 4470 cases (65 per 100 000 people), with the highest crude rates in the Sydney South West (Camperdown region), North Coast (Lismore region) and Greater Western (Bathurst region) AHSs
- Hepatitis B: 2543 cases (37 per 100 000 people), with the highest crude rates in the Sydney South West and Sydney West (Parramatta region) AHSs

- Salmonella infections: 2058 cases (26 per 100 000 population), with the highest crude rates in the North Coast (Lismore region), Greater West (Dubbo region) and Hunter New England (Tamworth region) AHSs.

Conditions with the most meaningful declines in the number of notifications compared with previous years

- Hepatitis B: 2543 cases, steadily declining from 4458 cases in 2001, with the most pronounced fall (43% since 2002) in the 35 to 44 year age group, possibly as a result of the ongoing impact of immunisation
- Pneumococcal disease (invasive): 564 cases, a continued decline from 906 in 2004 and most pronounced in the 0-to-2-year age group, possibly a result of the inclusion of the pneumococcal vaccination on the universal childhood vaccination schedule in early 2005
- Meningococcal disease: 107 cases, a continued decline from 253 in 2000, the lowest number of notifications since laboratory reporting began in 1991 and in part due to the introduction of meningococcal C vaccination in late 2003
- Leptospirosis: 17 cases, down from 66 in 2001, the cause of the decline is unclear.

Conditions with the most meaningful increases in the number of notifications compared with previous years

- Chlamydia: 11 864 cases, continuing its rise since it became notifiable in the late 1990s
- Infectious syphilis: re-emerging as a significant issue in the gay community in late 2006
- Barmah Forest virus infection: 644 cases, due to outbreaks mainly in coastal areas of rural NSW in early 2006
- Ross River virus infection: 1225 cases, up from 583 in 2005, due to outbreaks across rural NSW in early 2006

- Gastroenteritis in institutions: 10 636 cases associated with 436 outbreaks, mostly due to norovirus infections
- Mumps: 154 cases, up from 111 in 2005, mainly in young adults and the highest number of laboratory notifications since laboratory reporting began in 1991
- Legionnaires' disease, due to infection with *Legionella pneumophila*: 54 cases, in part due to outbreaks in western and northern Sydney
- Measles: 48 cases, due to two outbreaks, one in March 2006 related to contact at a hospital emergency department and the second, larger outbreak, in people associated with a national spiritual tour.

Note that the apparent increase in giardiasis (1720 cases) and verotoxigenic *Escherichia coli* infections (10 cases) are probably related to changes in laboratory testing practices resulting in a higher proportion of samples tested for these organisms than in the past.

Conditions least frequently reported

There were no reported cases of avian influenza, botulism, chancroid, diphtheria, donovanosis, granuloma inguinale, plague, polio, rabies/lyssavirus, SARS, smallpox, tularaemia, typhus, viral haemorrhagic fevers or yellow fever in NSW in 2006.

Conditions associated with the largest numbers of reported deaths

Deaths reported via the surveillance mechanisms for notifiable conditions may not include all deaths associated with these conditions. PHUs routinely investigate all cases of some notifiable conditions (eg, tuberculosis, measles, meningococcal disease) in order to implement control measures; the investigations are likely to identify associated deaths. However, there are other notifiable conditions (eg, chlamydia and gonorrhoea) where PHUs do not conduct routine investigations and for which deaths will not be identified as part of the notification or public health management process. Conversely, some deaths in patients following notification may be due to conditions other than that notified. Deaths were most frequently reported for the following notifiable diseases:

- Invasive pneumococcal disease: 61 deaths
- HIV infection: 36 deaths, including 13 people who died from AIDS, and 23 people with HIV infection who died of causes other than AIDS
- Tuberculosis: 21 deaths.

Outbreaks and threats

Several notable disease outbreaks and threats were reported in 2006 in NSW. These included:

- Outbreaks of Legionnaires' disease in western Sydney in January 2006¹ and northern Sydney in March 2006² thought to be related to contaminated cooling towers.
- Two outbreaks of measles²
- An outbreak of keratoconjunctivitis in patients of an eye clinic in regional NSW in March 2006²
- Four cases of lymphogranuloma venereum identified in early 2006, the first cases in NSW³
- A cluster of cases of *Salmonella* Saint-Paul infection in October 2006 linked to contaminated rockmelons⁴
- Three cases of cholera in November 2006 linked to consumption of raw imported whitebait.⁵

Conclusions

Sexually transmitted infections, gastroenteritis (particularly norovirus) and arboviruses continue to be significant public health problems in NSW. Much progress has been made with other diseases, such as hepatitis B, invasive pneumococcal disease and meningococcal disease, in which declines were identified. Outbreaks of diseases, that have largely been brought under control, for example measles and mumps (where many young adults remain unvaccinated), continue to pose a threat.

We thank all those general and specialist medical practices, laboratories, hospitals, schools, child-care centres, and others, who have notified diseases of public health significance to their local PHUs for investigation and control.

References

1. NSW Department of Health Communicable Diseases Report, NSW, for January and February 2006. *N S W Public Health Bull* 2006; 17(3–4): 58–9.
2. NSW Department of Health Communicable Diseases Report, NSW, for March and April 2006. *N S W Public Health Bull* 2006; 17(5–6): 88–91.
3. NSW Department of Health Communicable Diseases Report, NSW, for July and August 2006. *N S W Public Health Bull* 2006; 17(9–10): 154–5.
4. NSW Department of Health Communicable Diseases Report, NSW, for September and October 2006. *N S W Public Health Bull* 2006; 17(11–12): 182–3.
5. NSW Department of Health Communicable Diseases Report, NSW, for November and December 2006. *N S W Public Health Bull* 2007; 18(1–2): 28–32.

Table 1. Disease notifications by year of onset of illness^a, NSW, 1991–2006

Condition	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Anthrax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Adverse events after immunisation	9	31	23	40	28	56	70	95	16	42	111	178	219	184	106	65
Arboviral infection	409	343	656	381	539	1227	1806	783	1220	980	1191	664	1024	1148	1087	1920
Barmah Forest virus ^b	6	6	25	39	271	172	185	134	249	197	401	396	451	403	448	644
Ross River virus ^b	297	324	599	331	236	1031	1598	583	952	750	717	182	494	701	583	1225
Other ^b	106	13	32	11	32	24	23	66	19	33	73	86	79	44	56	51
Blood lead level ≥15 µg/dL ^b	Not notifiable until December 1996															
Botulism	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
Brucellosis ^b	2	2	4	4	2	1	3	3	2	1	1	2	3	7	3	9
Chancroid ^b	Not notifiable until December 1998															
Chlamydia trachomatis infection ^b	Not notifiable until August 1998															
Cholera ^b	1	0	1	0	1	3	1	1	2	0	1	1	0	1	0	3
Creutzfeldt–Jakob disease ^b	Not notifiable until April 2004															
Cryptosporidiosis ^b	Not notifiable until December 1996															
Food-borne illness (NOS) ^e	2765	253	106	213	270	211	255	201	151	147	56	41	1071	550	309	507
Gastroenteritis (institutional)	158	406	443	296	1359	554	939	738	673	697	775	1752	3583	12784	1395	10636
Giardiasis ^b	Not notifiable until August 1998															
Gonorrhoea ^b	392	491	382	357	428	522	636	1054	1291	1060	1364	1527	1328	1442	1579	1696
Haemolytic uraemic syndrome	Not notifiable until December 1996															
<i>H. influenzae</i> type b	212	217	124	61	29	13	17	11	13	8	7	10	6	5	7	11
Hib epiglottitis ^b	15	57	32	21	6	2	5	1	2	2	1	1	0	3	0	1
Hib meningitis ^b	48	103	53	17	11	4	3	3	3	1	1	1	0	0	2	0
Hib septicaemia ^b	11	26	24	12	8	3	1	4	6	4	2	3	1	2	4	6
Hib infection (NOS) ^b	138	31	15	11	4	4	8	3	2	1	3	5	5	0	1	4
Hepatitis A ^b	1119	901	579	585	614	958	1426	927	421	201	197	149	124	137	83	95
Hepatitis B	1492	3169	3603	3984	4007	3505	3167	2957	3513	3973	4558	3547	2844	2812	2742	2543
Hepatitis B: acute viral ^b	409	112	95	74	61	43	53	58	77	100	94	88	74	53	56	54
Hepatitis B: other ^b	1083	3057	3508	3910	3946	3462	3114	2899	3436	3873	4464	3459	2770	2759	2686	2489
Hepatitis C	851	3895	5897	7820	6878	7001	6925	7206	8602	8293	8659	6694	5248	4916	4365	4470
Hepatitis C: acute viral ^b	22	26	22	16	32	18	19	112	112	222	295	151	127	59	43	40
Hepatitis C: other ^b	829	3869	5875	7804	6846	6983	6906	7094	8490	8071	8364	6543	5121	4857	4322	4430
Hepatitis D ^b	0	8	12	19	19	9	11	3	14	12	11	9	12	14	15	15
Hepatitis E ^b	0	0	1	2	0	3	6	4	7	9	6	6	6	8	7	10
HIV/AIDS	HIV infection ^b															
HIV infection ^b	822	694	590	502	537	447	422	403	378	356	340	394	413	408	395	371
AIDS	441	433	483	555	483	376	214	181	133	134	102	117	148	100	109	84
Influenza	Influenza – Type A ^b															
Influenza – Type B ^b	Not notifiable until December 2000															
Influenza – Types A & B ^b	Not notifiable until December 2000															
Influenza – Type (NOS) ^b	Not notifiable until December 2000															
Legionellosis	37	104	66	60	75	74	33	46	41	41	68	44	60	80	89	77
<i>L. longbeachae</i> ^b	0	14	13	8	16	30	9	19	12	12	29	21	37	27	24	22
<i>L. pneumophila</i> ^b	16	80	34	30	35	34	18	22	22	26	38	22	23	51	64	54
Legionnaires' disease – other	21	10	19	22	24	10	6	5	7	3	1	1	0	2	1	1
Leprosy	1	7	5	3	3	2	0	0	1	2	4	0	2	5	1	1
Leptospirosis ^b	28	21	16	14	6	33	33	50	56	54	66	39	39	40	35	17
Listeriosis ^b	11	13	12	10	14	22	23	28	22	18	12	11	28	30	25	26
Lymphogranuloma venereum (LGV) ^b	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1
Malaria ^b	171	110	174	184	96	204	173	158	174	232	157	105	120	101	206	140
Measles	495	805	2348	1484	596	191	273	119	32	36	31	8	18	12	5	60
Measles lab confirm ^b	19	76	460	302	138	35	98	19	13	22	18	6	14	11	4	48
Measles (other)	476	729	1888	1182	458	156	175	100	19	14	13	2	4	1	1	12
Meningococcal disease	128	121	153	142	113	161	218	186	221	253	234	216	202	149	140	107
Meningococcal – Type B ^b	0	3	7	7	23	36	53	55	95	93	90	105	100	81	73	54
Meningococcal – Type C ^b	0	4	6	9	8	35	55	55	60	64	38	54	45	24	16	13
Meningococcal – Type W135 ^b	0	0	0	0	1	0	2	4	4	4	2	2	5	8	5	5
Meningococcal – Type Y ^b	0	0	1	1	0	1	0	7	1	7	2	2	5	3	3	1
Meningococcal disease – Other	128	114	139	125	81	89	108	65	61	85	102	53	50	36	40	34
Mumps ^b	8	23	13	11	14	27	29	39	33	92	28	29	35	65	111	154
Paratyphoid ^{bd}	20	8	9	11	12	15	5	9	5	14	11	13	22	10	0	0
Pertussis	49	217	1533	1405	1369	1156	4246	2309	1415	3691	4437	2012	2772	3567	5809	4918
Pneumococcal disease (invasive) ^b	Not notifiable until December 2000															
Psittacosis ^b	Not notifiable until December 2000															
Q fever ^b	167	213	403	267	201	287	258	236	164	132	144	309	288	223	143	175
Rubella ^b	60	324	1186	233	2376	636	153	78	46	191	58	35	24	18	10	37
Rubella (congenital) ^b	1	0	2	4	1	5	0	0	1	0	0	0	1	1	0	0
Rubella ^b	59	324	1184	229	2375	631	153	78	45	191	58	35	23	17	10	37
Salmonella infection ^{bd}	1170	802	980	1101	1366	1224	1698	1812	1438	1399	1644	2100	1839	2134	2176	2058
Shigellosis ^b	Not notifiable until December 2000															
Syphilis	580	873	730	965	833	662	512	611	585	580	547	646	843	1042	840	881
Syphilis infectious ^{bc}	1	3	6	29	132	72	57	45	86	80	67	128	245	302	242	210
Syphilis congenital	1	1	0	2	6	3	3	0	3	2	1	1	2	1	5	4
Syphilis other ^b	578	869	724	934	695	587	452	566	496	498	479	517	596	739	593	667
Tetanus	5	2	5	4	0	1	3	3	1	2	0	0	1	1	1	2
Tuberculosis ^b	429	394	389	394	443	410	422	382	483	448	416	447	386	430	449	461
Typhoid ^b																

Table 2. Disease notifications by month of onset of illness^a, NSW, 2006

Condition	Jan.	Feb.	Mar.	Apr.	May	Month of Onset						Total	
						Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
Anthrax	1	0	0	0	0	0	0	0	0	0	0	0	1
Adverse events after immunisation	7	9	13	10	8	5	0	4	4	2	2	1	65
Arboviral infection	255	291	412	267	159	90	89	62	60	85	90	60	1920
Barmah Forest virus ^b	50	68	110	88	79	48	51	34	23	40	36	17	644
Ross River virus ^b	198	219	299	174	79	37	28	25	34	40	50	42	1225
Other ^b	7	4	3	5	1	5	10	3	3	5	4	1	51
Blood lead level ≥15 µg/dL ^b	35	37	52	15	20	11	13	16	20	25	20	17	281
Brucellosis ^b	0	0	1	0	0	0	2	1	1	2	2	0	9
Chlamydia trachomatis infection ^b	1051	1020	1141	852	1084	965	916	988	930	958	1061	898	11864
Cholera ^b	0	0	0	0	0	0	0	0	0	0	3	0	3
Creutzfeldt-Jakob disease ^b	0	2	0	2	0	1	0	0	1	0	0	2	8
Cryptosporidiosis ^b	115	149	158	103	63	20	14	14	17	16	70	40	779
Gastroenteritis (institutional)	0	1	0	0	0	0	0	0	0	0	0	0	1
Giardiasis ^b	154	221	177	151	150	112	119	164	87	114	137	134	1720
Gonorrhoea ^b	176	167	158	138	154	142	127	127	119	138	128	122	1696
Haemolytic uraemic syndrome	3	1	0	0	0	0	0	0	0	0	4	3	11
<i>H. influenzae</i> type b	0	1	0	0	0	1	2	1	4	0	1	1	11
Hib epiglottitis ^b	0	0	0	0	0	0	0	0	0	0	0	1	1
Hib septicaemia ^b	0	1	0	0	0	0	1	1	2	0	1	0	6
Hib infection (NOS) ^b	0	0	0	0	0	1	1	0	2	0	0	0	4
Hepatitis A ^b	8	15	13	9	9	8	7	9	7	5	1	4	95
Hepatitis B	203	187	191	187	235	215	221	212	241	209	221	221	2543
Hepatitis B: acute viral ^b	6	7	3	7	2	6	3	0	3	3	10	4	54
Hepatitis B: other ^b	197	180	188	180	233	209	218	212	238	206	211	217	2489
Hepatitis C	376	402	416	277	359	358	364	375	413	354	396	380	4470
Hepatitis C: acute viral ^b	2	7	7	4	5	2	5	0	4	1	3	0	40
Hepatitis C: other ^b	374	395	409	273	354	356	359	375	409	353	393	380	4430
Hepatitis D ^b	1	1	1	2	3	1	2	2	0	1	1	0	15
Hepatitis E ^b	1	1	1	0	0	1	1	1	0	1	2	1	10
HIV/AIDS													
HIV infection ^b	26	40	38	24	27	19	29	31	26	36	47	28	371
AIDS	9	9	7	5	4	10	5	8	6	10	6	5	84
Influenza	11	9	13	13	19	25	114	205	116	45	29	17	616
Influenza – Type A ^b	8	7	7	8	10	11	71	153	82	32	25	6	420
Influenza – Type B ^b	2	0	2	3	6	13	37	45	28	6	1	7	150
Influenza – Types A & B ^b	1	0	4	2	3	1	6	7	3	6	1	3	37
Influenza – Type (NOS) ^b	0	2	0	0	0	0	0	0	3	1	2	1	9
Legionellosis	8	4	21	10	10	4	3	2	4	2	6	3	77
<i>L. longbeachae</i> ^b	1	2	5	4	2	2	1	1	2	0	1	1	22
<i>L. pneumophila</i> ^b	6	2	16	6	8	2	2	1	2	2	5	2	54
Legionnaires' disease – other	1	0	0	0	0	0	0	0	0	0	0	0	1
Leprosy	0	0	0	0	0	0	0	0	1	0	0	0	1
Leptospirosis ^b	3	2	3	2	3	0	0	0	1	1	1	1	17
Listeriosis ^b	2	1	6	3	1	1	0	2	5	1	2	2	26
Lymphogranuloma venereum (LGV) ^b	0	0	1	0	0	0	0	0	0	0	0	0	1
Malaria ^b	9	13	13	3	11	17	9	15	15	15	9	11	140
Measles	0	0	11	28	16	1	0	1	0	2	1	0	60
Measles lab confirm ^b	0	0	11	19	13	1	0	1	0	2	1	0	48
Measles (other)	0	0	0	9	3	0	0	0	0	0	0	0	12
Meningococcal disease	5	12	10	5	6	6	10	19	13	7	8	6	107
Meningococcal – Type B ^b	3	2	5	3	4	3	5	12	6	3	3	5	54
Meningococcal – Type C ^b	0	2	0	0	1	0	1	3	3	2	1	0	13
Meningococcal – Type W135 ^b	0	1	0	0	0	0	1	0	1	1	1	0	5
Meningococcal – Type Y ^b	0	0	0	0	1	0	0	0	0	0	0	0	1
Meningococcal disease – Other	2	7	5	2	0	3	3	4	3	1	3	1	34
Mumps ^b	13	4	2	10	17	24	31	19	14	6	7	7	154
Pertussis	359	362	419	338	420	455	700	740	730	228	81	86	4918
Pneumococcal disease (invasive) ^b	28	22	23	50	58	65	77	83	50	44	30	34	564
Psittacosis ^b	12	10	10	7	6	7	10	5	5	13	6	3	94
Q fever ^b	22	10	9	7	13	16	18	15	16	17	15	17	175
Rubella ^b	2	0	2	1	4	7	5	4	5	3	0	4	37
Salmonella infection ^{b,d}	256	256	245	175	142	99	97	93	115	201	200	179	2058
Shigellosis ^b	11	11	5	5	9	3	2	5	5	6	9	4	75
Syphilis	70	70	76	49	59	66	65	63	78	92	117	76	881
Syphilis infectious ^{b,c}	21	16	21	13	14	12	8	10	12	15	46	22	210
Syphilis congenital	0	1	1	1	0	1	0	0	0	0	0	0	4
Syphilis other ^b	49	53	54	35	45	53	57	53	66	77	71	54	667
Tetanus	0	0	0	0	0	0	0	0	0	1	0	1	2
Tuberculosis ^b	55	40	40	33	37	41	40	47	40	36	33	19	461
Typhoid ^b	2	4	2	2	1	4	4	1	4	2	4	5	35
Verotoxigenic <i>Escherichia coli</i> infection ^b	1	2	1	3	0	0	0	0	0	0	1	2	10

^aMonth of onset: the earlier of patient-reported onset date, specimen date or date of notification.

^bLaboratory-confirmed cases only.

^cIncludes Syphilis primary, Syphilis secondary, Syphilis <1 year duration and Syphilis newly acquired.

^dFrom 2005, all paratyphoid recorded as salmonellosis.

NOS: not otherwise specified.

Table 3. Disease notifications by Area Health Service of residence (2005 AHS boundaries), crude rates per 100000 population, NSW, 2006^a

Condition	Greater Southern ^e	Greater Western ^e			Hunter/New England ^e			North Coast ^e			Northern Syd/Central Coast ^e			South Eastern Syd/Illawarra ^e			Sydney South West ^e			Penrith/Parramatta			Justice Health ^f
	Albury	Goulburn	Broken Hill	Dubbo	Bathurst	Newcastle Tamworth	Pt Macquarie	Lismore	Gosford	Hornsby	Wollongong	Randwick	Campbelltown	Liverpool	Camperdown	Sydney	South West ^e	Parramatta	Penrith	Justice Health ^f			
Anthrax	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Adverse events after immunisation	3.0	4.9	0.0	0.0	1.7	0.9	1.1	0.7	1.3	0.5	0.3	0.9	0.0	0.0	0.1	3.4	0.7	0.0	0.0	0.0			
Arboviral infection	68.5	21.5	68.5	84.6	26.5	61.5	56.2	111.0	143.7	32.2	5.4	17.5	6.4	3.7	2.6	10.2	2.1	0.0	0.0	0.0			
Barmah Forest virus ^b	12.8	5.4	15.0	10.5	0.6	30.9	8.9	53.0	47.7	14.5	1.0	4.8	1.6	2.0	0.1	1.2	0.3	0.0	0.0	0.0			
Ross River virus ^b	55.3	15.2	53.5	74.2	25.9	30.2	47.3	57.3	93.5	17.4	3.1	12.5	3.2	1.6	1.9	8.3	1.4	0.0	0.0	0.0			
Other ^b	0.4	1.0	0.0	0.0	0.4	0.0	0.7	2.5	0.3	1.4	0.3	1.6	0.2	0.6	0.6	0.4	0.0	0.4	0.0	0.0			
Blood lead level ≥15 µg/dL ^b	2.6	2.4	8.6	57.1	6.3	6.6	1.7	0.4	1.4	1.3	1.5	2.9	4.7	3.7	5.1	3.7	0.7	0.0	0.0	0.0			
Brucellosis ^b	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	0.0	0.1	0.0	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0			
Chlamydia trachomatis infection ^b	174.2	134.5	167.1	191.1	184.4	257.8	206.5	122.6	200.9	158.7	134.4	154.3	266.6	243.5	86.8	104.3	118.3	937.5	937.5	937.5			
Cholera ^b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Creutzfeldt-Jakob disease ^b	0.0	0.5	0.0	0.0	0.2	0.6	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.0	0.0	0.0			
Cryptosporidiosis ^b	15.1	13.7	12.9	22.8	14.4	13.1	18.9	8.1	21.3	4.7	17.6	8.8	10.7	11.2	6.3	9.8	5.7	0.0	0.0	0.0			
Gastroenteritis (institutional)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Giardiasis ^b	20.3	18.6	2.1	31.4	8.1	27.4	28.4	10.5	5.0	23.7	44.1	19.4	34.2	26.3	13.9	27.1	26.3	0.0	0.0	0.0			
Gonorrhoea ^b	1.9	2.0	4.3	8.6	5.2	10.8	5.0	5.6	13.2	8.9	16.8	9.6	72.5	78.2	14.8	9.8	21.1	75.0	75.0				
Haemolytic uraemic syndrome	0.0	0.0	1.0	0.6	0.2	0.0	0.0	0.4	0.0	0.1	0.3	0.1	0.2	0.0	0.2	0.0	0.1	0.0	0.0	0.0			
H. influenzae type b	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.3	0.0	0.2	0.1	0.9	0.1	0.0	0.0	0.0			
Hib epiglottitis ^b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Hib septicaemia ^b	0.4	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0			
Hib infection (NOS) ^b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0	0.0			
Hepatitis A ^b	0.4	1.0	4.3	1.0	1.2	0.4	0.0	0.0	1.1	1.6	1.2	0.8	1.7	2.0	1.6	0.6	3.1	0.0	0.0	0.0			
Hepatitis B ^b	10.5	12.2	25.7	7.6	5.2	10.5	11.7	9.6	12.7	34.2	14.3	39.6	91.7	61.0	16.3	69.6	487.5	487.5	487.5	487.5			
Hepatitis B acute viral ^b	0.5	4.3	0.0	1.2	0.6	0.4	1.2	0.4	0.3	0.4	1.1	0.7	1.4	0.5	0.6	0.7	37.5	37.5	37.5	37.5			
Hepatitis B: other ^b	9.8	11.7	21.4	7.6	4.0	9.3	11.1	9.5	8.5	12.3	33.8	13.3	38.9	90.4	60.5	15.7	69.0	450.0	450.0	450.0			
Hepatitis C ^b	43.3	52.3	53.5	69.4	70.9	60.5	50.7	50.9	79.3	58.5	26.6	54.2	60.5	88.2	69.2	49.5	49.1	6363.0	6363.0	6363.0			
Hepatitis C: acute viral ^b	0.8	2.4	0.0	1.9	0.0	1.1	0.0	1.1	0.0	0.0	0.5	0.0	0.3	1.0	0.0	0.9	0.1	87.5	87.5	87.5			
Hepatitis C: other ^b	42.5	49.9	53.5	67.5	70.9	59.4	50.7	49.9	79.3	58.5	26.1	54.2	60.3	87.2	69.2	48.6	48.9	6275.0	6275.0	6275.0			
Hepatitis D ^b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.0	0.2	0.0			
Hepatitis E ^b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.0	0.1	0.0	0.0	0.0	0.4	0.0	0.5	0.0	0.0			
HIV/AIDS	1.1	0.0	0.0	0.0	0.0	0.0	2.5	1.7	1.8	0.0	0.0	4.2	1.3	0.0	16.5	18.3	3.4	3.8	0.0	0.0			
HIV infection ^b	0.0	0.5	0.0	0.0	0.0	0.4	1.1	1.1	1.1	1.6	0.6	0.0	2.2	0.4	0.9	1.3	0.0	0.0	0.0	0.0			
Influenza	8.7	6.8	2.9	7.5	6.5	31.2	6.3	22.1	1.9	4.2	5.1	14.5	4.7	4.5	4.0	15.9	12.5	12.5	12.5	12.5			
Influenza - Type A ^b	7.2	3.4	0.0	1.0	5.2	4.2	26.7	4.2	18.5	1.3	3.5	3.2	7.4	3.3	2.9	2.2	10.7	12.5	12.5	12.5			
Influenza - Type B ^b	1.5	2.4	0.0	1.9	1.7	2.3	2.8	0.7	3.2	0.3	0.4	1.6	4.5	0.8	1.7	0.6	5.2	0.0	0.0	0.0			
Influenza - Types A & B ^b	0.0	0.0	0.0	0.6	0.0	0.0	1.4	0.0	0.3	0.3	0.3	0.3	2.6	0.2	0.0	0.2	0.0	0.0	0.0	0.0			
Influenza - Type (NOS) ^b	0.0	1.0	0.0	0.0	0.0	0.0	1.7	0.0	0.4	0.0	0.1	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0			
Legionellosis	1.1	0.0	0.0	1.7	0.0	0.4	0.0	0.6	2.0	1.1	0.9	0.4	0.5	0.4	0.5	1.2	0.0	0.0	0.0	0.0			
L. longbeachae ^b	0.8	0.0	0.0	1.2	0.9	0.0	0.4	0.0	0.0	0.4	0.0	0.5	0.2	0.1	0.3	0.3	0.0	0.0	0.0	0.0			
L pneumophila ^b	0.4	0.0	0.0	0.6	0.9	0.0	0.0	0.0	0.6	1.1	1.1	1.4	2.6	1.4	1.4	0.6	4.2	0.0	0.0	0.0			
Legionnaires' disease - other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Leprosy	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.4	0.6	1.1	0.3	1.4	1.8	0.5	2.8	1.3	0.0	0.0	0.0	0.0			
Measles lab confirm ^b	0.4	0.0	0.0	0.6	0.2	0.0	0.4	0.6	0.0	0.3	1.1	0.3	0.0	0.0	0.0	0.0	0.6	1.3	0.0	0.0			
Listeriosis ^b	0.4	0.0	0.0	0.6	0.1	0.6	0.4	0.0	0.0	0.6	0.0	0.0	0.0	0.3	0.4	0.4	0.6	0.3	0.0	0.0			
Lymphogranuloma venereum (LGV) ^b	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Malaria ^b	1.5	1.5	0.0	0.0	1.2	2.5	2.8	0.7	3.9	0.6	2.4	1.1	1.4	1.8	0.5	2.8	1.3	0.0	0.0	0.0			
Measles	0.4	0.0	0.0	0.6	0.2	0.0	0.4	0.6	0.0	0.3	1.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Measles lab confirm ^b	0.4	0.0	0.0	0.6	0.2	0.0	0.4	0.6	0.0	0.3	1.1	0.3	0.0	0.0	0.0	0.0	0.6	1.3	0.0	0.0			
Measles (other)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
Meningococcal disease	0.8	0.0	0.0	2.9	0.0	0.5	0.7	0.0	1.0	0.7	1.0	0.6	1.3	0.4	1.6	1.0	0.3	1.0	0.0	0.0			
Meningococcal - Type B ^b	0.4	0.0	0.0	1.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0			
Meningococcal - Type C ^b	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			

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Table 3. continued

Condition	Greater Southern ^a			Greater Western ^a			Hunter/New England ^a			North Coast ^a			Northern Syd/Central Coast ^a			South Eastern Syd/Illawarra ^a			Sydney/South West ^a			Penrith/Parramatta			Justice Health ^f				
	Albury	Goulburn	Broken Hill	Dubbo	Bathurst	Newcastle/Tamworth	Pt Macquarie	Lismore	Gosford	Hornsby	Wollongong	Randwick	Campbelltown	Liverpool	Camperdown	Sydney	South West ^e	Sydney	South West ^e	Penrith	Parramatta	Justice	Health ^f						
Meningococcal – Type W:13:5 ^b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Meningococcal – Type Y ^b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Meningococcal disease – Other	0.4	0.0	0.0	0.0	0.0	0.0	0.7	0.6	0.4	0.4	0.3	0.5	1.1	0.4	0.5	0.0	0.5	0.6	0.3	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Mumps ^b	0.8	0.0	0.0	0.0	0.0	0.0	1.2	0.4	0.6	0.4	1.8	0.0	3.5	0.8	3.8	5.3	2.1	2.5	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pertussis	111.3	70.4	141.4	125.5	40.9	66.8	86.3	21.8	38.4	45.2	69.3	47.0	93.4	73.9	62.5	72.3	93.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Pneumococcal disease (invasive) ^b	8.3	11.3	8.6	9.5	15.0	13.6	4.5	7.4	8.2	8.9	6.3	6.4	6.9	7.1	7.4	8.0	8.5	8.5	8.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pitักษ ^b	2.3	1.5	2.1	0.0	5.2	4.7	0.0	1.1	2.9	0.6	0.3	1.6	0.4	0.4	0.4	0.4	0.8	0.8	0.8	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Q fever ^b	3.0	6.9	21.9	8.1	3.2	22.8	3.9	10.3	0.0	0.0	0.1	2.1	0.4	0.0	0.0	0.0	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Rubella ^b	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.4	0.3	0.4	0.0	0.0	0.0	0.0	1.5	1.6	0.7	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0		
Salmonella infection ^{b,d}	24.1	27.4	12.9	39.0	24.8	29.7	38.4	25.6	67.9	18.3	29.6	25.8	30.4	30.6	26.7	34.8	26.4	26.4	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Shigellosis ^b	0.4	0.0	2.1	1.9	0.6	0.4	0.6	1.4	3.2	0.0	0.9	0.3	2.8	2.7	0.4	0.3	0.5	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Syphilis	0.4	3.9	45.0	19.0	5.2	2.3	6.7	4.2	8.2	4.7	5.2	5.6	23.2	39.8	16.6	7.4	12.5	275.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Syphilis infectious ^{b,c}	0.0	0.0	0.0	0.0	1.2	0.7	0.6	0.0	1.1	0.0	1.4	0.3	12.3	12.4	0.6	0.9	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Syphilis congenital	0.0	0.0	0.0	1.0	0.0	0.0	0.6	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Syphilis other ^b	0.4	3.9	45.0	18.1	4.0	1.6	5.6	4.2	7.1	4.7	3.7	5.3	10.9	27.4	16.0	6.5	11.1	275.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Tetanus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Tuberculosis ^b	1.9	1.0	2.1	0.0	0.0	2.3	1.1	1.4	1.1	5.9	1.3	8.4	16.5	11.2	2.8	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
Typhoid ^b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Verotoxigenic <i>Escherichia coli</i> infection ^b	0.0	1.5	0.0	0.0	0.0	0.4	0.6	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

^aYear of onset: the earlier of patient-reported onset date, specimen date or date of notification.^bLaboratory-confirmed cases only.^cIncludes Syphilis primary, Syphilis secondary, Syphilis <1 year duration and Syphilis newly acquired.^dFrom 2005, all paratyphoid recorded as salmonellosis.^eAHS further divided into the geographical region covered by their component Public Health Unit.^fRate is based on a denominator of 8000 persons.

NOS: not otherwise specified.

^aYear of onset: the earlier of patient-reported onset date, specimen date or date of notification.^bLaboratory-confirmed cases only.^cIncludes Syphilis primary, Syphilis secondary, Syphilis <1 year duration and Syphilis newly acquired.^dFrom 2005, all paratyphoid recorded as salmonellosis.^eAHS further divided into the geographical region covered by their component Public Health Unit.^fRate is based on a denominator of 8000 persons.

NOS: not otherwise specified.

Table 4. Disease notifications by Area Health Service of residence (2005 AHS boundaries), NSW, 2006^a

Condition	Greater Southern ^e	Greater Western ^e	Hunter/New England ^e	Newcastle Tamworth	Pt Macquarie	Lismore	North Coast ^e	Sydney South West ^e	Sydney South West ^e	Justice Health	Total ^f
	Albury	Goulburn	Broken Hill	Dubbo	Bathurst						
Anthrax	1	0	0	0	0	0	0	0	0	0	1
Adverse events after immunisation	8	10	0	3	5	2	2	7	0	1	65
Arboviral infection	182	44	32	89	46	352	101	316	404	19	1920
Barmah Forest virus ^b	34	11	7	11	1	177	16	151	134	46	644
Ross River virus ^b	147	31	25	78	45	173	85	163	263	55	1225
Other ^b	1	2	0	0	0	2	0	2	7	1	51
Blood lead level ≥ 15 µg/dL ^b	7	5	4	60	11	38	3	1	4	12	281
Brucellosis ^b	0	0	0	0	2	0	0	1	0	1	0
Chlamydia trachomatis infection ^b	463	275	78	201	320	1475	371	349	565	502	1864
Cholera ^b	0	0	0	0	0	0	0	0	0	0	3
Creutzfeldt-Jakob disease ^b	0	1	0	0	0	1	1	0	0	0	8
Cryptosporidiosis ^b	40	28	6	24	25	75	34	23	60	15	779
Gastroenteritis (institutional)	0	0	0	0	0	0	0	0	0	0	0
Giardiasis ^b	54	38	1	33	14	157	51	30	14	75	202
Gonorrhoea ^b	5	4	2	9	9	62	9	16	37	28	1696
Haemolytic uraemic syndrome	1	0	0	0	0	1	0	0	1	1	11
<i>H. influenzae</i> type b	0	0	0	0	0	0	0	0	0	0	0
Hib epiglottitis ^b	1	0	0	0	0	1	0	0	1	0	6
Hib septicaemia ^b	0	0	0	0	0	0	0	0	0	1	4
Hib infection (NOS) ^b	0	0	0	1	1	0	0	1	1	1	11
Hepatitis A ^b	1	2	2	1	2	0	0	3	5	10	95
Hepatitis B	28	25	12	8	9	60	21	28	27	40	39
Hepatitis B acute viral ^b	2	1	2	0	2	7	1	1	3	4	54
Hepatitis B other ^b	26	24	10	8	7	53	20	27	24	39	2489
Hepatitis C	115	107	25	73	123	346	91	145	223	185	4470
Hepatitis C acute viral ^b	2	5	0	2	0	6	0	3	0	2	150
Hepatitis C other ^b	113	102	25	71	123	340	91	142	223	185	740
Hepatitis D ^b	0	0	0	0	0	0	0	1	0	1	37
Hepatitis E ^b	0	0	0	0	0	0	0	1	0	0	0
HIV/AIDS	3	0	0	0	0	14	3	5	0	34	154
HIV infection ^b	0	1	0	0	0	2	2	3	5	0	371
AIDS	23	14	0	3	13	37	56	18	62	34	84
Influenza	19	7	0	1	9	24	48	12	52	4	616
Influenza - Type A ^b	4	5	0	2	3	13	5	2	9	1	420
Influenza - Type B ^b	0	0	0	1	0	4	0	1	3	6	17
Influenza - Types A & B ^b	0	2	0	0	0	3	0	1	2	4	54
Influenza - Type (NOS) ^b	0	0	0	0	0	0	0	1	21	1	1
Legionellosis	3	0	0	0	3	10	0	1	0	0	1
<i>L. longbeachae</i> ^b	2	0	0	0	2	5	0	0	0	0	22
<i>L. pneumophila</i> ^b	1	0	0	0	1	5	0	0	0	1	54
Legionnaires disease - other	0	0	0	0	0	0	0	0	0	0	1
Leprosy	0	0	0	0	0	0	1	0	0	0	1
Leptospirosis ^b	0	0	0	1	0	4	7	2	2	0	17
Listeriosis ^b	1	0	0	0	1	6	1	1	0	0	12
Lymphogranuloma venereum (LGV) ^b	0	1	0	0	0	0	0	0	0	2	1
Malaria ^b	4	3	0	0	0	2	14	5	2	19	107
Measles	1	0	0	0	1	1	1	1	2	9	54
Measles lab confirm ^b	1	0	0	0	1	1	0	1	1	2	48
Measles (other)	0	0	0	0	0	0	0	0	0	7	12
Meningococcal disease	4	0	0	4	0	10	2	3	5	11	15
Meningococcal - Type B ^b	2	0	0	3	0	3	1	2	3	8	54
Meningococcal - Type C ^b	1	0	1	0	3	1	0	1	3	1	13

Table 4. continued

Condition	Greater Southern ^e			Greater Western ^e			Hunter/New England ^e			North Coast ^e			Northern Syd/Central Coast ^e			South Eastern Syd/Illawarra ^e			Sydney South West ^e			JHS			Total ^f	
	Albury	Goulburn	Bathurst	Broken Hill	Dubbo	Newcastle Tamworth	Pt Macquarie	Lismore	Gosford	Hornsby	Wellington	Randwick	Camperdown	Sydney	Penrith	Parramatta	Liverpool	Randwick	Campbelltown	Bankstown	Wollongong	South West	Total			
Meningococcal – Type W135 ^b	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	5		
Meningococcal – Type Y ^b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
Meningococcal disease – Other	1	0	0	0	0	0	4	1	1	1	4	1	1	9	2	4	2	2	1	34	1	34	1	34		
Mumps ^b	2	0	0	0	2	1	2	1	5	0	28	3	31	27	18	8	25	8	25	0	154	0	154	0		
Pertussis	296	144	66	132	71	382	155	62	108	143	560	177	761	377	525	255	718	0	4918	0	4918	0	4918	0		
Pneumococcal disease (invasive) ^b	22	23	4	10	26	78	8	21	23	28	56	36	62	26	65	26	65	0	564	0	564	0	564	0		
Pitักษ ^b	6	3	1	0	9	27	0	3	8	2	2	6	3	2	7	8	6	1	94	1	94	1	94	1		
Q fever ^b	8	14	1	23	14	18	41	11	29	0	1	8	3	0	2	1	1	1	0	175	1	175	1	175	1	
Rubella ^b	0	0	0	0	0	0	1	0	1	1	3	0	12	8	6	0	4	0	0	37	0	37	0	37	0	
Salmonella infection ^{b,d}	64	56	6	41	43	170	69	73	191	58	239	97	248	156	224	113	203	1	2058	1	2058	1	2058	1		
Shigellosis ^b	1	0	1	2	1	2	1	4	9	0	7	1	23	14	3	1	4	0	75	0	75	0	75	0		
Syphilis	1	8	21	20	9	13	12	12	23	15	42	21	189	203	139	24	96	22	881	22	881	22	881	22		
Syphilis infectious ^{b,c}	0	0	0	0	2	4	1	0	3	0	11	1	100	63	5	3	10	0	210	0	210	0	210	0		
Syphilis congenital	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	1	0	4	0	4	0	4	0		
Syphilis other ^b	1	8	21	19	7	9	10	12	20	15	30	20	89	140	134	21	85	22	667	22	667	22	667	22		
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	2			
Tuberculosis ^b	5	2	1	0	0	0	13	2	4	3	48	5	68	84	94	9	106	0	461	0	461	0	461	0		
Typhoid ^b	0	0	0	0	0	0	0	1	1	1	5	0	7	2	6	1	11	0	35	0	35	0	35	0		
Verotoxigenic <i>Escherichia coli</i> infection ^b	0	3	0	0	0	0	2	1	0	0	0	1	0	0	1	0	2	0	10	0	10	0	10	0		

^aYear of onset: the earlier of patient-reported onset date, specimen date or date of notification.^bLaboratory-confirmed cases only.^cIncludes Syphilis primary, Syphilis secondary, Syphilis <1 year duration and Syphilis newly acquired.^dFrom 2005, all paratyphoid recorded as salmonellosis.^eAHs further divided into the geographical region covered by their component Public Health Unit.^fIncludes cases with unknown PHU.

NOS: not otherwise specified.

Table 5. Disease notifications by age group and sex of the case, NSW, 2006^a

Condition	0–4 years		5–24 years		25–44 yrs		45–64 years		65+ years		Total F	Total M
	F	M	F	M	F	M	F	M	F	M		
Anthrax	0	0	0	0	0	0	0	1	0	0	0	1
Adverse events after immunisation	12	17	8	5	5	0	10	5	3	0	38	27
Arboviral infection	2	5	111	101	371	361	374	391	97	105	955	963
Barmah Forest virus ^b	1	2	54	32	141	110	131	112	30	31	357	287
Ross River virus ^b	1	3	54	61	223	243	231	270	65	72	574	649
Other ^b	0	0	3	8	7	8	12	9	2	2	24	27
Blood lead level ≥15 µg/dL ^b	6	6	1	37	4	140	2	72	1	11	14	266
Brucellosis ^b	0	0	1	1	0	2	0	4	0	1	1	8
Chlamydia trachomatis infection ^b	31	22	4563	2077	2101	2552	113	366	5	14	6814	5031
Cholera ^b	0	0	0	0	0	0	0	0	3	0	3	0
Creutzfeldt–Jakob disease ^b	0	0	0	0	0	0	2	0	2	4	4	8
Cryptosporidiosis ^b	144	190	98	102	139	57	20	11	12	2	413	362
Giardiasis ^b	193	263	138	179	298	282	148	109	63	44	840	877
Gonorrhoea ^b	2	0	109	340	99	930	16	189	1	5	227	1464
Haemolytic uraemic syndrome	3	2	1	3	1	0	1	0	0	0	6	5
H. influenzae type b	2	2	0	0	2	0	0	0	3	2	7	4
Hib epiglottitis ^b	0	0	0	0	0	0	0	0	0	1	0	1
Hib septicaemia ^b	0	2	0	0	1	0	0	0	2	1	3	3
Hib infection (NOS) ^b	2	0	0	0	1	0	0	0	1	0	4	0
Hepatitis A ^b	5	2	21	19	14	13	7	5	3	6	50	45
Hepatitis B	5	9	190	221	645	728	248	377	33	63	1121	1399
Hepatitis B: acute viral ^b	0	3	7	7	11	17	4	4	0	0	22	31
Hepatitis B: other ^b	5	6	183	214	634	711	244	373	33	63	1099	1368
Hepatitis C	7	10	254	313	925	1539	386	842	78	77	1650	2781
Hepatitis C: acute viral ^b	0	1	5	6	8	13	2	4	0	1	15	25
Hepatitis C: other ^b	7	9	249	307	917	1526	384	838	78	76	1635	2756
Hepatitis D ^b	0	0	1	2	3	5	1	3	0	0	5	10
Hepatitis E ^b	0	0	4	2	1	3	0	0	0	0	5	5
HIV/AIDS												
HIV infection ^b	1	1	9	23	30	214	7	80	0	4	47	322
AIDS	0	0	0	0	5	47	2	29	0	1	7	77
Influenza	67	63	64	73	65	50	67	49	61	57	324	292
Influenza – Type A ^b	46	46	36	46	44	35	47	43	44	33	217	203
Influenza – Type B ^b	18	15	23	26	13	10	11	5	12	17	77	73
Influenza – Types A & B ^b	1	1	5	1	6	5	7	1	5	5	24	13
Influenza – Type (NOS) ^b	2	1	0	0	2	0	2	0	0	2	6	3
Legionellosis	0	0	0	0	3	5	12	22	12	23	27	50
<i>L. longbeachae</i> ^b	0	0	0	0	1	1	6	3	3	8	10	12
<i>L. pneumophila</i> ^b	0	0	0	0	2	4	6	19	9	14	17	37
Legionnaires' disease – other	0	0	0	0	0	0	0	0	0	1	0	1
Leprosy	0	0	0	0	0	1	0	0	0	0	0	1
Leptospirosis ^b	0	0	1	2	2	7	0	4	0	1	3	14
Listeriosis ^b	0	1	0	0	3	0	2	0	7	13	12	14
Lymphogranuloma venereum (LGV) ^b	0	0	0	0	0	0	0	1	0	0	0	1
Malaria ^b	3	5	11	37	12	35	13	19	0	4	39	100
Measles	8	13	16	4	11	5	1	2	0	0	36	24
Measles lab confirm ^b	7	10	12	2	10	4	1	2	0	0	30	18
Measles (other)	1	3	4	2	1	1	0	0	0	0	6	6
Meningococcal disease	15	19	21	17	12	8	8	3	3	1	59	48
Meningococcal – Type B ^b	9	14	11	7	2	3	4	3	1	0	27	27
Meningococcal – Type C ^b	0	1	4	4	2	0	1	0	1	0	8	5
Meningococcal – Type W135 ^b	1	0	1	0	0	0	2	0	1	0	5	0
Meningococcal – Type Y ^b	0	0	0	1	0	0	0	0	0	0	0	1
Meningococcal disease – Other	5	4	5	5	8	5	1	0	0	1	19	15
Mumps ^b	0	2	23	28	37	43	12	7	2	0	74	80
Pertussis	82	104	325	266	915	517	1246	678	431	341	3000	1906
Pneumococcal disease (invasive) ^b	24	38	14	33	39	52	69	77	101	117	247	317
Psittacosis ^b	0	1	6	3	10	13	16	22	6	17	38	56
Q fever ^b	1	1	8	13	15	49	17	50	5	16	46	129
Rubella ^b	1	1	2	5	10	14	1	1	1	0	15	21
Salmonella infection ^{b,d}	272	278	271	308	195	203	163	151	132	78	1033	1019
Shigellosis ^b	5	5	8	9	11	21	6	5	1	4	31	44
Syphilis	1	3	22	34	128	305	44	170	52	119	247	631
Syphilis infectious ^{b,c}	0	0	3	17	14	131	2	39	0	3	19	190
Syphilis congenital	1	3	0	0	0	0	0	0	0	0	1	3
Syphilis other ^b	0	0	19	17	114	174	42	131	52	116	227	438
Tetanus	0	0	0	0	0	0	0	0	1	1	1	2
Tuberculosis	5	2	28	38	88	79	54	63	39	64	214	246
Typhoid ^b	4	1	4	6	6	11	1	1	0	1	15	20
Verotoxigenic <i>Escherichia coli</i> infection ^b	0	1	1	2	0	1	2	1	1	1	4	6

^aOnset: the earlier of patient-reported onset date, specimen date or date of notification.^bLaboratory-confirmed cases only.^cIncludes Syphilis primary, Syphilis secondary, Syphilis <1 year duration and Syphilis newly acquired.^dFrom 2005, all paratyphoid recorded as salmonellosis.^eIncludes cases with unknown age and sex and people who identify as transgender.

NOS: not otherwise specified. F: female. M: male.

Table 6. Disease notifications where the case had died at the time of public health follow-up, by year of onset of illness^a, NSW, 1991–2006

Condition	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Haemolytic uraemic syndrome	0	0	0	0	0	0	0	0	1	1	0	1	0	1	1	1
Hepatitis A ^b	2	1	0	0	0	0	1	2	0	0	0	1	0	0	0	0
<i>H. influenzae</i> type b	4	4	4	1	0	2	0	0	0	1	1	0	0	0	0	2
HIV/AIDS deaths ^c	350	337	393	432	365	280	134	76	74	87	62	67	64	58	38	36
Legionnaires' disease – <i>L. pneumophila</i> ^b	1	10	5	3	4	6	2	0	2	1	2	0	2	2	2	1
Measles	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Meningococcal disease – Type B ^b	0	0	1	1	3	0	4	2	7	6	2	8	6	4	4	4
Meningococcal disease – Type C ^b	0	0	1	1	0	2	2	10	4	4	5	10	6	1	2	1
Meningococcal disease – Type W135 ^b	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	1
Meningococcal disease – Type Y ^b	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	0
Meningococcal disease – Other	3	8	9	13	4	5	1	4	2	3	0	1	2	1	0	0
Meningococcal (total)	3	8	11	15	7	7	17	14	14	14	7	19	14	6	9	6
Pneumococcal disease (invasive) ^b	0	0	0	0	0	0	0	0	0	0	6	96	75	89	61	61
Tetanus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis ^b	10	26	31	25	23	16	21	25	29	40	33	39	22	28	22	27
Verotoxigenic <i>Escherichia coli</i> infections ^b	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0

^aYear of onset: the earlier of patient reported onset date, specimen date or date of notification.

^bLaboratory-confirmed cases only.

^cDeaths in people with HIV may be reported as related to AIDS or where the cause is apparently unrelated to their HIV infection. HIV/AIDS deaths are reported by date of death rather than onset of illness.