

While transmission of some vaccine preventable diseases has been limited in NSW, the challenge still remains to increase vaccination rates among adolescents and young adults to reduce their susceptibility to diseases such as mumps, measles and pertussis.

The increase in *Salmonella* infections serves as a timely reminder to all to ensure thorough cooking and safe handling of high-risk foods such as raw chicken and other meats, and undercooked, cracked or soiled eggs, while the Legionnaire disease outbreak highlights the importance of cooling tower maintenance.

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 public health units for investigation and control.

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2. NSW Department of Health Communicable Diseases Report, NSW, for January and February 2007. *N S W Public Health Bull* 2007; 18(3–4): 66–8.
3. NSW Department of Health Communicable Diseases Report, NSW, for March and April 2007. *N S W Public Health Bull* 2007; 18(5–6): 100–3.

Erratum. The following correction should be made in Table 5 of the 2005 Annual Report (*N S W Public Health Bull* 2006; 17(5–6): 74): the headings 'Male' and 'Female' should be interchanged on each column.

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YEAR IN REVIEW: COMMUNICABLE DISEASE SURVEILLANCE, 2005

In this issue, we review the trends in reports of notifiable diseases among NSW residents received by the NSW public health units in 2005. Tables 1–5 report specific diseases by: year of onset, month of onset, area health service, and age group and sex. To assist with characterising the disease epidemiology, figures for area health services have been further divided into the geographical region covered by their component public health unit offices. Table 6 shows the number of people with notifiable conditions who were reported to have died at the time of follow-up by their local public health unit.

TRENDS

Among the 49,338 NSW residents with medical conditions notified by doctors, hospital staff, and laboratories for 2005, highlights are described below.

Conditions most frequently reported

1. Chlamydia: 11,284 cases, or 166 per 100,000 population, with the highest crude rates in the South Eastern Sydney/Illawarra (Randwick region), Sydney South West (Camperdown region) and Hunter/New England (Newcastle region) health areas
2. Pertussis: 5,801 cases, or 85 per 100,000 population, with the highest crude rates in the Greater Western (Dubbo region), South Eastern Sydney/Illawarra (Randwick region) and Sydney South West (Camperdown region) health areas
3. Hepatitis C: 4,452 cases, or 65 per 100,000 population, with the highest crude rates in the Sydney South West and North Coast (Lismore region) health areas
4. Hepatitis B: 2,763 cases, or 41 per 100,000 population, with the highest crude rates in the Sydney South West and Sydney West (Parramatta region) health areas
5. Salmonella infections: 2,179 cases, or 32 per 100,000 population, with the highest crude rates in the North Coast (Lismore region), Sydney West (Parramatta region), and Sydney South West (Camperdown region) health areas.

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

1. Hepatitis C (4,452 cases, steadily declining from 8,682 in 2001), possibly as a result of declining unsafe injecting practices
2. Hepatitis B (2,763 cases, steadily declining from 4,560 cases in 2004), possibly as a result of increased immunisation coverage
3. Gastroenteritis in institutional settings, most likely due to norovirus infection (1,395 cases, a sharp decline from 12,784 in 2004 when a large community-wide outbreak occurred)
4. Q fever (142 cases, down from 309 in 2002), in part due to immunisation of high risk occupational groups
5. Meningococcal disease (141 cases, a steady decline, in both serogroups B and C, from 253 in 2000), in part a result of immunisation against meningococcal serogroup C infection
6. Hepatitis A (83 cases, the lowest number recorded since 1991)
7. Rubella (10 cases, declining from 191 in 2000), possibly as a result of increased immunisation coverage
8. Measles (five cases, the lowest number recorded since 1991), possibly as a result of increased immunisation coverage.

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

1. Chlamydia (11,284 cases), continuing its rise since it became notifiable in the late 1990s, possibly due to both better detection and a real increase in infections from unprotected sex
2. Pertussis (5,801 cases, up from 3,566 in 2004), most likely due to a state-wide outbreak largely among adults
3. Giardiasis (1,446 cases), a steady annual rise since 2002 and probably related to new laboratory testing practices
4. Influenza (1,414 cases), due for the most part to changes in laboratory reporting in early 2005
5. Cryptosporidiosis (849 cases, the highest number notified since 1998) due to two outbreaks, along with new laboratory testing practices
6. Malaria (204 cases, up from 101 in 2004), due to largely asymptomatic disease identified through screening of refugees from Africa
7. Shigellosis (135 cases), a steady rise in cases since 2003
8. Mumps (111 cases, up from 65 in 2004), mainly in young adults
9. Legionnaires' disease, due to infection with *Legionella pneumophila* (64 cases, up from 51 in 2004), partly the result of an outbreak in Wollongong early in the year

10. Verotoxigenic Escherichia coli infections (16 cases, up from 5 in 2004), probably related to changes in testing practices at one laboratory.

Conditions least frequently reported

There were no reported cases of chancroid, diphtheria, donovanosis, granuloma inguinale, lymphogranuloma venereum (LGV), plague, polio, rabies, severe acute respiratory syndrome (SARS), typhus, viral haemorrhagic fever or yellow fever in 2005.

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, and 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 in patients following notification may be due to conditions other than that notified. Deaths were most frequently reported for the following notifiable diseases:

1. Invasive pneumococcal disease (61 deaths)
2. HIV infection (36 deaths), including 19 people who died from AIDS, and 17 people with HIV infection who died of causes other than AIDS
3. Tuberculosis (21 deaths).

OUTBREAKS AND THREATS

Several notable disease outbreaks and threats were reported in 2005 in NSW. These included:

- an outbreak of Legionnaires' disease in Wollongong in February, thought to be related to contaminated cooling towers¹
- a state-wide outbreak of pertussis²
- an outbreak of cryptosporidiosis in May, related to swimming, and a second, possibly related to contact with calves, in late 2005^{3,4}
- an outbreak of enteroviral meningitis in the South Eastern Sydney/ Illawarra Health Area in February⁵
- two clusters of meningococcal disease, one associated with students residing on the same floor of a university residential college and the other linked to travel on a school bus.⁶

CONCLUSIONS

Some communicable diseases, notably chlamydia, pertussis and cryptosporidiosis, remain significant public health problems. However, much progress has been made with other diseases such as hepatitis B, hepatitis C, hepatitis A, measles, Q fever and meningococcal disease.

We thank 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,[#] NSW, 1991 TO 2005

Conditions	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
AIDS	441	433	483	555	483	375	214	181	132	134	102	114	145	100	91
Adverse event after immunisation	9	31	23	40	28	56	70	95	16	42	111	178	219	184	106
Arbovirus infection: total*	409	343	656	381	539	1227	1806	783	1220	980	1191	662	1024	1148	1093
Barmah Forest virus infection*	6	6	25	39	271	172	185	134	249	197	401	395	451	403	448
Ross River virus infection*	297	324	599	331	236	1031	1598	583	952	750	717	181	494	701	589
Arboviral other*	106	13	32	11	32	24	23	66	19	33	73	86	79	44	56
Blood lead level ≥ 15µg/dl*	not						710	874	691	986	513	516	338	303	232
Botulism	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
Brucellosis*	2	2	4	4	2	1	3	3	2	1	1	2	3	7	3
Chancroid*	not notifiable until December 1998														
Chlamydia*	not notifiable until August 1998														
Cholera*	1	0	1	0	1	3	1	1	2	0	1	1	0	1	0
Creutzfeldt-Jakob Disease	not notifiable until April 2004														
Cryptosporidiosis*	not notifiable until December 1996														
Food-borne illness (NOS)	2765	253	106	213	270	211	255	201	151	147	56	41	1071	550	309
Gastroenteritis (institutional)	158	406	443	296	1359	554	939	738	673	697	775	1752	3583	12784	1395
Giardiasis*	not notifiable until August 1998														
Gonorrhoea*	392	491	382	357	428	522	636	1054	1291	1060	1364	1527	1330	1445	1578
<i>H.influenzae</i> type b: total*	212	217	124	61	29	13	17	11	13	8	7	10	6	5	7
<i>H.influenzae</i> type b epiglottitis*	15	57	32	21	6	2	5	1	2	2	1	1	0	3	0
<i>H.influenzae</i> type b meningitis*	48	103	53	17	11	4	3	3	3	1	1	1	0	0	2
<i>H.influenzae</i> type b septicaemia*	11	26	24	12	8	3	1	4	6	4	2	3	1	2	4
<i>H.influenzae</i> type b infection (NOS)*	138	31	15	11	4	4	8	3	2	1	3	5	5	0	1
Hepatitis A*	1119	901	579	585	614	958	1426	927	421	201	197	149	124	137	83
Hepatitis B: total*	1492	3169	3603	3983	4006	3507	3169	2957	3514	3974	4560	3548	2845	2813	2763
Hepatitis B: newly acquired*	409	112	95	74	61	43	53	58	77	100	94	88	74	53	56
Hepatitis B: other*	1083	3057	3508	3909	3945	3464	3116	2899	3437	3874	4466	3460	2771	2760	2707
Hepatitis C: total*	852	3895	5897	7822	6882	7001	6928	7211	8605	8298	8682	6699	5252	4927	4452
Hepatitis C: newly acquired*	22	26	22	16	32	18	19	112	112	222	295	153	127	60	41
Hepatitis C: other*	830	3869	5875	7806	6850	6983	6909	7099	8493	8076	8387	6546	5125	4867	4411
Hepatitis D*	0	8	12	19	19	9	11	3	14	12	11	9	12	14	15
Hepatitis E*	0	0	1	2	0	3	6	4	7	9	6	6	6	8	7
HIV infection*	822	693	589	503	537	447	421	403	377	353	339	394	414	407	388
Haemolytic uraemic syndrome	not notifiable until December 1996														
Influenza: total*	not notifiable until December 2000														
Influenza: Type A*	not notifiable until December 2000														
Influenza: Type B*	not notifiable until December 2000														
Influenza: Type AB*	not notifiable until December 2003														
Influenza: Type (NOS)*	not notifiable until December 2000														
Legionnaires' disease: total*	37	104	66	60	75	74	33	46	40	41	68	44	60	80	89
Legionnaires' disease: <i>L. longbeachae</i> *	0	14	13	8	16	30	9	19	11	12	29	21	37	27	24
Legionnaires' disease: <i>L. pneumophila</i> *	16	80	34	30	35	34	18	22	22	26	38	22	23	51	64
Legionnaires' disease: other*	21	10	19	22	24	10	6	5	7	3	1	1	0	2	1
Leprosy	1	7	5	3	3	2	0	0	1	2	4	0	2	5	1
Leptospirosis*	28	21	16	14	6	33	33	50	56	54	66	39	39	40	35
Listeriosis*	11	13	12	10	14	22	23	28	22	18	12	11	28	30	25
Malaria*	171	110	174	184	96	203	173	158	174	232	157	105	120	101	204
Measles: total	496	805	2348	1484	596	191	273	119	32	36	31	8	18	12	5
Measles: laboratory confirmed*	20	76	460	302	138	35	98	19	13	22	18	6	14	11	4
Measles: other	476	729	1888	1182	458	156	175	100	19	14	13	2	4	1	1
Meningococcal disease (invasive): total	128	121	153	142	113	161	219	186	221	253	234	216	202	149	141
Meningococcal disease: type B*	0	3	7	7	23	36	54	55	95	93	90	105	100	81	73
Meningococcal disease: type C*	0	4	6	9	8	35	55	55	60	64	38	54	45	24	15
Meningococcal disease: type W135*	0	0	0	0	1	0	2	4	4	4	2	2	5	3	8
Meningococcal disease: type Y*	0	0	1	1	0	1	0	7	1	7	2	2	5	3	3
Meningococcal disease: other	128	114	139	125	81	89	108	65	61	85	102	53	50	36	42
Mumps*	8	23	13	11	14	27	29	39	33	92	28	29	35	65	111
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	3688	4438	2012	2771	3566	5801
Pneumococcal disease: invasive*	not notifiable until December 2000														
Psittacosis*	not notifiable until December 2000														
Q fever*	167	213	403	267	201	287	258	236	164	132	144	309	288	223	142
Rubella: total*	60	324	1186	233	2376	636	153	78	46	191	58	35	24	18	10
Rubella*	59	324	1184	229	2375	631	153	78	45	191	58	35	23	17	10
Rubella: congenital*	1	0	2	4	1	5	0	0	1	0	0	0	1	1	0
Salmonellosis***	1170	802	980	1101	1366	1224	1698	1812	1438	1397	1643	2100	1838	2134	2179
Shigellosis*	not notifiable until December 2000														
Syphilis: total	579	873	730	965	834	662	512	612	586	581	545	647	841	1042	845
Syphilis: infectious**	1	3	6	29	132	72	57	45	87	81	67	128	245	302	242
Syphilis: congenital	1	1	1	2	7	4	3	1	3	3	3	3	7	0	8
Syphilis: other*	577	869	723	934	695	586	452	566	496	497	475	516	589	740	595
Tetanus	5	2	5	4	0	1	3	3	1	2	0	0	1	0	1
Tuberculosis*	429	394	389	394	443	410	422	382	483	449	416	447	386	431	453
Typhoid*	38	20	28	25	27	30	28	18	32	28	32	26	16	39	28
Verotoxigenic <i>Escherichia coli</i> infections* not notifiable until December 1996	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

from 2005, all paratyphoid recorded as salmonellosis

TABLE 2

DISEASE NOTIFICATIONS BY MONTH OF ONSET OF ILLNESS,[#] NSW, 2005

Conditions	Month of Onset												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
AIDS	8	9	8	10	9	9	10	9	7	4	3	5	91
Adverse event after immunisation	3	4	17	17	10	6	9	9	11	6	10	4	106
Arbovirus infection: total*	69	69	150	152	125	56	62	57	48	47	117	141	1093
Barma Forest virus infection*	33	38	55	60	55	30	28	29	22	25	44	29	448
Ross River virus infection*	34	23	91	92	63	23	29	26	24	17	65	102	589
Arboviral:other*	2	8	4	0	7	3	5	2	2	5	8	10	56
Blood lead level ≥ 15µg/dl*	10	20	28	19	14	21	19	22	19	13	27	20	232
Botulism	0	0	0	0	0	0	0	0	0	0	0	0	0
Brucellosis*	0	0	0	0	0	1	0	0	1	0	1	0	3
Chlamydia*	896	1031	1032	919	1025	901	916	939	885	940	995	805	11284
Cholera*	0	0	0	0	0	0	0	0	0	0	0	0	0
Creutzfeldt-Jakob disease*	2	0	0	0	0	1	1	2	0	0	2	0	8
Cryptosporidiosis*	84	42	62	118	97	55	44	38	13	51	143	102	849
Giardiasis*	119	156	159	119	122	142	103	105	99	92	121	109	1446
Gonorrhoea*	120	119	140	131	130	120	147	130	131	156	137	117	1578
<i>H.influenzae</i> type b: total*	0	1	1	0	0	1	0	0	1	1	1	1	7
<i>H.influenzae</i> type b epiglottitis*	0	0	0	0	0	0	0	0	0	0	0	0	0
<i>H.influenzae</i> type b meningitis*	0	0	1	0	0	0	0	0	0	1	0	0	2
<i>H.influenzae</i> type b septicaemia*	0	1	0	0	0	1	0	0	1	0	1	0	4
<i>H.influenzae</i> type b (NOS)*	0	0	0	0	0	0	0	0	0	0	0	1	1
Hepatitis A*	9	7	5	5	6	9	4	13	2	5	12	6	83
Hepatitis B: total*	217	244	271	224	237	232	225	224	252	215	222	200	2763
Hepatitis B: acute viral*	5	10	3	4	3	6	4	5	4	3	3	6	56
Hepatitis B: other*	212	234	268	220	234	226	221	219	248	212	219	194	2707
Hepatitis C: total*	317	357	394	379	390	367	373	399	366	376	367	367	4452
Hepatitis C: acute viral*	1	1	5	3	5	4	2	5	4	6	3	2	41
Hepatitis C: other*	316	356	389	376	385	363	371	394	362	370	364	365	4411
Hepatitis D*	0	2	1	2	0	0	2	4	3	0	1	0	15
Hepatitis E*	2	1	0	1	0	0	1	1	0	0	1	0	7
HIV infection*	29	44	37	40	43	35	19	29	29	28	33	22	388
Haemolytic uraemic syndrome	2	1	0	0	0	0	1	1	0	0	1	5	11
Influenza: total*	117	111	49	98	65	65	202	332	217	88	42	28	1414
Influenza: Type A*	98	86	36	74	36	39	168	249	161	56	33	19	1055
Influenza: Type B*	13	18	10	20	26	18	21	72	52	25	4	2	281
Influenza: Type AB*	6	5	3	2	2	3	11	10	4	7	5	6	64
Influenza: Type (NOS)*	0	2	0	2	1	5	2	1	0	0	0	1	14
Legionnaires' disease: total*	9	13	6	7	6	4	4	11	11	8	8	2	89
Legionnaires' disease: <i>L. longbeachae</i> *	3	0	2	1	3	2	3	0	5	2	3	0	24
Legionnaires' disease: <i>L. pneumophila</i> *	6	13	3	6	3	2	1	11	6	6	5	2	64
Legionnaires' disease: other*	0	0	1	0	0	0	0	0	0	0	0	0	1
Leprosy	1	0	0	0	0	0	0	0	0	0	0	0	1
Leptospirosis*	4	6	5	2	1	0	2	0	5	4	4	2	35
Listeriosis*	2	4	2	2	5	0	2	1	1	3	3	0	25
Malaria*	12	32	77	7	12	6	4	16	8	12	9	9	204
Measles: total	0	2	1	2	0	0	0	0	0	0	0	0	5
Measles: laboratory confirmed*	0	2	1	1	0	0	0	0	0	0	0	0	4
Measles: other	0	0	0	1	0	0	0	0	0	0	0	0	1
Meningococcal disease (invasive): total	12	14	7	13	13	9	13	17	11	10	5	17	141
Meningococcal disease: type B*	4	10	6	8	4	7	8	11	6	3	1	5	73
Meningococcal disease: type C*	5	1	0	1	1	0	1	0	1	1	3	15	
Meningococcal disease: type W135*	0	0	0	0	2	0	0	2	1	3	0	0	8
Meningococcal disease: type Y*	1	0	0	1	1	0	0	0	0	0	0	0	3
Meningococcal disease: other	2	3	1	3	5	2	4	4	3	3	3	9	42
Mumps*	15	13	6	9	15	8	7	11	7	10	4	6	111
Pertussis	330	308	345	354	523	640	667	748	614	515	434	323	5801
Pneumococcal disease: invasive*	29	21	36	35	46	92	92	78	80	40	48	46	643
Psittacosis*	7	6	14	21	11	12	8	12	11	6	7	6	121
Q fever*	11	4	12	8	17	14	8	12	15	7	17	17	142
Rubella: total*	1	1	0	3	1	1	0	0	2	0	0	1	10
Rubella*	1	1	0	3	1	1	0	0	2	0	0	1	10
Rubella: congenital*	0	0	0	0	0	0	0	0	0	0	0	0	0
Salmonellosis**##	225	236	243	221	199	111	115	110	98	181	233	207	2179
Shigellosis*	15	15	13	16	13	9	15	4	12	13	6	4	135
Syphilis: total	57	87	88	69	89	76	56	77	66	62	72	46	845
Syphilis: infectious**+	18	32	26	12	22	22	17	24	23	17	17	12	242
Syphilis: congenital*	2	0	0	2	1	1	0	0	0	0	1	1	8
Syphilis: other*	37	55	62	55	66	53	39	53	43	45	54	33	595
Tetanus	0	0	0	0	0	1	0	0	0	0	0	0	1
Tuberculosis*	69	33	29	27	29	40	40	47	31	42	34	32	453
Typhoid*	7	7	3	1	1	1	2	2	1	1	2	0	28
Verotoxigenic <i>Escherichia coli</i> infections*	0	2	0	2	0	1	2	1	0	1	2	5	16

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

from 2005, all paratyphoid recorded as salmonellosis

TABLE 3

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

Conditions	Greater Southern [^]		Greater Western [^]		Hunter/ New England [^]		North Coast [^]		
	Aubury	Goulburn	Broken Hill	Dubbo	Bathurst	Newcastle	Tamworth	Port Macquarie	Lismore
AIDS	0.4	0.0	0.0	1.0	0.6	0.4	0.0	0.7	0.7
Adverse event after immunisation	6.4	0.5	4.2	0.0	2.3	3.2	2.2	1.8	1.1
Arbovirus infection: total*	23.4	10.9	59.3	32.4	26.0	40.8	32.9	96.4	77.3
Barmah Forest virus infection*	4.9	4.4	2.1	4.8	1.2	18.1	8.9	56.7	41.0
Ross River virus infection*	17.3	4.0	55.1	27.6	24.8	22.2	24.0	39.7	34.5
Arboviral:other*	1.1	2.5	2.1	0.0	0.0	0.5	0.0	0.0	1.8
Blood lead level ≥ 15µg/dl*	0.4	4.4	0.0	8.6	7.5	9.9	0.0	1.1	0.7
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	0.0	0.0	0.0	0.0	0.0	0.0
Chlamydia*	142.5	117.0	196.9	130.6	180.8	228.5	208.4	106.7	209.0
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*	20.0	4.4	6.4	30.5	11.6	14.1	36.8	6.7	15.8
Giardiasis*	13.6	11.4	19.1	38.1	13.3	25.7	19.5	7.4	5.0
Gonorrhoea*	4.2	3.0	0.0	11.4	5.8	15.0	11.1	3.2	18.4
<i>H.influenzae</i> type b: total*	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.4
<i>H.influenzae</i> type b epiglottitis*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>H.influenzae</i> type b meningitis*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
<i>H.influenzae</i> type b septicaemia*	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0
<i>H.influenzae</i> type b (NOS)*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis A*	0.8	0.0	0.0	1.9	1.2	0.4	2.2	0.0	0.7
Hepatitis B: total*	9.8	10.9	33.9	12.4	5.2	11.1	15.0	3.9	11.2
Hepatitis B: acute viral*	1.9	1.5	0.0	1.0	0.0	0.5	0.0	0.0	1.1
Hepatitis B: other*	7.9	9.4	33.9	11.4	5.2	10.6	15.0	3.9	10.1
Hepatitis C: total*	35.8	62.7	63.5	59.1	59.5	59.8	40.7	51.0	86.0
Hepatitis C: acute viral*	1.1	4.0	0.0	1.9	0.0	0.7	0.0	0.0	0.0
Hepatitis C: other*	34.7	58.8	63.5	57.2	59.5	59.1	40.7	51.0	86.0
Hepatitis D*	0.0	0.0	2.1	0.0	0.0	0.4	0.0	0.0	1.1
Hepatitis E*	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIV infection*	0.4	0.0	0.0	1.9	1.2	1.9	0.6	1.8	3.2
Haemolytic uraemic syndrome	0.4	0.5	0.0	0.0	0.6	0.2	0.6	0.4	0.0
Influenza: total*	6.4	6.9	16.9	62.0	7.5	13.5	5.6	8.2	19.1
Influenza: Type A*	4.2	5.9	14.8	45.8	7.5	9.9	3.9	5.3	14.8
Influenza: Type B*	1.1	1.0	0.0	3.8	0.0	3.7	1.1	0.7	4.3
Influenza: Type AB*	0.0	0.0	0.0	12.4	0.0	0.0	0.0	2.1	0.0
Influenza: Type (NOS)*	1.1	0.0	2.1	0.0	0.0	0.0	0.6	0.0	0.0
Legionnaires' disease: total*	0.4	1.5	4.2	0.0	1.2	0.7	0.0	0.4	0.0
Legionnaires' disease: <i>L.longbeachae</i> *	0.0	1.0	0.0	0.0	0.6	0.7	0.0	0.0	0.0
Legionnaires' disease: <i>L. pneumophila</i> *	0.4	0.5	4.2	0.0	0.6	0.0	0.0	0.4	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*	0.8	1.0	0.0	1.9	0.6	0.5	4.5	1.1	3.2
Listeriosis*	0.8	1.5	0.0	0.0	0.0	0.7	1.1	0.0	0.0
Malaria*	0.8	1.5	2.1	1.0	1.2	5.3	0.0	1.8	2.9
Measles: total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles: laboratory confirmed*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Measles: other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease (invasive): total	1.5	2.5	4.2	1.9	3.5	1.9	1.7	0.7	2.2
Meningococcal disease: type B*	1.1	0.0	2.1	1.9	2.3	0.9	1.1	0.4	1.1
Meningococcal disease: type C*	0.4	1.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0
Meningococcal disease: type W135*	0.0	0.0	0.0	0.0	1.2	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	0.0
Meningococcal disease: other	0.0	1.5	2.1	0.0	0.0	0.2	0.6	0.4	1.1
Mumps*	0.4	0.5	0.0	3.8	0.0	0.7	0.0	0.4	2.9
Pertussis	87.5	69.1	42.4	293.6	29.5	84.9	43.5	37.9	68.7
Pneumococcal disease: invasive*	7.9	7.9	12.7	13.3	16.2	15.0	1.7	9.2	7.9
Psittacosis*	5.3	1.0	0.0	0.0	2.9	3.3	3.9	1.1	1.4
Q fever*	1.5	3.5	10.6	19.1	4.0	4.2	15.0	4.6	7.6
Rubella: total*	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.4	0.4
Rubella*	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.4	0.4
Rubella: congenital*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salmellosis***	21.5	21.2	16.9	24.8	13.3	28.7	34.5	25.5	77.0
Shigellosis*	1.5	0.5	42.4	11.4	0.6	1.1	1.1	1.4	3.6
Syphilis: total	1.1	2.0	52.9	9.5	4.6	3.3	11.1	5.7	7.9
Syphilis: infectious**	0.0	0.0	2.1	0.0	1.2	1.6	0.0	0.0	2.9
Syphilis: congenital*	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
Syphilis: other*	1.1	2.0	50.8	9.5	2.9	1.8	11.1	5.7	5.0
Tetanus	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tuberculosis*	1.1	2.5	0.0	0.0	1.7	2.3	0.6	1.1	0.7
Typhoid*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Verotoxigenic <i>Escherichia coli</i> infections*	0.4	0.5	0.0	0.0	0.0	1.8	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

from 2005, all paratyphoid recorded as salmonellosis

^ AHS further divided into the geographical region covered by their respective Public Health Unit offices

** Rate is based on a denominator of 8000 persons

TABLE 3 *continued*
**DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE (2005 AHS BOUNDARIES), CRUDE RATES
PER 100,000 POPULATION, NSW, 2005[#]**

Conditions	Northern Sydney/ Central Coast[*]	South Eastern Sydney/ Illawarra[†]	Sydney South West[^]		Sydney West[^]		Justice Health **		
	Gosford	Hornsby	Wollongong	Randwick	Camperdown	Liverpool	Penrith	Parramatta	
AIDS	1.0	0.4	0.0	3.1	4.2	0.6	1.6	1.1	0.0
Adverse event after immunisation	2.9	0.9	0.0	2.1	0.6	0.2	2.2	0.8	12.5
Arbovirus infection: total*	7.4	2.6	3.0	2.9	3.4	1.1	2.5	1.3	0.0
Barmah Forest virus infection*	1.9	0.5	1.6	0.3	0.4	0.2	0.3	0.3	0.0
Ross River virus infection*	5.5	0.8	1.4	1.2	1.2	0.6	1.9	0.5	0.0
Arboviral:other*	0.0	1.4	0.0	1.4	1.8	0.2	0.3	0.5	0.0
Blood lead level ≥ 15µg/dl*	2.6	1.0	0.5	1.4	3.2	4.1	5.6	4.9	0.0
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	0.0	0.0	0.1	0.0	0.3	0.0
Chlamydia*	131.6	135.9	143.7	260.0	251.7	84.3	116.6	114.7	1000.0
Cholera*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Creutzfeldt-Jakob disease*	0.0	0.3	0.3	0.0	0.0	0.4	0.0	0.0	0.0
Cryptosporidiosis*	9.3	12.2	10.5	12.9	11.3	7.5	18.7	9.5	0.0
Giardiasis*	17.4	32.5	14.3	30.9	22.3	13.3	26.7	22.6	0.0
Gonorrhoea*	4.5	12.6	13.2	79.6	71.5	10.3	4.7	10.7	37.5
<i>H.influenzae</i> type b: total*	0.0	0.0	0.3	0.1	0.0	0.0	0.6	0.0	0.0
<i>H.influenzae</i> type b epiglottitis*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>H.influenzae</i> type b meningitis*	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
<i>H.influenzae</i> type b septicaemia*	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0
<i>H.influenzae</i> type b (NOS)*	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0
Hepatitis A*	0.3	1.1	0.0	1.1	3.2	1.6	1.2	1.7	0.0
Hepatitis B: total*	10.6	36.5	14.5	45.6	102.9	85.0	13.4	62.3	512.5
Hepatitis B: acute viral*	0.0	0.4	0.3	1.5	1.8	1.0	0.3	0.3	62.5
Hepatitis B: other*	10.6	36.1	14.3	44.1	101.2	84.0	13.1	62.1	450.0
Hepatitis C: total*	62.4	25.5	58.4	64.4	92.7	70.6	48.8	46.5	6238.0
Hepatitis C: acute viral*	0.0	0.1	0.0	0.0	1.8	0.0	0.6	0.4	112.5
Hepatitis C: other*	62.4	25.4	58.4	64.4	90.9	70.6	48.2	46.1	6125.0
Hepatitis D*	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.7	25.0
Hepatitis E*	0.0	0.1	0.0	0.0	0.2	0.1	0.0	0.4	0.0
HIV infection*	2.3	3.0	1.6	18.0	19.0	1.3	3.1	3.4	0.0
Haemolytic uraemic syndrome	0.0	0.1	0.3	0.3	0.0	0.0	0.3	0.0	0.0
Influenza: total*	7.1	19.8	10.0	53.5	13.0	19.4	12.7	27.7	50.0
Influenza: Type A*	4.5	14.6	7.5	39.7	9.5	15.3	10.6	20.0	37.5
Influenza: Type B*	1.0	3.1	1.4	12.0	3.2	3.6	1.6	6.9	12.5
Influenza: Type AB*	1.6	1.7	1.1	1.7	0.0	0.1	0.6	0.7	0.0
Influenza: Type (NOS)*	0.0	0.4	0.0	0.0	0.4	0.4	0.0	0.1	0.0
Legionnaires' disease: total*	1.9	2.4	4.0	0.6	1.0	0.2	1.9	2.3	0.0
Legionnaires' disease: <i>L. longbeachae</i> *	0.3	0.8	0.3	0.3	0.2	0.2	0.0	0.5	0.0
Legionnaires' disease: <i>L. pneumophila</i> *	1.6	1.6	3.8	0.4	0.6	0.0	1.9	1.7	0.0
Legionnaires' disease: other*	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Leprosy	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Leptospirosis*	0.3	0.0	0.3	0.0	0.0	0.1	0.3	0.0	0.0
Listeriosis*	0.0	0.4	0.3	0.5	0.4	0.1	0.0	0.4	0.0
Malaria*	2.3	2.2	2.4	2.5	1.2	2.8	1.6	7.3	0.0
Measles: total	0.0	0.2	0.0	0.3	0.0	0.0	0.0	0.1	0.0
Measles: laboratory confirmed*	0.0	0.1	0.0	0.3	0.0	0.0	0.0	0.1	0.0
Measles: other	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease (invasive): total	4.2	1.6	0.8	2.7	1.0	1.8	2.8	2.5	0.0
Meningococcal disease: type B*	2.3	1.0	0.8	1.2	0.8	0.6	1.9	1.2	0.0
Meningococcal disease: type C*	0.6	0.1	0.0	0.1	0.0	0.1	0.3	0.1	0.0
Meningococcal disease: type W135*	0.6	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0
Meningococcal disease: type Y*	0.0	0.1	0.0	0.0	0.2	0.1	0.0	0.0	0.0
Meningococcal disease: other	0.6	0.4	0.0	1.0	0.0	1.0	0.6	1.2	0.0
Mumps*	0.6	3.6	0.5	2.6	2.8	1.1	0.9	1.3	0.0
Pertussis	52.8	84.0	63.0	129.3	103.9	60.3	92.7	99.4	12.5
Pneumococcal disease: invasive*	11.6	7.7	9.2	6.5	10.5	8.2	11.2	10.2	0.0
Psittacosis*	1.0	0.3	2.4	0.6	0.2	1.0	10.3	0.7	0.0
Q fever*	0.3	0.4	0.5	0.1	0.2	0.5	0.6	0.0	0.0
Rubella: total*	0.3	0.1	0.0	0.0	0.4	0.0	0.3	0.0	0.0
Rubella*	0.3	0.1	0.0	0.0	0.4	0.0	0.3	0.0	0.0
Rubella: congenital*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salmonellosis**##	23.2	30.5	19.4	35.1	34.8	31.4	29.9	39.2	0.0
Shigellosis*	1.3	2.1	0.3	2.4	2.8	0.7	0.9	1.2	0.0
Syphilis: total	3.2	5.2	4.9	22.6	30.8	22.2	5.0	13.1	75.0
Syphilis: infectious**+	0.3	2.4	0.8	15.2	11.1	0.4	0.9	1.7	12.5
Syphilis: congenital*	0.0	0.3	0.0	0.0	0.2	0.1	0.0	0.3	0.0
Syphilis: other*	2.9	2.6	4.0	7.5	19.6	21.7	4.0	11.1	62.5
Tetanus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tuberculosis*	1.9	5.5	1.9	8.4	15.0	10.8	3.1	15.2	12.5
Typhoid*	0.6	0.4	0.3	0.5	1.6	0.5	0.3	0.4	0.0
Verotoxigenic <i>Escherichia coli</i> infections*	0.0	0.1	0.0	0.0	0.0	0.1	0.3	0.1	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

from 2005, all paratyphoid recorded as salmonellosis

^ AHS further divided into the geographical region covered by their respective Public Health Unit offices

** Rate is based on a denominator of 8000 persons

TABLE 4

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

Conditions	Greater Southern [^]		Greater Western [^]		Hunter/ New England [^]		North Coast [^]		
	Albury	Goulburn	Broken Hill	Dubbo	Bathurst	Newcastle	Tamworth	Port Macquarie	Lismore
AIDS	1	0	0	1	1	2	0	2	2
Adverse event after immunisation	17	1	2	0	4	18	4	5	3
Arbovirus infection: total*	62	22	28	34	45	232	59	272	215
Barmah Forest virus infection*	13	9	1	5	2	103	16	160	114
Ross River virus infection*	46	8	26	29	43	126	43	112	96
Arboviral:other*	3	5	1	0	0	3	0	0	5
Blood lead level ≥ 15µg/dl*	1	9	0	9	13	56	0	3	2
Botulism	0	0	0	0	0	0	0	0	0
Brucellosis*	0	0	0	0	0	0	0	0	0
Chlamydia*	378	237	93	137	313	1299	374	301	581
Cholera*	0	0	0	0	0	0	0	0	0
Creutzfeldt-Jakob disease*	1	0	0	0	0	1	0	0	0
Cryptosporidiosis*	53	9	3	32	20	80	66	19	44
Giardiasis*	36	23	9	40	23	146	35	21	14
Gonorrhoea*	11	6	0	12	10	85	20	9	51
H.influenzae type b: total*	0	0	0	0	0	2	0	0	1
H.influenzae type b epiglottitis*	0	0	0	0	0	0	0	0	0
H.influenzae type b meningitis*	0	0	0	0	0	0	0	0	1
H.influenzae type b septicaemia*	0	0	0	0	0	2	0	0	0
H.influenzae type b (NOS)*	0	0	0	0	0	0	0	0	0
Hepatitis A*	2	0	0	2	2	2	4	0	2
Hepatitis B: total*	26	22	16	13	9	63	27	11	31
Hepatitis B: acute viral*	5	3	0	1	0	3	0	0	3
Hepatitis B: other*	21	19	16	12	9	60	27	11	28
Hepatitis C: total*	95	127	30	62	103	340	73	144	239
Hepatitis C: acute viral*	3	8	0	2	0	4	0	0	0
Hepatitis C: other*	92	119	30	60	103	336	73	144	239
Hepatitis D*	0	0	1	0	0	2	0	0	3
Hepatitis E*	1	0	0	0	0	0	0	0	0
HIV infection*	1	0	0	2	2	11	1	5	9
Haemolytic uraemic syndrome	1	1	0	0	1	1	1	1	0
Influenza: total*	17	14	8	65	13	77	10	23	53
Influenza: Type A*	11	12	7	48	13	56	7	15	41
Influenza: Type B*	3	2	0	4	0	21	2	2	12
Influenza: Type AB*	0	0	0	13	0	0	0	6	0
Influenza: Type (NOS)*	3	0	1	0	0	0	1	0	0
Legionnaires' disease: total*	1	3	2	0	2	4	0	1	0
Legionnaires' disease: <i>L. longbeachae</i> *	0	2	0	0	1	4	0	0	0
Legionnaires' disease: <i>L. pneumophila</i> *	1	1	2	0	1	0	0	1	0
Legionnaires' disease: other*	0	0	0	0	0	0	0	0	0
Leprosy	0	0	0	0	0	0	0	0	0
Leptospirosis*	2	2	0	2	1	3	8	3	9
Listeriosis*	2	3	0	0	0	4	2	0	0
Malaria*	2	3	1	1	2	30	0	5	8
Measles: total	0	0	0	0	0	0	0	0	0
Measles: laboratory confirmed*	0	0	0	0	0	0	0	0	0
Measles: other	0	0	0	0	0	0	0	0	0
Meningococcal disease (invasive): total	4	5	2	2	6	11	3	2	6
Meningococcal disease: type B*	3	0	1	2	4	5	2	1	3
Meningococcal disease: type C*	1	2	0	0	0	4	0	0	0
Meningococcal disease: type W135*	0	0	0	0	2	1	0	0	0
Meningococcal disease: type Y*	0	0	0	0	0	0	0	0	0
Meningococcal disease: other	0	3	1	0	0	1	1	1	3
Mumps*	1	1	0	4	0	4	0	1	8
Pertussis	232	140	20	308	51	483	78	107	191
Pneumococcal disease: invasive*	21	16	6	14	28	85	3	26	22
Psittacosis*	14	2	0	0	5	19	7	3	4
Q fever*	4	7	5	20	7	24	27	13	21
Rubella: total*	0	0	0	0	0	2	1	1	1
Rubella*	0	0	0	0	0	2	1	1	1
Rubella: congenital*	0	0	0	0	0	0	0	0	0
Salmonellosis***	57	43	8	26	23	163	62	72	214
Shigellosis*	4	1	20	12	1	6	2	4	10
Syphilis: total	3	4	25	10	8	19	20	16	22
Syphilis: infectious**	0	0	1	0	2	9	0	0	8
Syphilis: congenital*	0	0	0	0	1	0	0	0	0
Syphilis: other*	3	4	24	10	5	10	20	16	14
Tetanus	0	1	0	0	0	0	0	0	0
Tuberculosis*	3	5	0	0	3	13	1	3	2
Typhoid*	0	0	0	0	0	0	0	1	0
Verotoxigenic <i>Escherichia coli</i> infections*	1	1	0	0	0	10	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 with unknown PHU

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

from 2005, all paratyphoid recorded as salmonellosis

^ AHS further divided into the geographical region covered by their respective Public Health Unit offices

TABLE 4 *continued*NUMBER OF DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE (2005 AHS BOUNDARIES), NSW, 2005[#]

Conditions	Northern Sydney/ Central Coast [^]		South Eastern Sydney/ Illawarra [^]		Sydney South West [^]		Sydney West [^]		Justice Health	TOTAL ^(a)
	Gosford	Hornsby	Wollongong	Randwick	Camperdown	Liverpool	Penrith	Parramatta		
AIDS	3	3	0	25	21	5	5	8	0	91
Adverse event after immunisation	9	7	0	17	3	2	7	6	1	106
Arbovirus infection: total*	23	21	11	23	17	9	8	10	0	1093
Barmah Forest virus infection*	6	4	6	2	2	2	1	2	0	448
Ross River virus infection*	17	6	5	10	6	5	6	4	0	589
Arboviral:other*	0	11	0	11	9	2	1	4	0	56
Blood lead level ≥ 15µg/dl*	8	8	2	11	16	34	18	37	0	232
Botulism	0	0	0	0	0	0	0	0	0	0
Brucellosis*	0	0	0	0	0	1	0	2	0	3
Chlamydia*	409	1092	534	2094	1274	698	375	867	80	11284
Cholera*	0	0	0	0	0	0	0	0	0	0
Creutzfeldt-Jakob disease*	0	2	1	0	0	3	0	0	0	8
Cryptosporidiosis*	29	98	39	104	57	62	60	72	0	849
Giardiasis*	54	261	53	249	113	110	86	171	0	1446
Gonorrhoea*	14	101	49	641	362	85	15	81	3	1578
<i>H.influenzae</i> type b: total*	0	0	1	1	0	0	2	0	0	7
<i>H.influenzae</i> type b epiglottitis*	0	0	0	0	0	0	0	0	0	0
<i>H.influenzae</i> type b meningitis*	0	0	1	0	0	0	0	0	0	2
<i>H.influenzae</i> type b septicaemia*	0	0	0	1	0	0	1	0	0	4
<i>H.influenzae</i> type b (NOS)*	0	0	0	0	0	0	1	0	0	1
Hepatitis A*	1	9	0	9	16	13	4	13	0	83
Hepatitis B: total*	33	293	54	367	521	704	43	471	41	2763
Hepatitis B: acute viral*	0	3	1	12	9	8	1	2	5	56
Hepatitis B: other*	33	290	53	355	512	696	42	469	36	2707
Hepatitis C: total*	194	205	217	519	469	585	157	351	499	4452
Hepatitis C: acute viral*	0	1	0	0	9	0	2	3	9	41
Hepatitis C: other*	194	204	217	519	460	585	155	348	490	4411
Hepatitis D*	0	0	0	1	0	1	0	5	2	15
Hepatitis E*	0	1	0	0	1	1	0	3	0	7
HIV infection*	7	24	6	145	96	11	10	26	0	388
Haemolytic uraemic syndrome	0	1	1	2	0	0	1	0	0	11
Influenza: total*	22	159	37	431	66	161	41	209	4	1414
Influenza: Type A*	14	117	28	320	48	127	34	151	3	1055
Influenza: Type B*	3	25	5	97	16	30	5	52	1	281
Influenza: Type AB*	5	14	4	14	0	1	2	5	0	64
Influenza: Type (NOS)*	0	3	0	0	2	3	0	1	0	14
Legionnaires' disease: total*	6	19	15	5	5	2	6	17	0	89
Legionnaires' disease: <i>L. longbeachae</i> *	1	6	1	2	1	2	0	4	0	24
Legionnaires' disease: <i>L. pneumophila</i> *	5	13	14	3	3	0	6	13	0	64
Legionnaires' disease: other*	0	0	0	0	1	0	0	0	0	1
Leprosy	0	0	0	0	0	1	0	0	0	1
Leptospirosis*	1	0	1	0	0	1	1	0	0	35
Listeriosis*	0	3	1	4	2	1	0	3	0	25
Malaria*	7	18	9	20	6	23	5	55	0	204
Measles: total	0	2	0	2	0	0	0	1	0	5
Measles: laboratory confirmed*	0	1	0	2	0	0	0	1	0	4
Measles: other	0	1	0	0	0	0	0	0	0	1
Meningococcal disease (invasive): total	13	13	3	22	5	15	9	19	0	141
Meningococcal disease: type B*	7	8	3	10	4	5	6	9	0	73
Meningococcal disease: type C*	2	1	0	1	0	1	1	1	0	15
Meningococcal disease: type W135*	2	0	0	3	0	0	0	0	0	8
Meningococcal disease: type Y*	0	1	0	0	1	1	0	0	0	3
Meningococcal disease: other	2	3	0	8	0	8	2	9	0	42
Mumps*	2	29	2	21	14	9	3	10	0	111
Pertussis	164	675	234	1041	526	499	298	751	1	5801
Pneumococcal disease: invasive*	36	62	34	52	53	68	36	77	0	643
Psittacosis*	3	2	9	5	1	8	33	5	0	121
Q fever*	1	3	2	1	1	4	2	0	0	142
Rubella: total*	1	1	0	0	2	0	1	0	0	10
Rubella*	1	1	0	0	2	0	1	0	0	10
Rubella: congenital*	0	0	0	0	0	0	0	0	0	0
Salmonellosis**##	72	245	72	283	176	260	96	296	0	2179
Shigellosis*	4	17	1	19	14	6	3	9	0	135
Syphilis: total	10	42	18	182	156	184	16	99	6	845
Syphilis: infectious**	1	19	3	122	56	3	3	13	1	242
Syphilis: congenital*	0	2	0	0	1	1	0	2	0	8
Syphilis: other*	9	21	15	60	99	180	13	84	5	595
Tetanus	0	0	0	0	0	0	0	0	0	1
Tuberculosis*	6	44	7	68	76	89	10	115	1	453
Typhoid*	2	3	1	4	8	4	1	3	0	28
Verotoxigenic <i>Escherichia coli</i> infections*	0	1	0	0	0	1	1	1	0	16

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 with unknown PHU

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

from 2005, all paratyphoid recorded as salmonellosis

^ AHS further divided into the geographical region covered by their respective Public Health Unit offices

TABLE 5

DISEASE NOTIFICATIONS BY AGE GROUP AND SEX OF THE CASE, NSW, 2005[#]

Conditions	0–4 yrs		5–24 yrs		25–44 yrs		45–64 yrs		65 + yrs		Total		
	M	F	M	F	M	F	M	F	M	F	M	F	
AIDS	0	0	0	1	7	44	5	32	0	0	12	77	91
Adverse event after immunisation	33	19	4	9	6	1	16	3	11	4	70	36	106
Arbovirus infection: total*	6	2	55	50	225	181	205	236	49	79	540	548	1093
Barmah Forest virus infection*	2	0	24	21	85	77	86	102	17	33	214	233	448
Ross River virus infection*	4	2	25	24	129	91	112	125	30	43	300	285	589
Arboviral:other*	0	0	6	5	11	13	7	9	2	3	26	30	56
Blood lead level ≥ 15µg/dl*	2	5	1	31	4	100	3	76	2	8	12	220	232
Botulism	0	0	0	0	0	0	0	0	0	0	0	0	0
Brucellosis*	0	1	0	2	0	0	0	0	0	0	0	3	3
Chlamydia*	16	23	4305	2093	1955	2416	97	339	3	14	6376	4885	11284 ^(b)
Cholera*	0	0	0	0	0	0	0	0	0	0	0	0	0
Creutzfeldt-Jakob disease*	0	0	0	0	0	0	2	2	1	3	3	5	8
Cryptosporidiosis*	148	199	136	166	98	63	12	14	6	4	400	446	849
Giardiasis*	161	196	130	179	259	229	89	111	60	29	699	744	1446
Gonorrhoea*	1	0	93	312	80	925	12	145	1	6	187	1388	1578 ^(b)
H. <i>influenzae</i> type b: total*	1	3	0	0	0	0	0	0	2	1	3	4	7
H. <i>influenzae</i> type b epiglottitis*	0	0	0	0	0	0	0	0	0	0	0	0	0
H. <i>influenzae</i> type b meningitis*	0	2	0	0	0	0	0	0	0	0	0	2	2
H. <i>influenzae</i> type b septicaemia*	1	1	0	0	0	0	0	0	1	1	2	2	4
H. <i>influenzae</i> type b (NOS)*	0	0	0	0	0	0	0	0	1	0	1	0	1
Hepatitis A*	4	1	15	20	8	16	5	6	5	2	37	45	83
Hepatitis B: total*	4	10	228	237	669	827	255	404	41	72	1197	1551	2763
Hepatitis B: acute viral*	0	1	7	9	7	18	4	5	1	3	19	36	56
Hepatitis B: other*	4	9	221	228	662	809	251	399	40	69	1178	1515	2707
Hepatitis C: total*	6	11	289	308	936	1620	370	750	73	73	1675	2762	4452 ^(b)
Hepatitis C: acute viral*	0	0	3	9	13	15	1	0	0	0	17	24	41
Hepatitis C: other*	6	11	286	299	923	1605	369	750	73	73	1658	2738	4411 ^(b)
Hepatitis D*	1	0	0	4	1	4	1	4	0	0	3	12	15
Hepatitis E*	0	0	0	3	2	0	0	2	0	0	2	5	7
HIV infection*	0	0	9	28	17	243	5	82	0	4	31	357	388
Haemolytic uraemic syndrome	1	3	1	1	0	0	2	1	1	1	5	6	11
Influenza: total*	122	143	172	144	219	118	132	120	130	114	775	639	1414
Influenza: Type A*	100	114	118	104	153	85	101	94	101	85	573	482	1055
Influenza: Type B*	21	26	43	32	49	26	26	18	19	21	158	123	281
Influenza: Type AB*	1	1	11	4	14	5	5	8	8	7	39	25	64
Influenza: Type (NOS)*	0	2	0	4	3	2	0	0	2	1	5	9	14
Legionnaires' disease: total*	0	0	0	3	7	12	11	24	9	23	27	62	89
Legionnaires' disease: <i>L. longbeachae</i> *	0	0	0	0	1	4	5	5	3	6	9	15	24
Legionnaires' disease: <i>L. pneumophila</i> *	0	0	0	3	6	7	6	19	6	17	18	46	64
Legionnaires' disease: other*	0	0	0	0	0	1	0	0	0	0	0	1	1
Leprosy	0	0	1	0	0	0	0	0	0	0	1	0	1
Leptospirosis*	0	1	2	7	4	7	3	10	1	0	10	25	35
Listeriosis*	0	1	0	0	0	1	7	3	9	4	16	9	25
Malaria*	8	13	44	46	20	26	8	34	2	2	82	121	204
Measles: total	0	0	1	1	1	2	0	0	0	0	2	3	5
Measles: laboratory confirmed*	0	0	1	0	1	2	0	0	0	0	2	2	4
Measles: other	0	0	0	1	0	0	0	0	0	0	0	1	1
Meningococcal disease (invasive): total	15	28	19	32	15	9	4	8	10	1	63	78	141
Meningococcal disease: type B*	10	16	13	18	5	3	2	1	4	1	34	39	73
Meningococcal disease: type C*	1	1	0	4	4	3	0	2	0	0	5	10	15
Meningococcal disease: type W135*	0	0	0	1	1	0	0	1	5	0	6	2	8
Meningococcal disease: type Y*	1	0	0	0	0	0	1	0	1	0	3	0	3
Meningococcal disease: other	3	11	6	9	5	3	1	4	0	0	15	27	42
Mumps*	0	3	12	19	19	37	6	7	6	2	43	68	111
Pertussis	133	135	461	326	1210	687	1275	802	417	347	3496	2297	5801
Pneumococcal disease: invasive*	73	66	17	21	35	80	55	81	105	107	285	355	643
Psittacosis*	0	1	7	2	19	12	20	27	9	24	55	66	121
Q fever*	0	0	6	12	13	42	11	47	5	6	35	107	142
Rubella: total*	0	2	0	0	4	1	1	0	1	0	6	3	10
Rubella*	0	2	0	0	4	1	1	0	1	0	6	3	10
Rubella: congenital*	0	0	0	0	0	0	0	0	0	0	0	0	0
Salmonellosis***	248	318	267	354	258	225	163	144	104	90	1040	1131	2179
Shigellosis*	17	23	14	12	27	14	9	13	0	4	67	66	135
Syphilis: total	4	3	30	45	113	278	54	182	46	84	247	592	845
Syphilis: infectious**	0	0	4	22	7	156	5	43	0	4	16	225	242
Syphilis: congenital*	2	2	0	3	0	0	0	0	0	0	2	5	8
Syphilis: other*	2	1	26	20	106	122	49	139	46	80	229	362	595
Tetanus	0	0	0	0	0	0	0	0	0	1	0	1	1
Tuberculosis*	9	3	30	37	98	84	54	53	30	54	221	231	453
Typhoid*	0	0	6	14	3	2	2	1	0	0	11	17	28
Verotoxigenic <i>Escherichia coli</i> infections*	0	0	5	4	0	1	3	1	1	1	9	7	16

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 people who identify as transgender

from 2005, all paratyphoid recorded as salmonellosis

M = male F = female

TABLE 6
DISEASE NOTIFICATIONS WHERE THE CASE HAD DIED AT THE TIME OF PUBLIC HEALTH FOLLOW-UP, BY YEAR OF ONSET OF ILLNESS,[#] NSW, 1991–2005

Conditions	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Creutzfeldt-Jakob disease*														3	6
<i>H.influenzae</i> type b: total*	4	4	4	1	0	2	0	0	0	1	1	0	0	0	0
<i>H.influenzae</i> type b epiglottitis*	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0
<i>H.influenzae</i> type b meningitis*	2	3	3	0	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	0
<i>H.influenzae</i> type b infection (NOS)*	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0
HIV/AIDS infection (total) [£]	350	337	393	432	365	280	134	76	74	87	62	67	64	58	36
Cause AIDS	341	320	374	399	277	205	124	71	65	73	46	37	40	23	19
Cause Other	9	17	19	33	88	75	10	5	9	14	16	30	24	35	17
Haemolytic uraemic syndrome														1	1
Listeriosis*	0	0	2	2	2	9	1	5	4	4	3	1	6	3	3
Measles (total)	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles laboratory confirmed*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Measles: other	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
Meningococcal disease (invasive): total	3	8	11	15	7	7	7	17	14	14	7	19	14	6	9
Meningococcal disease—Type B*	0	0	1	1	3	0	4	2	7	6	2	8	6	4	4
Meningococcal disease—Type C*	0	0	1	1	0	2	2	10	4	4	5	10	6	1	2
Meningococcal disease—Type W135*	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2
Meningococcal disease—Type Y*	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
Meningococcal disease—other	3	8	9	13	4	5	1	4	2	3	0	1	2	1	0
Pertussis	0	0	0	0	2	2	3	1	1	2	0	0	1	1	1
Pneumococcal disease: invasive*												6	95	71	88
not notifiable until December 2000													61		
Tetanus	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis*	10	26	31	25	23	16	21	25	29	40	33	39	22	28	21
Verotoxigenic <i>Escherichia coli</i> infections*													0	0	1
not notifiable until December 1996															1

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

HIV/ AIDS deaths are reported by date of death rather than onset of illness