

YEAR IN REVIEW: COMMUNICABLE DISEASE SURVEILLANCE, 2004

In this issue we review the trends in reports of notifiable diseases among NSW residents received by the NSW public health units for 2004. 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, number of cases and rate per 100,000 population by area health service, and number of cases by age group and sex. Table 6 shows the number of people with notifiable conditions who were reported to have died by the time of follow-up by their local public health unit.

TRENDS

Among the 57,783 NSW residents with medical conditions notified by doctors, hospital staff, and laboratories for 2004, highlights included:

Conditions most frequently reported:

- gastroenteritis occurring in institutions (12,784 or 189 per 100,000 population)
- chlamydia (10,020 or 148 per 100,000 population, with, by geographical area, the highest crude rates in the South Eastern Sydney, Central Sydney and New England health service areas)
- hepatitis C (4,974 cases or 74 per 100,000 population, with the highest crude rates in Central Sydney, Mid North Coast, Northern Rivers and Far West health service areas)
- pertussis (3,540 cases or 52 per 100,000 population, with the highest crude rates in the Macquarie, Hunter and Wentworth health service areas)
- hepatitis B (2,835 cases or 42 per 100,000 population, with the highest crude rates in Central Sydney, South Western Sydney and Western Sydney health service areas)
- salmonella infections (2,132 cases or 32 per 100,000 population, with the highest crude rates in the Northern Rivers and New England health service areas).

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

- hepatitis C (4,974 cases, steadily declining from 8,691 in 2001)
- meningococcal disease (148 cases, steadily declining from 253 in 2000)
- rubella (18 cases, declining from 191 in 2000).

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

- chlamydia (10,020 cases, continuing its rise since it became notifiable in the late 1990s), possibly due to both better detection and a real increase in infections
- gastroenteritis occurring in institutions (12,784 cases, up from 3,583 in 2003), due in part to multiple outbreaks in aged care facilities
- pertussis (3,540 cases, up from 2,770 in 2003) across the State
- salmonellosis (2,132 cases, up from 1,838 in 2003), due in part to several outbreaks of different salmonella subspecies
- cryptosporidiosis (357, up from 202 in 2002), most likely due, in part, to transmission via contaminated swimming pools
- legionnaires' disease due to infection with *Legionella pneumophila* (51, up from 23 in 2003), partly the result of a cluster related to eastern Sydney²
- shigellosis (96 cases, up from 59 in 2003)
- syphilis (1,047 cases, up from 843 in 2003), due mostly to new infections among inner city men who have sex with men
- mumps (65 cases, up from 35 in 2003), mainly in Sydney.

Conditions least frequently reported

There were no reported cases of chancroid, congenital syphilis, diphtheria, donovanosis, granuloma inguinale, lymphogranuloma venereum, plague, polio, rabies, severe acute respiratory syndrome (SARS), tetanus, typhus, viral haemorrhagic fevers, or yellow fever in 2004.

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. Public health units routinely investigate all cases of some notifiable conditions (for example tuberculosis, measles, meningococcal disease) in order to implement control measures and are likely to identify associated deaths. However, there are other notifiable conditions (for example chlamydia and gonorrhoea) where no routine investigation takes place and for which deaths will not be identified. Conversely, some deaths of 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 (87)
- HIV infection (52), including 32 people who died from AIDS and 20 people with HIV infection who died of causes other than AIDS.

OUTBREAKS AND THREATS

Several notable disease outbreaks and threats were reported in 2004 in NSW. These included:

- 12 outbreaks of influenza in aged care facilities in September, associated with 34 deaths⁵
- two clusters of measles linked to overseas travel²
- several clusters of pertussis (whooping cough)²
- 44 outbreaks of food borne disease affecting 550 people
- 452 other gastroenteritis outbreaks (affecting 12,784 people: more than six times the number of outbreaks reported in 2003, when 71 were reported). These occurred largely in institutional settings and were most likely caused by person to person spread of norovirus
- several outbreaks of salmonellosis, including: *Salmonella* Typhimurium phage type 12 (linked to eating chicken prepared at home), *S. Birkenhead*⁶ (risk factor undetermined), *S. Typhimurium* PT 126 (linked to eating tiramisu prepared with contaminated raw egg)⁵, *S. Typhimurium* PT 135 (linked to a residential facility)⁴, and *S. Typhimurium* phage type 170/108 (in part linked to consumption of contaminated chicken)⁴
- a cluster of hepatitis A in a school, possibly linked to sharing a lolly jar³
- ongoing concerns regarding the emergence of H5N1 avian influenza in south east Asia leading to the deaths of millions of chickens and a small number of people who were exposed to infected fowl⁵
- the transient re-emergence of SARS, following the virus's escape from a laboratory in northern China in April.²

SO WHAT DOES IT ALL MEAN?

The data derived from notifiable diseases captures only a subset of infectious diseases that cause disease in people. Nonetheless, analysis of these data indicates that enteric viruses, blood borne viruses, sexually transmissible infections, pertussis, food borne infections and influenza remain important, preventable causes of disease in NSW. These diseases can be further reduced through implementation of a range of measures, including careful attention to hand washing (especially in people with diarrhoea and their carers, and people who handle food), routine immunization, practicing safe sex and the use of sterile injecting equipment.

THANK YOU

It is important to recognise that disease control and prevention

depends on effective surveillance of communicable diseases in the community. We acknowledge all those general and specialist medical practices, laboratories, hospitals, schools, childcare centres, and others, who have notified diseases of public health significance to their local public health units for investigation and control.

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TABLE 1

DISEASE NOTIFICATIONS BY YEAR OF ONSET OF ILLNESS^a, NSW, 1991 TO 2004

Conditions	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
AIDS	440	432	481	555	480	371	210	180	125	133	98	105	137	82	
Adverse event after immunisation	9	31	23	40	28	56	70	95	16	42	111	177	219	183	
Arbovirus infection: total*	409	343	656	381	539	1227	1804	783	1220	978	1191	661	1024	1147	
Barmah Forest virus infection*	6	6	25	39	271	172	185	134	249	195	402	394	451	403	
Ross River virus infection*	297	324	599	331	236	1031	1598	583	952	750	716	181	494	700	
Arboviral other*	106	13	32	11	32	24	23	66	19	33	73	86	79	44	
Blood lead level ≥ 15µg/dl*	not notifiable until December 1996						710	874	691	988	513	517	338	298	
Botulism	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
Brucellosis*	2	2	4	4	2	1	3	3	2	1	1	2	2	7	
Chancroid*	not notifiable until December 1998									1	0	0	0	0	
Chlamydia*	not notifiable until August 1998									2469	3504	4500	5824	7784	10020
Cholera*	1	0	1	0	1	3	1	1	2	0	1	1	0	1	
Creutzfeldt-Jakob Disease	not notifiable until April 2004														
Cryptosporidiosis*	not notifiable until December 1996						157	1130	121	133	195	306	202	357	
Food-borne illness (NOS)	2765	253	106	213	270	211	255	201	151	147	56	41	1071	550	
Gastroenteritis (institutional)	158	406	443	296	1359	554	939	738	673	697	775	1752	3583	12784	
Giardiasis*	not notifiable until August 1998									1091	978	967	863	1027	1232
Gonorrhoea*	392	491	382	357	428	522	636	1054	1291	1060	1364	1527	1330	1444	
<i>H. influenzae</i> type b: total*	212	217	124	61	29	13	17	11	13	8	7	10	6	5	
<i>H. influenzae</i> type b epiglottitis*	15	57	32	21	6	2	5	1	2	2	1	1	0	3	
<i>H. influenzae</i> type b meningitis*	48	103	53	17	11	4	3	3	3	1	1	1	0	0	
<i>H. influenzae</i> type b septicaemia*	11	26	24	12	8	3	1	4	6	4	2	3	1	2	
<i>H. influenzae</i> type b infection (NOS)*	138	31	15	11	4	4	8	3	2	1	3	5	5	0	
Hepatitis A*	1119	901	579	585	614	958	1426	927	421	201	197	149	124	137	
Hepatitis B: total*	1491	3169	3603	3983	4007	3508	3170	2958	3515	3977	4563	3549	2845	2835	
Hepatitis B: acute viral*	409	112	95	74	61	43	53	58	77	99	94	87	70	32	
Hepatitis B: other*	1082	3057	3508	3909	3946	3465	3117	2900	3438	3878	4469	3462	2775	2803	
Hepatitis C: total*	852	3895	5897	7823	6884	7003	6928	7213	8607	8298	8691	6702	5253	4974	
Hepatitis C: acute viral*	22	26	22	16	32	18	19	112	112	222	295	153	121	12	
Hepatitis C: other*	830	3869	5875	7807	6852	6985	6909	7101	8495	8076	8396	6549	5132	4962	
Hepatitis D*	0	8	12	19	19	9	11	3	14	12	11	9	12	14	
Hepatitis E*	0	0	1	2	0	3	6	4	7	9	6	6	6	8	
HIV infection*	823	696	56	501	533	447	421	402	373	352	338	389	415	404	
Haemolytic uraemic syndrome	not notifiable until December 1996														
Influenza: total*	not notifiable until December 2000										244	1012	861	1012	
Influenza: Type A*	not notifiable until December 2000										216	770	767	823	
Influenza: Type B*	not notifiable until December 2000										27	241	55	162	
Influenza; Type (NOS)*											1	1	39	27	
Legionnaires' disease: total*	37	104	66	60	75	74	33	46	41	41	68	44	60	79	
Legionnaires' disease: <i>L. longbeachae</i> *	0	14	13	8	16	30	9	19	12	12	29	21	37	27	
Legionnaires' disease: <i>L. pneumophila</i> *	16	80	34	30	35	34	18	22	22	26	38	22	23	51	
Legionnaires' disease: other*	21	10	19	22	24	10	6	5	7	3	1	1	0	1	
Leprosy	1	7	5	3	3	2	0	0	1	2	4	0	2	3	
Leptospirosis*	28	21	16	14	6	33	33	50	56	54	66	39	39	40	
Listeriosis*	11	13	12	10	14	22	23	28	22	18	12	11	28	30	
Malaria*	171	110	174	184	96	203	173	158	174	232	157	105	120	101	
Measles: total	496	805	2348	1484	596	191	273	119	32	36	31	8	18	12	
Measles: laboratory confirmed*	20	76	460	302	138	35	98	19	13	22	18	6	14	11	
Measles: other	476	729	1888	1182	458	156	175	100	19	14	13	2	4	1	
Meningococcal disease (invasive): total	128	121	153	142	113	161	219	186	221	253	234	216	202	148	
Meningococcal disease: type B*	0	3	7	7	23	36	54	55	95	93	90	105	100	81	
Meningococcal disease: type C*	0	4	6	9	8	35	55	55	60	64	38	54	45	24	
Meningococcal disease: type W135*	0	0	0	0	1	0	2	4	4	4	2	2	2	5	
Meningococcal disease: type Y*	0	0	1	1	0	1	0	7	1	7	2	2	5	3	
Meningococcal disease: other	128	114	139	125	81	89	108	65	61	85	102	53	50	35	
Mumps*	8	23	13	11	14	27	29	39	33	92	28	29	35	65	
Paratyphoid*	20	8	9	11	12	15	5	9	5	14	11	13	22	10	
Pertussis	49	217	1533	1405	1369	1156	4246	2309	1415	3687	4438	2012	2770	3540	
Pneumococcal disease: invasive*	not notifiable until December 2000											444	861	800	905
Psittacosis*	not notifiable until December 2000											38	155	87	80
Q fever*	167	213	403	267	201	287	258	236	164	131	143	309	287	222	
Rubella: total*	60	324	1186	233	2376	636	153	78	46	191	58	35	24	18	
Rubella*	59	324	1184	229	2375	631	153	78	45	191	58	35	23	17	
Rubella: congenital*	1	0	2	4	1	5	0	0	1	0	0	0	1	1	
Salmonellosis*	1170	802	980	1101	1366	1224	1698	1812	1438	1396	1643	2100	1838	2132	
Shigellosis*	not notifiable until December 2000											134	85	59	96
Syphilis: total	579	873	732	966	834	662	512	612	585	581	546	647	843	1047	
Syphilis: infectious**	1	3	6	29	132	72	57	45	87	81	67	128	245	301	
Syphilis: congenital	1	1	0	2	6	3	3	0	3	3	3	3	7	0	
Syphilis: other*	577	869	726	935	696	587	452	567	495	497	476	516	591	746	
Tetanus	5	2	5	4	0	1	3	3	1	2	0	0	1	0	
Tuberculosis*	429	394	389	394	443	410	422	382	484	448	416	447	386	426	
Typhoid*	38	20	28	25	27	30	28	18	32	28	32	26	16	39	
Verotoxigenic <i>Escherichia coli</i> infections*	not notifiable until December 1996														

year of onset = the earlier of patient reported onset date, specimen date or date of notification; * laboratory-confirmed cases only;

NOS = not otherwise specified; + includes syphilis primary, syphilis secondary, syphilis < 1 yr duration and syphilis-newly acquired

No case of the following diseases have been notified since 1991: diphtheria*, granuloma inguinale*, lymphogranuloma venereum*, plague*, poliomyelitis*, rabies, typhus*, viral haemorrhagic fever and yellow fever

TABLE 2

DISEASE NOTIFICATIONS BY MONTH OF ONSET OF ILLNESS#, NSW, 2004

Conditions	Month of Onset												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
AIDS	11	6	12	9	6	8	4	4	3	9	4	6	82
Adverse event after immunisation	9	20	30	11	24	13	12	15	12	13	14	10	183
Arbovirus infection: total*	71	111	181	216	180	80	41	35	49	46	76	61	1147
Barmah Forest virus infection*	28	32	38	55	45	38	21	17	29	29	37	34	403
Ross River virus infection*	38	76	138	158	131	41	14	15	16	14	33	26	700
Arboviral: other*	5	3	5	3	4	1	6	3	4	3	6	1	44
Blood lead level ≥ 15µg/dl*	29	34	18	23	30	21	32	23	36	9	27	16	298
Botulism	0	1	0	0	0	0	0	0	0	0	0	0	1
Brucellosis*	0	0	2	0	1	1	0	1	0	1	1	0	7
Chlamydia*	832	856	958	786	836	831	812	813	859	773	904	760	10020
Cholera*	0	0	0	0	0	0	0	1	0	0	0	0	1
Creutzfeldt-Jakob disease*	0	0	0	0	0	1	3	0	0	0	2	0	6
Cryptosporidiosis*	65	52	46	36	21	3	6	12	7	10	39	60	357
Giardiasis*	103	145	138	102	125	105	76	92	90	74	98	84	1232
Gonorrhoea*	140	134	154	114	115	133	116	123	107	101	115	92	1444
<i>H. influenzae</i> type b: total*	0	0	1	0	0	1	1	0	0	0	1	1	5
<i>H. influenzae</i> type b epiglottitis*	0	0	0	0	0	1	0	0	0	0	1	1	3
<i>H. influenzae</i> type b septicaemia*	0	0	1	0	0	0	1	0	0	0	0	0	2
Hepatitis A*	18	20	10	12	5	17	9	10	5	10	11	10	137
Hepatitis B: total*	244	217	232	218	215	227	260	258	250	250	247	217	2835
Hepatitis B: acute viral*	6	5	2	8	8	1	2	0	0	0	0	0	32
Hepatitis B: other*	238	212	230	210	207	226	258	258	250	250	247	217	2803
Hepatitis C: total*	449	416	452	363	408	420	413	456	400	420	451	326	4974
Hepatitis C: acute viral*	3	3	2	1	2	1	0	0	0	0	0	0	12
Hepatitis C: other*	446	413	450	362	406	419	413	456	400	420	451	326	4962
Hepatitis D*	1	1	2	0	0	2	1	1	3	1	1	1	14
Hepatitis E*	1	1	2	0	1	0	1	0	0	0	0	2	8
HIV infection*	38	37	40	28	29	38	26	23	34	36	40	35	404
Haemolytic uraemic syndrome	1	0	1	0	1	1	1	0	1	1	2	0	9
Influenza: total*	16	14	23	16	29	61	48	125	294	165	133	88	1012
Influenza: Type A*	6	9	13	10	17	41	42	110	240	142	116	77	823
Influenza: Type B*	8	5	10	5	10	14	6	14	43	19	17	11	162
Influenza: Type (NOS)*	2	0	0	1	2	6	0	1	11	4	0	0	27
Legionnaires' disease: total*	6	9	10	18	4	5	4	2	3	5	8	5	79
Legionnaires' disease: <i>L. longbeachae</i> *	3	4	2	3	2	2	2	1	2	2	3	1	27
Legionnaires' disease: <i>L. pneumophila</i> *	3	5	8	14	2	3	2	1	1	3	5	4	51
Legionnaires' disease: other*	0	0	0	1	0	0	0	0	0	0	0	0	1
Leprosy	0	0	1	0	0	1	0	1	0	0	0	0	3
Leptospirosis*	2	4	6	0	3	4	3	4	3	4	1	6	40
Listeriosis*	3	2	1	5	5	3	1	1	3	2	1	3	30
Malaria*	7	6	7	4	11	5	11	12	9	9	11	9	101
Measles: total	1	0	5	0	1	0	1	0	0	0	2	2	12
Measles: laboratory confirmed*	1	0	5	0	1	0	1	0	0	0	2	1	11
Measles: other	0	0	0	0	0	0	0	0	0	0	0	1	1
Meningococcal disease (invasive): total	11	9	11	13	16	17	18	9	12	18	9	5	148
Meningococcal disease: type B*	6	5	6	7	7	11	9	4	7	9	6	4	81
Meningococcal disease: type C*	2	2	1	2	4	2	3	2	3	3	0	0	24
Meningococcal disease: type W135*	0	0	0	1	0	1	1	0	1	1	0	0	5
Meningococcal disease: type Y*	0	0	0	1	0	1	1	0	0	0	0	0	3
Meningococcal disease: other	3	2	4	2	5	2	4	3	1	5	3	1	35
Mumps*	4	8	3	6	1	7	5	5	3	7	8	8	65
Paratyphoid*	5	1	0	1	1	2	0	0	0	0	0	0	10
Pertussis	206	179	167	203	212	260	295	357	553	407	380	321	3540
Pneumococcal disease: invasive*	32	31	47	48	97	111	127	133	114	62	61	42	905
Psittacosis*	6	4	5	4	11	3	7	8	11	6	4	11	80
Q fever*	17	17	20	19	20	16	15	25	16	17	21	19	222
Rubella: total*	2	1	3	2	3	1	1	2	1	0	1	1	18
Rubella*	2	1	2	2	3	1	1	2	1	0	1	1	17
Rubella: congenital*	0	0	1	0	0	0	0	0	0	0	0	0	1
Salmonellosis*	243	285	259	248	187	96	99	78	89	119	185	244	2132
Shigellosis*	12	8	9	6	7	7	10	4	5	19	3	6	96
Syphilis: total	103	93	108	74	68	77	103	90	104	72	80	75	1047
Syphilis: infectious**	29	19	27	20	19	25	25	24	37	29	26	21	301
Syphilis: other*	74	74	81	54	49	52	78	66	67	43	54	54	746
Tuberculosis*	43	40	39	32	38	30	31	45	32	32	29	35	426
Typhoid*	5	8	1	1	4	2	3	1	0	6	3	5	39
Verotoxigenic <i>Escherichia coli</i> infections*	1	0	1	0	0	0	0	0	0	0	1	0	3

onset = the earlier of patient reported onset date, specimen date or date of notification

* laboratory-confirmed cases only NOS = not otherwise specified

+ includes syphilis primary, syphilis secondary, syphilis < 1 yr duration and syphilis—newly acquired

TABLE 3

DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE (2005 AHS BOUNDARIES), CRUDE RATES PER 100,000 POPULATION, NSW, 2004#

Conditions	Greater Southern		Greater Western			Hunter/ New England		North Coast	
	GMA	SA	FWA	MAC	MWA	HUN	NEA	MNC	NRA
AIDS	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	1.5
Adverse event after immunisation	14.7	13.9	0.0	4.7	6.3	1.6	0.6	2.5	1.1
Arbovirus infection: total*	18.5	15.4	58.2	26.5	11.5	21.0	60.4	130.4	101.6
Barmah Forest virus infection*	5.7	3.5	6.2	1.9	0.0	5.3	7.8	70.9	43.3
Ross River virus infection*	12.4	8.0	49.9	24.6	10.4	15.0	50.4	59.1	57.2
Arboviral: other*	0.4	4.0	2.1	0.0	1.2	0.7	2.2	0.4	1.1
Blood lead level ≥ 15µg/dl*	0.4	1.5	58.2	18.9	2.9	10.6	2.8	2.2	5.1
Botulism	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.0	0.0
Brucellosis*	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Chlamydia*	135.6	98.1	193.2	132.5	150.9	172.2	199.5	136.5	157.7
Cholera*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Creutzfeldt-Jakob disease*	0.4	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
Cryptosporidiosis*	10.2	2.5	2.1	24.6	8.1	3.7	8.9	12.2	6.6
Giardiasis*	8.7	13.0	20.8	21.8	26.5	14.1	29.4	10.1	1.5
Gonorrhoea*	2.6	3.5	12.5	8.5	7.5	7.6	10.0	10.1	16.4
H.influenzae type b: total*	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
H.influenzae type b epiglottitis*	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
H.influenzae type b septicaemia*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis A*	0.0	0.5	2.1	0.9	1.2	0.0	3.3	2.5	1.8
Hepatitis B: total*	8.3	7.0	41.5	16.1	8.6	9.5	12.2	6.8	7.6
Hepatitis B: acute viral*	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.4	0.4
Hepatitis B: other*	8.3	7.0	41.5	16.1	8.6	8.8	12.2	6.5	7.3
Hepatitis C: total*	41.4	57.8	85.2	83.3	74.9	57.2	40.4	90.0	87.8
Hepatitis C: acute viral*	0.0	2.0	0.0	0.0	0.0	0.2	0.6	0.0	0.0
Hepatitis C: other*	41.4	55.8	85.2	83.3	74.9	57.0	39.9	90.0	87.8
Hepatitis D*	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.7
Hepatitis E*	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
HIV infection*	1.5	0.0	2.1	0.9	1.2	2.3	2.2	1.1	2.2
Haemolytic uraemic syndrome	0.4	0.5	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Influenza: total*	3.0	5.0	0.0	19.9	5.2	12.2	1.1	3.6	11.3
Influenza: type A*	2.6	4.5	0.0	18.9	5.2	8.7	1.1	2.9	9.5
Influenza: type B*	0.4	0.5	0.0	0.9	0.0	3.5	0.0	0.7	1.8
Influenza: : NOS*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Legionnaires' disease: total*	0.4	0.5	0.0	0.0	3.5	0.2	0.6	0.4	0.0
Legionnaires' disease: <i>L.longbeachae</i> *	0.0	0.5	0.0	0.0	1.7	0.0	0.6	0.4	0.0
Legionnaires' disease: <i>L.pneumophila</i> *	0.4	0.0	0.0	0.0	1.7	0.2	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
Leprosy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptospirosis*	0.0	0.5	0.0	0.9	1.2	1.1	6.6	1.4	3.3
Listeriosis*	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.7
Malaria*	3.4	0.5	0.0	0.0	0.0	1.6	0.0	0.4	0.7
Measles: total	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.4
Measles Lab Confirm*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Measles: other	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease (invasive): total	1.5	2.0	4.2	2.8	1.7	3.7	1.1	0.7	1.8
Meningococcal disease: type B*	0.8	0.0	0.0	0.9	1.7	3.2	0.6	0.4	1.5
Meningococcal disease: type C*	0.8	2.0	0.0	0.0	0.0	0.4	0.6	0.0	0.0
Meningococcal disease: type W135*	0.0	0.0	2.1	0.0	0.0	0.2	0.0	0.0	0.0
Meningococcal disease: type Y*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Meningococcal disease: other	0.0	0.0	2.1	1.9	0.0	0.0	0.0	0.4	0.0
Mumps*	0.4	0.0	0.0	2.8	0.0	0.5	0.0	0.0	0.0
Paratyphoid*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pertussis	46.7	42.8	16.6	216.8	42.1	74.7	32.1	32.1	41.5
Pneumococcal disease: invasive*	10.5	12.0	16.6	10.4	12.1	19.4	5.0	13.0	8.4
Psittacosis*	3.0	0.5	0.0	0.9	2.3	4.1	5.5	1.4	1.8
Q fever*	1.9	4.0	22.9	61.5	3.5	2.1	29.9	7.6	8.4
Rubella: total*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Rubella*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Rubella: congenital*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salmonellosis*	27.9	19.9	35.3	31.2	23.6	23.0	56.5	37.8	71.4
Shigellosis*	0.8	0.0	6.2	0.0	1.7	0.4	5.0	1.1	3.3
Syphilis: total	3.4	2.0	45.7	6.6	7.5	3.0	7.2	2.5	8.0
Syphilis: infectious**	2.3	0.0	2.1	0.0	0.6	1.6	1.7	0.0	3.3
Syphilis: other*	1.1	2.0	43.6	6.6	6.9	1.4	5.5	2.5	4.7
Tuberculosis*	0.8	1.5	4.2	0.9	0.6	2.1	0.0	2.2	0.7
Typhoid*	0.0	0.0	2.1	0.0	0.0	0.0	0.6	0.0	0.0
Verotoxigenic <i>Escherichia coli</i> infections*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

year of onset =the earlier of patient reported onset date, specimen date or date of notification

* laboratory-confirmed cases only NOS = not otherwise specified

+ includes syphilis primary, syphilis secondary, syphilis < 1 yr duration and syphilis-newly acquired

Area health service population estimates 2004:

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MWA = Mid Western Area (168 363) NEA = New England Area (172 560) NRA = Northern Rivers Area (273 731) NSA = North Sydney Area (788 117)

SA = Southern Area (188 744) SES= South Eastern Sydney (785 045) SWS = South Western Sydney (823 429) WEN = Wentworth Area (327 059)

WSA = Western Sydney Area (711 165) TOTAL = Total population in NSW (6 634 507)

TABLE 3 continued

DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE (2005 AHS BOUNDARIES), CRUDE RATES PER 100,000 POPULATION, NSW, 2004[#]

Conditions	Northern Sydney/ Central Coast		South Eastern Syd/ Illawarra		Sydney South West		Sydney West		TOTAL ^(a)
	CCA	NSA	ILL	SES	CSA	SWS	WEN	WSA	
AIDS	0.7	0.2	1.1	3.3	3.4	0.7	0.6	0.9	1.2
Adverse event after immunisation	4.2	1.0	0.5	2.4	1.4	1.5	1.9	1.8	2.7
Arbovirus infection: total*	8.1	3.0	5.4	1.9	0.8	0.8	4.3	1.4	17.0
Barmah Forest virus infection*	1.3	0.4	1.6	0.1	0.2	0.0	0.3	0.0	6.0
Ross River virus infection*	6.8	1.9	3.8	1.1	0.6	0.6	3.4	0.9	10.4
Arboviral: other*	0.0	0.7	0.0	0.6	0.0	0.2	0.6	0.4	0.7
Blood lead level ≥ 15µg/dl**	2.9	1.6	5.2	0.9	2.6	5.6	2.8	5.4	4.4
Botulism	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brucellosis*	0.0	0.0	0.0	0.1	0.4	0.1	0.0	0.1	0.1
Chlamydia*	116.6	137.1	102.1	236.1	220.7	86.9	94.3	107.3	148.4
Cholera*	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Creutzfeldt-Jakob disease*	0.0	0.2	0.0	0.0	0.0	0.0	0.6	0.0	0.1
Cryptosporidiosis*	1.3	2.6	2.4	7.0	5.0	3.5	5.9	4.1	5.3
Giardiasis*	17.3	27.4	12.2	25.9	18.2	10.3	21.6	22.2	18.2
Gonorrhoea*	4.9	12.3	10.3	73.0	69.5	8.7	6.5	9.5	21.4
<i>H.influenzae</i> type b: total*	0.0	0.0	0.0	0.1	0.0	0.0	0.6	0.0	0.1
<i>H.influenzae</i> type b epiglottitis*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
<i>H.influenzae</i> type b septicaemia*	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0
Hepatitis A*	2.3	2.2	0.8	1.4	4.2	3.2	0.3	3.7	2.0
Hepatitis B: total*	13.4	40.8	7.1	49.6	103.1	88.5	15.1	66.7	42.0
Hepatitis B: acute viral*	0.0	0.2	0.8	0.9	0.6	1.1	0.0	0.0	0.5
Hepatitis B: other*	13.4	40.5	6.2	48.7	102.5	87.4	15.1	66.7	41.5
Hepatitis C: total*	74.3	30.3	61.4	72.1	92.3	81.2	55.3	54.2	73.7
Hepatitis C: acute viral*	0.0	0.1	0.5	0.0	0.0	0.0	0.0	0.0	0.2
Hepatitis C: other*	74.3	30.2	60.8	72.1	92.3	81.2	55.3	54.2	73.5
Hepatitis D*	0.0	0.0	0.3	0.1	0.0	0.5	0.0	0.5	0.2
Hepatitis E*	0.0	0.0	0.0	0.5	0.2	0.1	0.3	0.0	0.1
HIV infection*	3.3	3.1	3.5	17.1	20.2	2.8	1.5	3.7	6.0
Haemolytic uraemic syndrome	0.3	0.1	0.3	0.0	0.0	0.2	0.3	0.0	0.1
Influenza: total*	2.6	14.3	4.1	39.8	16.0	16.0	5.3	21.9	15.0
Influenza: type A*	2.3	12.8	3.8	31.3	8.6	13.7	4.6	19.2	12.2
Influenza: type B*	0.3	1.0	0.0	8.4	3.2	2.3	0.3	2.7	2.4
Influenza: : NOS*	0.0	0.5	0.3	0.0	4.2	0.0	0.3	0.0	0.4
Legionnaires' disease: total*	1.3	1.0	4.9	2.3	0.6	0.6	0.9	1.1	1.2
Legionnaires' disease: <i>L.longbeachae</i> *	0.7	0.1	2.4	0.4	0.0	0.1	0.3	0.4	0.4
Legionnaires' disease: <i>L.pneumophila</i> *	0.7	0.9	2.4	1.8	0.6	0.5	0.6	0.7	0.8
Legionnaires' disease: other*	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Leprosy	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.1	0.0
Leptospirosis*	0.0	0.1	0.3	0.1	0.0	0.1	0.0	0.0	0.6
Listeriosis*	0.3	0.9	0.0	1.5	0.4	0.2	0.9	0.0	0.4
Malaria*	0.7	1.5	0.5	1.9	1.0	1.8	1.2	2.7	1.5
Measles: total	0.0	0.0	0.0	0.6	0.2	0.1	0.3	0.3	0.2
Measles Lab Confirm*	0.0	0.0	0.0	0.6	0.2	0.1	0.3	0.3	0.2
Measles: other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease (invasive): total	1.0	2.4	3.3	2.9	3.0	1.7	1.9	1.4	2.2
Meningococcal disease: type B*	1.0	0.7	1.6	1.3	2.0	0.8	1.2	0.7	1.2
Meningococcal disease: type C*	0.0	0.7	0.5	0.4	0.2	0.2	0.3	0.0	0.4
Meningococcal disease: type W135*	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.1
Meningococcal disease: type Y*	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.0	0.0
Meningococcal disease: other	0.0	0.7	1.1	1.0	0.8	0.5	0.0	0.7	0.5
Mumps*	1.0	1.9	1.6	1.5	1.6	0.7	0.3	0.8	1.0
Paratyphoid*	0.0	0.1	0.0	0.3	0.0	0.4	0.0	0.4	0.1
Pertussis	37.1	43.7	39.1	66.6	55.3	37.1	70.5	52.2	52.4
Pneumococcal disease: invasive*	16.3	12.0	12.8	14.6	14.8	10.9	15.8	14.6	13.4
Psittacosis*	0.0	0.2	1.6	0.4	0.2	0.4	2.2	0.3	1.2
Q fever*	0.7	0.2	1.9	0.1	0.0	0.4	0.0	0.3	3.3
Rubella: total*	0.3	0.5	0.8	0.5	0.8	0.0	0.0	0.1	0.3
Rubella*	0.3	0.5	0.8	0.5	0.6	0.0	0.0	0.1	0.3
Rubella: congenital*	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Salmonellosis*	29.3	30.8	16.3	31.0	29.4	28.1	37.7	31.8	31.6
Shigellosis*	1.0	1.5	0.0	1.4	2.2	0.7	0.0	3.0	1.4
Syphilis: total	7.2	11.8	4.3	30.8	39.8	29.6	4.6	11.5	15.5
Syphilis: infectious**	0.3	0.5	1.1	20.0	15.4	0.8	0.0	2.6	4.5
Syphilis: other*	6.8	11.3	3.3	10.8	24.4	28.7	4.6	8.9	11.0
Tuberculosis*	2.9	5.6	0.8	9.9	15.0	9.3	4.6	11.8	6.3
Typhoid*	0.0	0.2	0.0	1.1	0.4	1.0	0.0	2.2	0.6
Verotoxigenic <i>Escherichia coli</i> infections*	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.0	0.0

year of onset = the earlier of patient reported onset date, specimen date or date of notification

* laboratory-confirmed cases only NOS = not otherwise specified

(a) = includes cases from Justice Health Service and with unknown public health unit

+ includes syphilis primary, syphilis secondary, syphilis < 1 yr duration and syphilis-newly acquired

Area health service population estimates 2004:

CCA = Central Coast Area (309 425) CSA = Central Sydney Area (503 030) FWA = Far West Area (47 656) GMA = Greater Murray Area (258 985)

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WSA = Western Sydney Area (711 165) TOTAL = Total population in NSW (6 634 507)

TABLE 4

NUMBER OF DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE (2005 AHS BOUNDARIES), NSW, 2004#

Conditions	Greater Southern		Greater Western			Hunter/ New England		North Coast	
	GMA	SA	FWA	MAC	MWA	HUN	NEA	MNC	NRA
AIDS	0	0	0	0	0	1	0	1	4
Adverse event after immunisation	39	28	0	5	11	9	1	7	3
Arbovirus infection: total*	49	31	28	28	20	119	109	362	279
Barmah Forest virus infection*	15	7	3	2	0	30	14	197	119
Ross River virus infection*	33	16	24	26	18	85	91	164	157
Arboviral: other*	1	8	1	0	2	4	4	1	3
Blood lead level ≥ 15µg/dl*	1	3	28	20	5	60	5	6	14
Botulism	0	0	0	1	0	0	0	0	0
Brucellosis*	1	0	0	0	0	0	0	1	0
Chlamydia*	360	197	93	140	262	975	360	379	433
Cholera*	0	0	0	0	0	0	0	0	0
Creutzfeldt-Jakob disease*	1	0	0	0	0	1	0	0	0
Cryptosporidiosis*	27	5	1	26	14	21	16	34	18
Giardiasis*	23	26	10	23	46	80	53	28	4
Gonorrhoea*	7	7	6	9	13	43	18	28	45
H.influenzae type b: total*	0	0	0	0	0	1	0	0	0
H.influenzae type b epiglottitis*	0	0	0	0	0	1	0	0	0
H.influenzae type b septicaemia*	0	0	0	0	0	0	0	0	0
Hepatitis A*	0	1	1	1	2	0	6	7	5
Hepatitis B: total*	22	14	20	17	15	54	22	19	21
Hepatitis B: acute viral*	0	0	0	0	0	4	0	1	1
Hepatitis B: other*	22	14	20	17	15	50	22	18	20
Hepatitis C: total*	110	116	41	88	130	324	73	250	241
Hepatitis C: acute viral*	0	4	0	0	0	1	1	0	0
Hepatitis C: other*	110	112	41	88	130	323	72	250	241
Hepatitis D*	0	0	0	0	1	0	0	0	2
Hepatitis E*	0	0	0	0	0	1	0	0	0
HIV infection*	4	0	1	1	2	13	4	3	6
Haemolytic uraemic syndrome	1	1	0	0	0	0	1	0	0
Influenza: total*	8	10	0	21	9	69	2	10	31
Influenza: type A*	7	9	0	20	9	49	2	8	26
Influenza: type B*	1	1	0	1	0	20	0	2	5
Influenza: : NOS*	0	0	0	0	0	0	0	0	0
Legionnaires' disease: total*	1	1	0	0	6	1	1	1	0
Legionnaires' disease: <i>L.longbeachae</i> *	0	1	0	0	3	0	1	1	0
Legionnaires' disease: <i>L.pneumophila</i> *	1	0	0	0	3	1	0	0	0
Legionnaires' disease: other*	0	0	0	0	0	0	0	0	0
Leprosy	0	0	0	0	0	0	0	0	0
Leptospirosis*	0	1	0	1	2	6	12	4	9
Listeriosis*	0	0	0	0	0	1	0	0	2
Malaria*	9	1	0	0	0	9	0	1	2
Measles: total	0	0	1	0	0	0	0	0	1
Measles Lab Confirm*	0	0	0	0	0	0	0	0	1
Measles: other	0	0	1	0	0	0	0	0	0
Meningococcal disease (invasive): total	4	4	2	3	3	21	2	2	5
Meningococcal disease: type B*	2	0	0	1	3	18	1	1	4
Meningococcal disease: type C*	2	4	0	0	0	2	1	0	0
Meningococcal disease: type W135*	0	0	1	0	0	1	0	0	0
Meningococcal disease: type Y*	0	0	0	0	0	0	0	0	1
Meningococcal disease: other	0	0	1	2	0	0	0	1	0
Mumps*	1	0	0	3	0	3	0	0	0
Paratyphoid*	0	0	0	0	0	0	0	0	0
Pertussis	124	86	8	229	73	423	58	89	114
Pneumococcal disease: invasive*	28	24	8	11	21	110	9	36	23
Psittacosis*	8	1	0	1	4	23	10	4	5
Q fever*	5	8	11	65	6	12	54	21	23
Rubella: total*	0	0	0	0	0	0	0	0	1
Rubella*	0	0	0	0	0	0	0	0	1
Rubella: congenital*	0	0	0	0	0	0	0	0	0
Salmonellosis*	74	40	17	33	41	130	102	105	196
Shigellosis*	2	0	3	0	3	2	9	3	9
Syphilis: total	9	4	22	7	13	17	13	7	22
Syphilis: infectious**	6	0	1	0	1	9	3	0	9
Syphilis: other*	3	4	21	7	12	8	10	7	13
Tuberculosis*	2	3	2	1	1	12	0	6	2
Typhoid*	0	0	1	0	0	0	1	0	0
Verotoxigenic <i>Escherichia coli</i> infections*	0	0	0	0	0	0	0	0	0

year of onset =the earlier of patient reported onset date, specimen date or date of notification

* laboratory-confirmed cases only NOS = not otherwise specified

+ includes syphilis primary, syphilis secondary, syphilis < 1 yr duration and syphilis-newly acquired

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CCA = Central Coast Area (309 425) CSA = Central Sydney Area (503 030) FWA = Far West Area (47 656) GMA = Greater Murray Area (258 985)

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MWA = Mid Western Area (168 363) NEA = New England Area (172 560) NRA = Northern Rivers Area (273 731) NSA = North Sydney Area (788 117)

SA = Southern Area (188 744) SES= South Eastern Sydney (785 045) SWS = South Western Sydney (823 429) WEN = Wentworth Area (327 059)

WSA = Western Sydney Area (711 165) TOTAL = Total population in NSW (6 634 507)

TABLE 4 continued

NUMBER OF DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE (2005 AHS BOUNDARIES), NSW, 2004#

Conditions	Northern Sydney/ Central Coast		South Eastern Syd/ Illawarra		Sydney South West		Sydney West		TOTAL ^(a)
	CCA	NSA	ILL	SES	CSA	SWS	WEN	WSA	
AIDS	2	2	4	26	17	6	2	7	82
Adverse event after immunisation	13	8	2	19	7	12	6	13	183
Arbovirus infection: total*	25	24	20	15	4	7	14	10	1147
Barmah Forest virus infection*	4	3	6	1	1	0	1	0	403
Ross River virus infection*	21	15	14	9	3	5	11	7	700
Arboviral: other*	0	6	0	5	0	2	2	3	44
Blood lead level ≥ 15µg/dl*	9	13	19	7	13	46	9	40	298
Botulism	0	0	0	0	0	0	0	0	1
Brucellosis*	0	0	0	1	2	1	0	1	7
Chlamydia*	358	1099	376	1876	1102	717	305	794	10020
Cholera*	0	0	0	0	0	0	1	0	1
Creutzfeldt-Jakob disease*	0	2	0	0	0	0	2	0	6
Cryptosporidiosis*	4	21	9	56	25	29	19	30	357
Giardiasis*	53	220	45	206	91	85	70	164	1232
Gonorrhoea*	15	99	38	580	347	72	21	70	1444
<i>H.influenzae</i> type b: total*	0	0	0	1	0	0	2	0	5
<i>H.influenzae</i> type b epiglottitis*	0	0	0	1	0	0	0	0	3
<i>H.influenzae</i> type b septicaemia*	0	0	0	0	0	0	2	0	2
Hepatitis A*	7	18	3	11	21	26	1	27	137
Hepatitis B: total*	41	327	26	394	515	730	49	493	2835
Hepatitis B: acute viral*	0	2	3	7	3	9	0	0	32
Hepatitis B: other*	41	325	23	387	512	721	49	493	2803
Hepatitis C: total*	228	243	226	573	461	670	179	401	4974
Hepatitis C: acute viral*	0	1	2	0	0	0	0	0	12
Hepatitis C: other*	228	242	224	573	461	670	179	401	4962
Hepatitis D*	0	0	1	1	0	4	0	4	14
Hepatitis E*	0	0	0	4	1	1	1	0	8
HIV infection*	10	25	13	136	101	23	5	27	404
Haemolytic uraemic syndrome	1	1	1	0	0	2	1	0	9
Influenza: total*	8	115	15	316	80	132	17	162	1012
Influenza: type A*	7	103	14	249	43	113	15	142	823
Influenza: type B*	1	8	0	67	16	19	1	20	162
Influenza: : NOS*	0	4	1	0	21	0	1	0	27
Legionnaires' disease: total*	4	8	18	18	3	5	3	8	79
Legionnaires' disease: <i>L.longbeachae</i> *	2	1	9	3	0	1	1	3	27
Legionnaires' disease: <i>L.pneumophila</i> *	2	7	9	14	3	4	2	5	51
Legionnaires' disease: other*	0	0	0	1	0	0	0	0	1
Leprosy	0	0	0	0	1	1	0	1	3
Leptospirosis*	0	1	1	1	0	1	0	0	40
Listeriosis*	1	7	0	12	2	2	3	0	30
Malaria*	2	12	2	15	5	15	4	20	101
Measles: total	0	0	0	5	1	1	1	2	12
Measles Lab Confirm*	0	0	0	5	1	1	1	2	11
Measles: other	0	0	0	0	0	0	0	0	1
Meningococcal disease (invasive): total	3	19	12	23	15	14	6	10	148
Meningococcal disease: type B*	3	6	6	10	10	7	4	5	81
Meningococcal disease: type C*	0	6	2	3	1	2	1	0	24
Meningococcal disease: type W135*	0	1	0	2	0	0	0	0	5
Meningococcal disease: type Y*	0	0	0	0	0	1	1	0	3
Meningococcal disease: other	0	6	4	8	4	4	0	5	35
Mumps*	3	15	6	12	8	6	1	6	65
Paratyphoid*	0	1	0	2	0	3	0	3	10
Pertussis	114	350	144	529	276	306	228	386	3540
Pneumococcal disease: invasive*	50	96	47	116	74	90	51	108	905
Psittacosis*	0	2	6	3	1	3	7	2	80
Q fever*	2	2	7	1	0	3	0	2	222
Rubella: total*	1	4	3	4	4	0	0	1	18
Rubella*	1	4	3	4	3	0	0	1	17
Rubella: congenital*	0	0	0	0	1	0	0	0	1
Salmonellosis*	90	247	60	246	147	232	122	235	2132
Shigellosis*	3	12	0	11	11	6	0	22	96
Syphilis: total	22	95	16	245	199	244	15	85	1047
Syphilis: infectious**	1	4	4	159	77	7	0	19	301
Syphilis: other*	21	91	12	86	122	237	15	66	746
Tuberculosis*	9	45	3	79	75	77	15	87	426
Typhoid*	0	2	0	9	2	8	0	16	39
Verotoxigenic <i>Escherichia coli</i> infections*	0	0	0	2	0	0	1	1	3

year of onset = the earlier of patient reported onset date, specimen date or date of notification

* laboratory-confirmed cases only NOS = not otherwise specified

(a) = includes cases from Justice Health Service and with unknown public health unit

+ includes syphilis primary, syphilis secondary, syphilis < 1 yr duration and syphilis-newly acquired

Area health service population estimates 2004:

CCA = Central Coast Area (309 425) CSA = Central Sydney Area (503 030) FWA = Far West Area (47 656) GMA = Greater Murray Area (258 985)

HUN = Hunter Area (547 325) ILL = Illawarra Area (355 533) MAC = Macquarie Area (103 907) MNC = Mid North Coast Area (270 433)

MWA = Mid Western Area (168 363) NEA = New England Area (172 560) NRA = Northern Rivers Area (273 731) NSA = North Sydney Area (788 117)

SA = Southern Area (188 744) SES = South Eastern Sydney (785 045) SWS = South Western Sydney (823 429) WEN = Wentworth Area (327 059)

WSA = Western Sydney Area (711 165) TOTAL = Total population in NSW (6 634 507)

TABLE 5

DISEASE NOTIFICATIONS BY AGE GROUP AND SEX OF THE CASE, NSW, 2004#

Conditions	0–4 yrs		5–24 yrs		25–44 yrs		45–64 yrs		65 + yrs		Total (a)		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
AIDS	0	0	0	0	41	4	32	1	2	1	75	6	82 ^b
Adverse event after immunisation	38	35	36	43	2	13	4	7	4	1	84	99	183
Arbovirus infection: total*	4	3	56	53	210	240	248	197	70	63	588	556	1147 ^a
Barmah Forest virus infection*	1	1	23	16	62	71	96	69	33	28	215	185	403 ^a
Ross River virus infection*	3	2	26	33	137	158	147	124	36	34	349	351	700
Arboviral: other*	0	0	7	4	11	11	5	4	1	1	24	20	44
Blood lead level ≥ 15µg/dl*	44	17	27	2	108	5	82	7	6	0	267	31	298
Botulism	0	1	0	0	0	0	0	0	0	0	0	1	1
Brucellosis*	0	0	2	1	2	0	1	0	1	0	6	1	7
Chlamydia*	20	18	1715	3797	2222	1812	287	107	15	4	4260	5738	10020 ^a
Cholera*	0	0	0	0	0	0	1	0	0	0	1	0	1
Creutzfeldt-Jakob disease*	0	0	0	0	0	0	1	2	0	3	1	5	6
Cryptosporidiosis*	88	72	52	69	28	28	6	5	2	5	176	179	357 ^a
Giardiasis*	183	144	139	111	215	201	106	79	21	32	664	567	1232 ^a
Gonorrhoea*	2	0	294	74	831	81	138	8	12	0	1277	163	1444 ^a
<i>H.influenzae</i> type b: total*	1	0	1	0	0	1	0	1	1	0	3	2	5
<i>H.influenzae</i> type b epiglottitis*	0	0	1	0	0	0	0	1	1	0	2	1	3
<i>H.influenzae</i> type b septicaemia*	1	0	0	0	0	1	0	0	0	0	1	1	2
Hepatitis A*	4	3	29	16	23	21	17	6	7	11	80	57	137
Hepatitis B: total*	9	2	225	232	834	704	413	270	64	63	1546	1271	
Hepatitis B: acute viral*	0	0	6	4	16	4	2	0	0	0	24	8	32
Hepatitis B: other*	9	2	219	228	818	700	411	270	64	63	1522	1263	2803 ^{a,b}
Hepatitis C: total*	22	8	397	332	1833	1084	762	364	82	66	3099	1854	4974 ^a
Hepatitis C: acute viral*	0	0	1	2	3	4	2	0	0	0	6	6	12
Hepatitis C: other*	22	8	396	330	1830	1080	760	364	82	66	3093	1848	4962 ^a
Hepatitis D*	0	0	0	0	5	2	4	2	0	1	9	5	14
Hepatitis E*	0	0	0	1	4	0	0	2	0	1	4	4	8
HIV infection*	0	1	19	9	254	37	63	11	4	2	340	60	404 ^a
Haemolytic uraemic syndrome	1	3	0	0	0	0	1	1	0	3	2	7	9
Influenza: total*	77	67	62	81	124	167	89	128	98	116	450	560	1012 ^a
Influenza: type A*	71	57	52	74	107	129	62	101	81	86	373	448	823 ^a
Influenza: type B*	5	9	8	7	16	31	23	24	14	25	66	96	162
Influenza: : NOS*	1	1	2	0	1	7	4	3	3	5	11	16	27
Legionnaires' disease: total*	0	0	3	0	4	3	26	9	29	5	62	17	79
Legionnaires' disease: <i>L.longbeachae</i> *	0	0	1	0	0	1	6	2	14	3	21	6	27
Legionnaires' disease: <i>L.pneumophila</i> *	0	0	2	0	4	2	20	7	14	2	40	11	51
Legionnaires' disease: other*	0	0	0	0	0	0	0	0	1	0	1	0	1
Leprosy	0	0	0	0	0	0	0	1	0	2	0	3	3
Leptospirosis*	0	0	4	1	13	3	12	4	2	1	31	9	40
Listeriosis*	0	1	0	0	1	2	5	2	13	6	19	11	30
Malaria*	2	2	20	14	38	9	9	6	0	0	69	31	101 ^a
Measles: total	2	1	2	1	4	2	0	0	0	0	8	4	12
Measles Lab Confirm*	2	1	1	1	4	2	0	0	0	0	7	4	11
Measles: other	0	0	1	0	0	0	0	0	0	0	1	0	1
Meningococcal disease (invasive): total	27	23	24	23	11	7	12	16	2	3	76	72	148
Meningococcal disease: type B*	20	17	13	13	3	1	4	7	2	1	42	39	81
Meningococcal disease: type C*	1	0	5	2	4	3	5	3	0	1	15	9	24
Meningococcal disease: type W135*	0	0	1	0	0	0	1	3	0	0	2	3	5
Meningococcal disease: type Y*	0	0	1	0	0	0	1	0	0	1	2	1	3
Meningococcal disease: other	6	6	4	8	4	3	1	3	0	0	15	20	35
Mumps*	5	1	7	2	14	15	8	7	2	4	36	29	65
Paratyphoid*	0	2	4	0	1	3	0	0	0	0	5	5	10
Pertussis	131	111	424	513	389	575	384	633	164	214	1492	2046	3540 ^a
Pneumococcal disease: invasive*	160	108	36	22	62	62	117	61	140	135	515	388	905 ^a
Psittacosis*	0	0	2	4	13	13	18	17	9	4	42	38	80
Q fever*	2	0	25	8	67	22	64	19	10	4	168	53	222 ^a
Rubella: total*	4	1	3	5	3	2	0	0	0	0	10	8	18
Rubella*	3	1	3	5	3	2	0	0	0	0	9	8	17
Rubella: congenital*	1	0	0	0	0	0	0	0	0	0	1	0	1
Salmonellosis*	362	273	337	286	215	196	142	139	72	102	1128	996	2132 ^a
Shigellosis*	6	11	10	12	15	19	9	9	2	2	42	53	96 ^a
Syphilis: total	2	2	42	44	355	177	239	49	87	48	725	320	1047 ^a
Syphilis: infectious**	0	1	23	8	198	14	51	2	3	1	275	26	301
Syphilis other*	2	1	19	36	157	163	188	47	84	47	450	294	746 ^a
Tuberculosis*	3	3	31	34	79	98	38	35	61	42	212	212	426 ^a
Typhoid*	4	0	5	9	9	7	2	2	0	1	20	19	39
Verotoxigenic <i>Escherichia coli</i> infections*	0	0	0	1	1	0	0	0	0	1	1	2	3

onset =the earlier of patient reported onset date, specimen date or date of notification

* laboratory-confirmed cases only NOS = not otherwise specified

+ includes syphilis primary, syphilis secondary, syphilis < 1 yr duration and syphilis-newly acquired

a = includes cases with unknown age and sex

b = includes 1 transgender case with 25–44 age group

TABLE 6

REPORTED DEATHS OF RESIDENTS BY YEAR OF ONSET OF ILLNESS[#], NSW, 1991 TO 2004

Conditions	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	
Adverse event after immunisation	0	1	0	1	0	2	1	0	1	1	2	1	0	0	
Arbovirus infection: total*	2	1	0	0	0	0	0	0	0	0	1	0	0	0	
Ross River virus infections*	2	1	0	0	0	0	0	0	0	0	1	0	0	0	
Blood lead level ≥ 15µg/dl*	0	0	0	0	0	0	2	0	0	0	0	0	0	0	
Chlamydia trachomatis infections*		not notifiable until August 1998													
Cryptosporidiosis*		not notifiable until December 1996						0	0	0	0	0	0	0	0
Giardiasis*		not notifiable until August 1998								0	1	0	0	0	0
Gonorrhoea*	0	1	0	0	0	0	0	1	0	0	0	0	0	0	
<i>H.influenzae</i> type b: total*	4	4	4	1	0	2	0	0	0	1	1	0	0	0	
<i>H.influenzae</i> type b epiglottitis*	0	1	0	0	0	0	0	0	0	1	0	0	0	0	
<i>H.influenzae</i> type b infection (NOS)*	2	0	1	0	0	0	0	0	0	0	1	0	0	0	
<i>H.influenzae</i> type b meningitis*	2	3	3	0	0	0	0	0	0	0	0	0	0	0	
<i>H.influenzae</i> type b septicaemia*	0	0	0	1	0	2	0	0	0	0	0	0	0	0	
Hepatitis A*	2	1	0	0	0	0	1	2	0	0	0	1	0	0	
Hepatitis B: total*	4	5	6	1	1	1	1	1	1	1	4	1	2	0	
Hepatitis B: acute viral*	0	0	1	0	0	0	0	0	0	0	0	0	1	0	
Hepatitis B: other*	4	5	5	1	1	1	1	1	1	1	4	1	1	0	
Hepatitis C: total*	4	12	6	6	8	15	23	13	17	20	18	10	8	6	
Hepatitis C: acute viral*	0	1	0	0	0	0	0	0	0	0	2	0	0	0	
Hepatitis C: other*	4	11	6	6	8	15	23	13	17	20	16	10	8	6	
Hepatitis E*	0	0	0	0	0	0	0	0	0	0	1	0	0	0	
HIV infection: total [‡]	349	336	390	432	364	281	132	74	70	81	49	57	46	52	
AIDS	349	335	390	432	364	280	132	74	69	79	45	41	41	32	
Haemolytic uraemic syndrome		not notifiable until December 1996						0	0	1	1	0	1	0	1
Influenza: total*		not notifiable until December 2000										0	0	1	1
Influenza—Type A*	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Legionnaires' disease: total*	6	12	8	8	7	9	2	6	4	2	3	1	2	5	
Legionnaires' disease— <i>L. longbeachae</i> *	0	1	2	0	1	1	0	5	1	1	1	1	0	3	
Legionnaires' disease— <i>L. pneumophila</i> *	1	10	5	3	4	6	2	0	2	1	2	0	2	2	
Legionnaires' disease—other	5	1	1	5	2	2	0	1	1	0	0	0	0	0	
Leptospirosis*	0	0	0	0	0	0	1	0	0	0	0	1	0	0	
Listeriosis*	0	0	2	2	2	9	1	5	4	4	3	1	6	3	
Malaria*	0	1	0	0	0	0	0	0	0	0	0	0	0	0	
Measles: total	3	2	0	0	0	0	0	0	0	0	0	0	0	0	
Measles laboratory confirmed*	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
Measles: other	2	2	0	0	0	0	0	0	0	0	0	0	0	0	
Meningococcal disease (invasive): total	0	0	2	2	3	2	6	13	12	11	7	18	12	6	
Meningococcal disease—Type B*	0	0	1	1	3	0	4	2	7	6	2	8	6	4	
Meningococcal disease—Type C*	0	0	1	1	0	2	2	10	4	4	5	10	6	1	
Meningococcal disease—Type W135*	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
Meningococcal disease—Type Y*	0	0	0	0	0	0	0	1	0	1	0	0	0	0	
Meningococcal disease—other	3	8	9	13	4	5	1	4	2	3	0	1	2	1	
Pertussis	0	0	0	0	2	2	3	1	1	2	0	0	1	1	
Pneumococcal disease: invasive*		not notifiable until December 2000									0	6	96	68	87
Psittacosis*		not notifiable until December 2000									0	1	1	0	0
Q fever*	0	0	0	1	0	1	0	0	2	0	0	1	0	0	
Salmonella infection*	3	0	0	0	4	4	4	3	3	1	2	3	0	1	
Syphilis: total	0	0	0	1	1	0	1	0	1	2	1	1	1	0	
Syphilis infection**	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
Syphilis congenital	0	0	0	1	1	0	0	0	1	0	0	0	0	0	
Syphilis other*	0	0	0	0	0	0	1	0	1	1	1	0	1	0	
Tetanus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
Tuberculosis*	10	26	31	25	23	16	21	25	29	40	33	39	19	0	

year of onset =the earlier of patient reported onset date, specimen date or date of notification

* laboratory-confirmed cases only NOS = not otherwise specified

‡ deaths in people with HIV may be reported as related to AIDS or, where the cause is apparently unrelated, to their HIV infection

+ includes syphilis primary, syphilis secondary and syphilis < 1 yr duration