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YEAR IN REVIEW: COMMUNICABLE DISEASE SURVEILLANCE, 2002

In this issue, we review the trends in reports of notifiable diseases among NSW residents received by the NSW public health units for 2002. 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; rate per 100,000 population and number of cases by area health service; and 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 35,142 NSW residents with medical conditions notified by doctors, hospital staff, and laboratories for 2002:

Conditions most frequently reported

- hepatitis C (6705 cases [101.9/100,000 population], with the highest crude rates in Central Sydney, South Western Sydney, and Northern Rivers Area Health Services);
- chlamydia (5649 [85.9/100,000], with the highest crude rates in Central Sydney, South Eastern Sydney, and Far West Area Health Services);
- gastroenteritis in institutions (4057 [61.7/100,000], with the highest crude rates in Central Sydney, Southern and Far West Area Health Services);*
- hepatitis B (3550 cases [53.9/100,000], with the highest crude rates in Central Sydney, South Western Sydney, and Western Sydney Area Health Services);
- salmonella infections (2102 cases [32.0/100,000], with the highest crude rates in the Northern Rivers, Greater Murray, and New England Area Health Services);
- pertussis (2009 cases [30.5/100,000], with the highest crude rates in the Macquarie, Hunter, and Mid North Coast Area Health Services).

* Note: Surveillance recording practices for 'gastroenteritis in an institution' changed in 2002, leading to the significant rise in numbers of cases from 2001.

continued on page 190

CONTENTS

189 Year in Review:
Communicable Disease
Surveillance, 2002

200 Priorities for Communicable
Disease Control in
New South Wales, 2003

206 Fact Sheet : Viral
Gastroenteritis

207 Communicable Diseases,
NSW, for July 2003

207 Trends

207 Measles in Wentworth

208 A case of meningococcal
disease and chickenpox

208 Enteric Diseases

Conditions with meaningful declines over previous years

- hepatitis C (6705 cases in total, down from 8692 in 2001);
- pertussis (2009 cases, indicating the easing of the statewide outbreak in 2000–01);
- measles (eight cases, down from 31 in 2001, and a record low).

Conditions with meaningful increases over previous years

- chlamydia infections (5649 cases, up from 4494 in 2001);
- institutional gastroenteritis (4057 cases, up from 775 in 2001, largely reflecting the changes in foodborne illness surveillance implemented during 2002);
- salmonellosis (2102 cases, up from 1643 in 2001. The most commonly reported serovars in 2002 were *S.typhimurium* subtypes 9 and 135);
- new HIV diagnoses (389 cases, up from 341 in 2001, the first annual increase in case reports in recent years);
- Q fever (305 cases, up from 142 in 2001, perhaps in part due to increased screening related to the Q Fever vaccination program);
- cryptosporidiosis (305 cases, up from 195 in 2001);
- adverse events after immunisation (174 cases, up from 111 in 2001, perhaps reflecting the broader surveillance definition adopted in recent years and improved reporting of adverse events after immunisation).

Conditions least frequently reported

In 2002, there were no reported cases of botulism, chancroid, diphtheria, leprosy, lymphogranuloma venereum (LGV), donovanosis, plague, polio, rabies, congenital rubella, tetanus, typhus, viral haemorrhagic fevers, or yellow fever.

Conditions associated with the largest numbers of reported deaths

Deaths for notifiable conditions reported via the surveillance mechanisms 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 put control measures in place. However, there are other notifiable conditions (for example: chlamydia and gonorrhoea) where no routine investigation takes place but information is collected for surveillance purposes. Where death occurs either after the investigation of a case, or where there has been no routine investigation, these deaths may not be recorded in the surveillance systems. Deaths were most frequently reported for the following notifiable diseases:

- invasive pneumococcal disease (99);
- tuberculosis (37);
- AIDS (25);
- meningococcal disease (19);
- gastroenteritis in an institution (15);
- hepatitis C (10).

Outbreaks and threats

In 2002, several notable disease outbreaks and threats were reported in NSW. These include:

- a large outbreak of psittacosis, linked to wild birds in the Blue Mountains in Autumn;
- the re-emergence of syphilis in inner Sydney, especially among men who have sex with men;
- an outbreak of Barmah Forest virus infection on the northern coast of NSW, which saw it replace Ross River Virus infection as the dominant mosquito-borne disease in autumn;
- an outbreak of *Salmonella Typhimurium* phage type 9 infections, some cases being linked to fried ice-cream contaminated with raw-chicken juice in February;
- an outbreak of five measles cases, linked to cases acquired overseas or interstate, between March and August;
- increasing reports of community-acquired Methicillin Resistant Staphylococcus Aureus (MRSA), notably in the Greater Murray and the Far West Area Health Services;
- a cluster of two passengers on a cruise ship who were diagnosed with meningococcal disease in January;
- general public concern about meningococcal disease.

TRAINING AND INFORMATION

In 2002, the NSW Department of Health facilitated training for public health professionals in communicable disease control and developed new information resources, including:

- monthly Bug Breakfast seminars, journal clubs, and epidemiological grand rounds seminars;
- a two-day workshop on communicable disease surveillance;
- supervision of an officer on the NSW Public Health Officer Training Program;
- teaching students of public health and medicine at the Universities of Sydney and New South Wales;
- a variety of new fact sheets, available online at www.health.nsw.gov.au/pubs/index.html.

PROGRESS ON PRIORITY AREAS

In 2000, communicable diseases priority areas were identified for development in NSW.¹ Here we report on progress on the priority areas for the State:

Eliminate the transmission of measles

Eight measles cases were reported among NSW residents in 2002. Of these six were confirmed by laboratory testing.

Eliminate congenital rubella

There were no cases in 2002.

Eliminate congenital syphilis

There was one case in 2002.

Monitor risk factors for new hepatitis C infections

An evaluation of enhanced Hepatitis C (HCV) surveillance (involving follow up of all cases reported by pathology laboratories as having markers of HCV infection) in 2002 found that enhanced surveillance provided little new useful epidemiological information about cases. Consequently, enhanced statewide surveillance ceased in late 2002.

Better understand risk factors for invasive pneumococcal disease

Enhanced surveillance for invasive pneumococcal disease (IPD) was undertaken for children aged less than five years and adults aged 50 years and over. Vaccination is recommended for children with certain underlying illnesses, and all adults aged 65 years and over. Underlying illness was present in 14 per cent of children and 64 per cent of adults aged 50 years and older diagnosed with IPD. Vaccination may have prevented up to 85 per cent of cases of disease.

Minimise the incidence and management of multi-drug resistant tuberculosis

Four cases of multi-drug resistant tuberculosis (MDR-TB) were identified in 2002; all were most likely acquired overseas. An expert panel reviewed the management of each case.

INITIATIVES FOR 2003

To strengthen communicable disease control activities in 2003, the following initiatives were planned:

- a review of priorities for the control of communicable diseases;
- a review of systems and processes for statewide surveillance;
- strengthening surveillance for meningococcal disease and tuberculosis;
- convening a training workshop for disease control for public health professionals.

SO WHAT DOES IT ALL MEAN?

In 2002, bloodborne viruses (notably hepatitis C, hepatitis B, and HIV), sexually transmissible infections (notably

chlamydia and gonorrhoea), and enteric diseases (notably norovirus and salmonella), were the most commonly notified diseases in NSW. Prevention of these diseases must therefore remain a priority.

The record low levels of measles is a testament to the current high rates of immunisation among children. However, because pertussis vaccine is less effective in providing long term immunity than the measles vaccine, it may be that the relatively low levels of pertussis represents an inter-epidemic lull and a rise can be anticipated in 2003–04.

Although the number of cases of meningococcal disease was no higher than in the previous year, in 2002 there was an increase in deaths from meningococcal disease (to 19, up from seven in 2001) and a substantial increase in public concern and media coverage about the disease. Subsequently, the Commonwealth Department of Health and Ageing funded, and NSW Health is implementing, a meningococcal C vaccine program for pre-school and school children.

The more commonly reported cause of death resulting from a notifiable disease, however, was from pneumococcal disease, and more complete vaccination coverage in young children and older adults should lead to a reduction in the number of both cases and deaths.

The outbreak of psittacosis in the Blue Mountains highlights the need to remain vigilant for—and maintain public health capacity to investigate and control—outbreaks of novel or previously unknown diseases, especially in light of the subsequent global outbreak of severe acute respiratory syndrome in 2003, and concerns about the potential for bioterrorism.

THANK YOU

It is important to recognise that disease control and prevention depends on effective surveillance of communicable diseases in the community. NSW Health would like to 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. We also recognise the cooperation that the patients with these diseases, and their families and contacts, have demonstrated in helping reduce the transmission of these infections.

REFERENCE

1. Public Health Division. Infectious Disease, NSW: May 2000. *N S W Public Health Bull* 2000; 11(5): 84–86. ■

TABLE 1

DISEASE NOTIFICATIONS BY YEAR OF ONSET OF ILLNESS, NSW, 1991 TO 2002

Conditions	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
AIDS	443	432	480	552	472	368	201	173	112	122	77	73
Adverse event after immunisation	9	31	23	40	28	56	70	94	13	42	111	174
Total Arboviral infection*	409	341	656	381	534	1225	1803	780	1218	975	1184	657
Arboviral: Barmah Forest virus infections*	6	6	25	39	271	172	185	134	249	195	399	393
Arboviral: Ross River virus infections*	297	324	599	332	236	1031	1597	583	953	749	716	182
Arboviral: other*	106	11	32	10	27	22	21	63	16	31	69	82
Blood lead level ≥ 15 µg/dl*						not notifiable until December 1996		710	874	691	990	515 524
Botulism	0	0	0	0	0	0	0	0	1	0	0	0
Brucellosis*	2	2	4	4	2	1	3	3	2	1	1	2
Chancroid						not notifiable until December 1998			1	0	0	0
Chlamydia trachomatis infections*						not notifiable until August 1998			2467	3496	4494	5649
Cholera*	1	0	1	0	1	3	1	1	2	0	1	1
Cryptosporidiosis*						not notifiable until December 1996		157	1130	121	133	195 305
Food-borne illness (NOS)	2765	253	106	213	270	211	255	201	151	147	56	751
Gastroenteritis (institutional)*	158	406	443	296	1359	554	939	738	673	697	775	4057
Giardiasis*						not notifiable until August 1998			1091	978	967	862
Gonorrhoea*	392	491	382	357	428	522	636	1054	1291	1059	1357	1470
Total <i>H.influenzae</i> type b infection*	212	217	124	61	29	13	17	11	13	8	7	10
<i>H.influenzae</i> type b epiglottitis*	15	57	32	21	6	2	5	1	2	2	1	1
<i>H.influenzae</i> type b meningitis*	48	103	53	17	11	4	3	3	3	1	1	1
<i>H.influenzae</i> type b septicaemia*	11	26	24	12	8	3	1	4	6	4	2	3
<i>H.influenzae</i> type b infection (NOS)*	138	31	15	11	4	4	8	3	2	1	3	5
HIV infection*	824	700	593	501	540	453	425	407	378	357	341	389
Haemolytic uraemic syndrome						not notifiable until December 1996		3	6	11	9	2 7
Hepatitis A*	1119	903	579	586	614	958	1426	927	421	201	197	149
Hepatitis B: acute viral*	408	113	95	74	61	43	53	58	77	99	94	87
Hepatitis B: other*	1095	3059	3507	3910	3946	3469	3118	2895	3450	3900	4503	3463
Hepatitis C: acute viral*	22	26	22	16	32	18	19	111	113	224	298	152
Hepatitis C: other*	834	3869	5879	7809	6860	6986	6908	7109	8508	8079	8394	6553
Hepatitis D*	0	8	12	19	19	9	11	3	14	11	11	10
Hepatitis E*	0	0	1	2	0	3	6	4	7	9	6	6
Influenza*						not notifiable until December 2000					243	1011
Total Legionnaires' disease	37	104	66	60	75	74	33	46	41	41	68	45
Legionnaires' disease: <i>L. longbeachae</i> *	0	14	13	8	16	30	9	19	12	12	29	22
Legionnaires' disease: <i>L. pneumophila</i> *	16	80	34	30	35	34	18	22	22	26	38	22
Legionnaires' disease: other	21	10	19	22	24	10	6	5	7	3	1	1
Leprosy	1	7	5	3	3	2	0	0	1	2	3	0
Leptospirosis*	28	21	16	14	6	33	33	50	56	54	66	39
Listeriosis*	11	13	12	10	14	22	23	28	22	18	12	11
Malaria*	171	110	174	184	96	203	173	157	173	228	153	130
Total Measles	496	805	2348	1484	596	191	273	119	32	36	31	8
Measles: laboratory confirmed cases*	20	76	460	302	138	35	98	19	13	22	18	6
Measles: other	476	729	1888	1182	458	156	175	100	19	14	13	2
Total Meningococcal disease	128	122	153	142	113	161	219	184	218	249	233	214
Meningococcal disease: type B*	0	3	7	7	23	36	54	55	95	93	92	104
Meningococcal disease: type C*	0	4	6	9	8	35	55	55	60	64	38	53
Meningococcal disease: type W135*	0	0	0	0	1	0	2	4	4	4	2	1
Meningococcal disease: type Y*	0	0	1	1	0	1	0	7	1	7	2	2
Meningococcal disease: other	128	115	139	125	81	89	108	63	58	81	99	54
Mumps*	8	23	13	11	14	27	29	39	33	92	28	29
Paratyphoid*	20	8	9	11	12	15	5	9	5	14	11	13
Pertussis	49	217	1533	1405	1369	1156	4249	2309	1414	3683	4436	2009
Pneumococcal disease (invasive)*						not notifiable until December 2000					739	870
Psittacosis*						not notifiable until December 2000					38	144
Q Fever*	167	213	404	267	201	287	258	236	164	130	142	305
Total Rubella*	60	324	1186	233	2376	636	153	78	46	191	58	35
Rubella*	59	324	1184	229	2375	631	153	78	45	191	58	35
Rubella (Congenital)*	1	0	2	4	1	5	0	0	1	0	0	0
Salmonella infections*	1171	802	980	1101	1365	1224	1698	1813	1438	1395	1643	2102
Shigellosis*						not notifiable until December 2000					134	85
Total Syphilis	582	875	733	968	834	663	512	612	585	581	544	649
Syphilis: <1 year duration*	1	3	6	29	133	72	57	45	89	81	66	127
Syphilis: congenital	1	1	0	2	6	3	3	0	3	2	1	1
Syphilis: other*	580	871	727	937	695	588	452	567	493	498	477	521
Tetanus	5	2	5	4	0	1	3	3	1	2	0	0
Tuberculosis*	430	394	389	393	443	410	422	382	484	447	415	446
Typhoid*	38	20	28	25	27	30	28	18	32	26	33	23
Verotoxin-producing <i>Escherichia coli</i> infections*						not notifiable until December 1996		0	2	0	1	5

No cases of the following diseases have been notified since 1991:
diphtheria*, *Granuloma inguinale**, *Lymphogranuloma venereum**, plague*, poliomyelitis*, rabies, typhus*, viral haemorrhagic fever, yellow fever.

* lab-confirmed cases only NOS = Not Otherwise Specified

TABLE 2

DISEASE NOTIFICATIONS BY MONTH OF ONSET OF ILLNESS, NSW, 2002

Conditions	Month of Onset											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
AIDS	3	8	8	7	4	7	6	8	4	5	6	7
Adverse event after immunisation	7	16	17	18	20	14	13	14	13	26	13	3
Total Arboviral infection*	49	49	75	151	111	64	29	24	26	21	30	28
Arboviral: Barmah Forest virus infections*	21	21	54	98	69	37	18	16	15	12	19	13
Arboviral: Ross River virus infections*	20	20	12	42	36	18	6	3	6	6	4	9
Arboviral: other*	8	8	9	11	6	9	5	5	5	3	7	6
Blood lead level ≥ 15 µg/dl*	29	26	34	25	52	41	46	65	25	42	40	99
Chlamydia trachomatis infections*	427	437	445	445	506	439	486	510	497	479	532	446
Cholera*	0	0	0	0	0	0	0	1	0	0	0	0
Cryptosporidiosis*	41	53	57	44	27	15	7	8	7	9	13	24
Food-borne illness(NOS)	28	320	11	125	2	11	34	2	7	37	79	95
Gastroenteritis (institutional)	55	210	58	26	164	375	945	1459	291	203	114	157
Giardiasis*	78	83	99	91	86	66	62	47	70	55	62	63
Gonorrhoea*	140	125	110	128	136	127	117	108	116	109	143	111
Total H.influenzae type b infection*	1	2	1	0	2	3	0	0	0	1	0	0
<i>H.influenzae type b</i> epiglottitis*	1	0	0	0	0	0	0	0	0	0	0	0
<i>H.influenzae type b</i> meningitis*	0	1	0	0	0	0	0	0	0	0	0	0
<i>H.influenzae type b</i> septicaemia*	0	0	1	0	1	0	0	0	0	1	0	0
<i>H.influenzae type b</i> infection (NOS)*	0	1	0	0	1	3	0	0	0	0	0	0
HIV infection*	36	30	39	33	27	23	34	30	32	37	42	26
Haemolytic uraemic syndrome	2	0	0	1	1	1	0	1	0	0	1	0
Hepatitis A*	18	19	15	12	20	5	6	13	6	18	8	9
Hepatitis B: acute viral*	8	7	8	5	8	8	10	11	8	3	6	5
Hepatitis B: other*	349	250	311	280	352	256	271	314	257	302	276	245
Hepatitis C: acute viral*	19	20	15	6	14	19	8	13	12	9	12	5
Hepatitis C: other*	691	593	558	540	636	457	527	530	521	535	528	437
Hepatitis D*	1	1	3	1	1	1	0	1	1	0	0	0
Hepatitis E*	0	0	0	1	1	1	1	2	0	0	0	0
Influenza*	5	11	7	16	39	156	271	319	110	45	14	18
Total Legionnaires' disease	6	5	6	5	6	3	6	1	0	4	2	1
Legionnaires' disease: <i>L. longbeachae</i> *	2	2	1	2	5	2	4	1	0	1	2	0
Legionnaires' disease: <i>L. pneumophila</i> *	4	3	5	3	1	1	2	0	0	2	0	1
Legionnaires' disease: other	0	0	0	0	0	0	0	0	0	1	0	0
Leprosy	0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis*	8	0	4	5	4	0	2	3	0	5	5	3
Listeriosis*	2	0	0	1	1	0	1	0	1	1	2	2
Malaria*	20	22	19	7	6	13	7	7	9	8	5	7
Total Measles	0	0	1	1	1	0	2	3	0	0	0	0
Measles: laboratory confirmed cases*	0	0	1	1	0	0	1	3	0	0	0	0
Measles: other	0	0	0	0	1	0	1	0	0	0	0	0
Total Meningococcal disease	10	10	10	12	24	25	25	28	24	16	15	15
Meningococcal disease: type B*	5	4	3	8	13	10	10	17	9	12	6	7
Meningococcal disease: type C*	2	2	2	2	8	7	5	5	8	3	4	5
Meningococcal disease: type W135*	0	0	0	0	0	0	0	0	0	0	1	0
Meningococcal disease: type Y*	0	0	0	0	0	0	1	0	1	0	0	0
Meningococcal disease: other	3	4	5	2	3	8	9	6	6	1	4	3
Mumps*	3	1	1	2	4	3	1	3	4	2	3	2
Paratyphoid*	2	1	2	0	0	0	2	0	1	3	1	1
Pertussis	261	189	170	143	184	122	130	126	151	175	186	172
Pneumococcal disease (invasive)*	37	33	45	42	68	117	112	102	108	83	62	61
Psittacosis*	0	1	4	2	6	47	27	31	17	3	3	3
Q Fever*	18	21	15	23	18	22	30	26	27	46	30	29
Rubella*	5	0	2	2	1	1	6	3	3	7	3	2
Salmonella infections*	227	271	239	271	155	83	85	108	80	181	186	216
Shigellosis*	5	9	8	6	6	6	12	10	3	6	11	3
Total Syphilis	46	48	42	52	61	49	60	51	56	52	73	59
Syphilis: <1 year duration*	6	7	8	7	7	7	10	8	13	19	17	18
Syphilis: congenital	0	0	0	0	0	0	0	0	0	0	1	0
Syphilis: other*	40	41	34	45	54	42	50	43	43	33	55	41
Tuberculosis*	52	40	38	42	36	37	37	30	35	36	38	25
Typhoid*	5	5	1	0	2	0	2	0	1	3	3	1
Verotoxin-producing <i>Escherichia coli</i> infections*	0	1	1	0	1	0	0	0	0	2	0	0

* Laboratory-confirmed cases only

NOS = Not Otherwise Specified

TABLE 3
DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE, CRUDE RATES PER 100,000 OF POPULATION, NSW, 2002

Conditions	CCA	CSA	FWA	GMA	HUN	ILL	MAC	MNC	MWA
AIDS	0.7	3.4	0.0	0.0	0.4	0.0	0.0	1.5	0.6
Adverse event after immunisation	4.9	2.6	8.3	3.1	4.6	1.7	0.0	1.1	6.5
Total Arboviral infection*	10.2	0.8	35.5	6.6	22.0	6.5	22.2	83.4	1.8
Arboviral: Barham Forest virus infections*	6.9	0.2	10.4	1.2	18.5	2.3	1.9	67.7	0.0
Arboviral: Ross River virus infections*	2.6	0.0	20.9	5.4	2.4	3.4	20.2	15.7	1.8
Arboviral: other*	0.7	0.6	4.2	0.0	1.1	0.8	0.0	0.0	0.0
Blood lead level ≥ 15µg/dl*	2.3	5.4	210.6	1.9	27.5	11.6	14.4	3.7	1.8
Chlamydia trachomatis infections*	56.0	137.7	194.0	70.7	84.3	58.1	64.5	62.8	92.8
Cholera*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Cryptosporidiosis*	1.0	3.4	2.1	5.8	1.3	6.2	5.8	8.2	0.0
Food-borne illness(NOS)	4.9	6.4	0.0	11.2	16.9	5.9	3.9	0.0	8.9
Gastroenteritis (institutional)	0.0	235.8	143.9	1.9	115.1	31.4	21.2	0.0	11.3
Giardiasis*	8.6	10.8	16.7	15.5	14.9	13.6	31.8	5.6	5.4
Gonorrhoea*	5.9	63.1	16.7	2.3	3.1	7.6	10.6	4.1	6.5
Total <i>H.influenzae</i> type b infection*	0.0	0.2	2.1	0.0	0.2	0.6	1.0	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	2.1	0.0	0.0	0.0	0.0	0.0	0.0
<i>H.influenzae</i> type b septicaemia*	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0
<i>H.influenzae</i> type b infection (NOS)*	0.0	0.0	0.0	0.0	0.2	0.3	1.0	0.0	0.0
HIV infection*	2.3	17.8	0.0	1.2	1.1	0.8	0.0	2.2	1.8
Haemolytic uraemic syndrome	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0
Hepatitis A*	1.6	6.8	2.1	0.0	0.9	0.8	1.0	2.6	1.2
Hepatitis B: acute viral*	0.3	1.6	0.0	1.2	2.6	2.5	2.9	2.2	1.2
Hepatitis B: other*	15.1	131.3	45.9	9.3	11.2	10.2	20.2	8.6	10.7
Hepatitis C: acute viral*	1.3	2.2	0.0	1.9	2.9	1.7	5.8	6.4	4.8
Hepatitis C: other*	87.6	136.5	56.3	47.5	68.9	71.4	77.1	108.0	82.1
Hepatitis D*	0.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0
Hepatitis E*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Influenza*	3.6	16.0	0.0	4.6	6.2	17.6	5.8	9.0	6.5
Total Legionnaires' disease	1.3	1.0	2.1	0.0	0.0	0.3	0.0	0.4	0.6
Legionnaires' disease: <i>L. longbeachae</i> *	1.3	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.6
Legionnaires' disease: <i>L. pneumophila</i> *	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.4	0.0
Legionnaires' disease: other	0.0	0.0	2.1	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*	0.3	0.2	0.0	0.8	1.3	0.3	1.9	4.5	0.0
Listeriosis*	0.3	0.4	0.0	0.4	0.0	0.3	0.0	0.0	0.0
Malaria*	2.3	2.4	0.0	0.4	3.1	1.1	1.9	0.4	0.6
Total Measles	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Measles: laboratory confirmed cases*	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	0.3	0.0	0.0	0.0
Total Meningococcal	2.0	1.6	0.0	1.9	4.8	4.8	3.9	1.9	2.4
Meningococcal disease: type B*	2.0	0.4	0.0	0.8	1.7	2.0	2.9	1.5	1.8
Meningococcal disease: type C*	0.0	0.0	0.0	1.2	2.2	1.7	0.0	0.4	0.0
Meningococcal disease: type W135*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease: type Y*	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Meningococcal disease: other	0.0	1.2	0.0	0.0	0.7	1.1	1.0	0.0	0.6
Mumps*	0.3	0.2	0.0	0.0	0.2	0.0	1.9	0.0	0.0
Paratyphoid*	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0
Pertussis	21.1	30.0	22.9	18.9	52.0	18.4	53.0	46.4	26.8
Pneumococcal disease (invasive)*	16.8	14.8	18.8	10.0	19.3	15.0	12.5	5.2	13.7
Psittacosis*	0.3	0.2	0.0	2.3	4.8	0.6	1.9	3.0	1.2
Q Fever*	0.7	0.0	43.8	2.3	2.6	1.4	80.0	12.3	19.6
Rubella*	0.0	0.2	0.0	0.0	0.0	0.3	3.9	1.5	0.0
Salmonella infections*	18.4	33.6	29.2	41.0	30.7	15.3	26.0	29.2	31.5
Shigellosis*	0.7	2.8	0.0	0.0	0.2	0.0	0.0	1.1	1.2
Total Syphilis	4.9	19.8	33.4	1.5	1.8	2.3	8.7	4.5	1.2
Syphilis: <1 year duration*	0.0	5.8	2.1	0.4	0.2	0.0	1.9	1.9	0.0
Syphilis: congenital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syphilis: other*	4.9	14.0	31.3	1.2	1.7	2.3	6.7	2.6	1.2
Tuberculosis*	1.3	13.8	0.0	0.4	2.6	4.2	1.9	2.2	1.2
Typhoid*	0.0	1.6	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Verotoxin-producing <i>Escherichia coli</i> infections*	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0

* lab-confirmed cases only

NOS = Not Otherwise Specified

Area health service population estimates 2002 and total population for NSW:

CCA = Central Coast Area (303 798); CSA = Central Sydney Area (499 592); FWA = Far West Area (47 949);

GMA = Greater Murray Area (258 731); HUN = Hunter Area (544 623); ILL = Illawarra Area (352 950);

MAC = Macquarie Area (103 807); MNC = Mid North Coast Area (267 493); MWA = Mid Western Area (168 030)

TABLE 3 continued
DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE, CRUDE RATES PER 100,000 OF POPULATION, NSW, 2002

Conditions	NEA	NRA	NSA	SA	SES	SWS	WEN	WSA	Total [#]
AIDS	1.7	1.9	0.5	0.0	3.1	0.4	0.3	0.7	1.1
Adverse event after immunisation	0.6	0.4	3.1	5.9	4.4	0.2	1.5	1.1	2.6
Total Arboviral infection*	16.2	25.5	2.7	15.0	2.7	0.6	0.9	1.3	10.0
Arboviral: Barham Forest virus infections*	4.0	16.7	0.3	4.8	0.0	0.2	0.6	0.3	6.0
Arboviral: Ross River virus infections*	11.0	8.1	0.0	8.0	0.3	0.1	0.0	0.0	2.8
Arboviral: other*	1.2	0.7	2.4	2.1	2.4	0.2	0.3	1.0	1.2
Blood lead level ≥ 15µg/dl*	1.2	3.0	2.2	1.1	3.1	4.7	5.9	7.3	8.0
Chlamydia trachomatis infections*	93.5	93.3	78.8	62.5	155.5	39.2	66.8	65.0	85.9
Cholera*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Cryptosporidiosis*	21.9	20.7	2.0	3.7	5.8	1.4	1.9	4.6	4.6
Food-borne illness(NOS)	0.0	12.2	21.7	6.4	0.0	0.5	21.6	0.0	11.4
Gastroenteritis (institutional)	0.0	0.0	73.1	173.1	78.3	0.0	49.8	47.4	61.7
Giardiasis*	21.9	7.0	18.1	4.3	18.5	6.7	11.1	14.7	13.1
Gonorrhoea*	12.7	11.1	11.9	1.6	82.9	10.9	7.7	14.8	22.3
Total <i>H.influenzae</i> type b infection*	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.3	0.2
<i>H.influenzae</i> type b epiglottitis*	0.0	0.0	0.0	0.0	0.1	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	0.0
<i>H.influenzae</i> type b septicaemia*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
<i>H.influenzae</i> type b infection (NOS)*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
HIV infection*	1.2	3.3	3.3	0.0	20.5	2.8	1.2	4.0	5.9
Haemolytic uraemic syndrome	0.6	0.0	0.0	0.0	0.1	0.1	0.3	0.0	0.1
Hepatitis A*	1.2	1.1	2.0	1.1	3.8	0.7	1.9	3.0	2.3
Hepatitis B: acute viral*	0.0	2.6	0.6	0.0	2.6	0.9	0.0	0.1	1.3
Hepatitis B: other*	14.4	9.3	49.6	10.7	56.3	110.4	17.9	90.1	52.6
Hepatitis C: acute viral*	2.3	0.7	1.7	1.6	5.5	1.0	1.2	0.0	2.3
Hepatitis C: other*	64.0	123.3	44.5	69.4	93.2	117.0	75.1	102.0	99.6
Hepatitis D*	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.2
Hepatitis E*	0.0	0.0	0.0	0.0	0.4	0.1	0.0	0.3	0.1
Influenza*	8.1	10.4	15.4	11.2	41.9	6.8	17.0	20.2	15.4
Total Legionnaires' disease	0.0	0.4	1.1	0.0	0.6	0.4	0.6	1.7	0.7
Legionnaires' disease: <i>L.longbeachae</i> *	0.0	0.0	0.6	0.0	0.3	0.2	0.3	0.7	0.3
Legionnaires' disease: <i>L.pneumophila</i> *	0.0	0.4	0.5	0.0	0.4	0.1	0.3	1.0	0.3
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*	4.0	1.1	0.0	1.1	0.0	0.1	0.0	0.0	0.6
Listeriosis*	0.0	0.0	0.1	0.0	0.5	0.1	0.0	0.0	0.2
Malaria*	2.9	2.2	3.3	3.2	2.2	1.2	0.9	1.7	2.0
Total Measles	0.0	1.1	0.0	0.0	0.0	0.1	0.3	0.1	0.1
Measles: laboratory confirmed cases*	0.0	1.1	0.0	0.0	0.0	0.1	0.3	0.0	0.1
Measles: other	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Total Meningococcal	5.2	2.2	2.0	2.1	4.9	2.0	4.0	5.0	3.3
Meningococcal disease: type B*	3.5	1.1	0.6	0.5	1.7	1.1	3.1	2.8	1.6
Meningococcal disease: type C*	0.0	0.7	0.4	0.0	1.8	0.5	0.0	1.0	0.8
Meningococcal disease: type W135*	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal disease: type Y*	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
Meningococcal disease: other	1.7	0.4	0.9	1.6	1.4	0.2	0.9	1.1	0.8
Mumps*	0.6	0.7	0.5	0.5	0.6	0.9	0.3	0.4	0.4
Paratyphoid*	0.0	0.0	0.0	0.0	0.9	0.1	0.0	0.4	0.2
Pertussis	44.4	33.7	39.2	32.0	32.7	16.8	12.7	27.8	30.5
Pneumococcal disease (invasive)*	1.7	2.2	12.9	9.1	14.9	11.5	15.5	15.9	13.2
Psittacosis*	1.2	1.5	0.0	2.1	0.4	0.5	24.1	0.1	2.2
Q Fever*	17.3	17.8	0.4	11.2	0.1	0.2	0.3	0.3	4.6
Rubella*	0.6	3.0	0.1	1.1	0.8	0.2	0.6	0.4	0.5
Salmonella infections*	35.2	86.6	29.1	25.1	31.8	30.3	33.4	28.0	32.0
Shigellosis*	0.6	0.4	1.7	0.5	2.2	1.5	1.2	1.6	1.3
Total Syphilis	8.7	3.3	6.2	4.8	17.4	20.7	2.5	9.0	9.9
Syphilis: <1 year duration*	5.2	1.1	1.7	0.5	7.2	0.0	0.0	0.7	1.9
Syphilis: congenital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Syphilis: other*	3.5	2.2	4.6	4.3	10.3	20.7	2.5	8.1	7.9
Tuberculosis*	0.6	2.2	6.5	1.1	9.5	11.1	2.8	14.1	6.8
Typhoid*	0.0	0.0	0.4	0.0	0.4	0.1	0.0	0.6	0.3
Verotoxin-producing <i>Escherichia coli</i> infections*	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.1

= includes cases with unknown PHU area

NEA = New England Area (173 313); NRA = Northern Rivers Area (270 162); NSA = North Sydney Area (784 131) ;
 SA = Southern Area (187 226); SES= South Eastern Sydney (780 190); SWS = South Western Sydney (810 789);
 WEN = Wentworth Area (323 477); WSA = Western Sydney Area (702 680); TOTAL = Total population in NSW (6 578 941)

TABLE 4

NUMBER OF DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE, NSW, 2002

Conditions	CCA	CSA	FWA	GMA	HUN	ILL	MAC	MNC	MWA
AIDS	2	17	0	0	2	0	0	4	1
Adverse event after immunisation	15	13	4	8	25	6	0	3	11
Total Arboviral infection*	31	4	17	17	120	23	23	223	3
Arboviral: Barmah Forest virus infections*	21	1	5	3	101	8	2	181	0
Arboviral: Ross River virus infections*	8	0	10	14	13	12	21	42	3
Arboviral: other*	2	3	2	0	6	3	0	0	0
Blood lead level ≥ 15µg/dl*	7	27	101	5	150	41	15	10	3
Chlamydia trachomatis infections*	170	688	93	183	459	205	67	168	156
Cholera*	0	0	0	0	0	0	0	0	0
Cryptosporidiosis*	3	17	1	15	7	22	6	22	0
Food-borne illness(NOS)	15	32	0	29	92	21	4	0	15
Gastroenteritis (institutional)	0	1178	69	5	627	111	22	0	19
Giardiasis*	26	54	8	40	81	48	33	15	9
Gonorrhoea*	18	315	8	6	17	27	11	11	11
Total <i>H.influenzae</i> type b infection*	0	1	1	0	1	2	1	0	0
<i>H.influenzae</i> type b epiglottitis*	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
<i>H.influenzae</i> type b septicaemia*	0	1	0	0	0	1	0	0	0
<i>H.influenzae</i> type b infection (NOS)*	0	0	0	0	1	1	1	0	0
HIV infection*	7	89	0	3	6	3	0	6	3
Haemolytic uraemic syndrome	0	0	0	0	3	0	0	0	0
Hepatitis A*	5	34	1	0	5	3	1	7	2
Hepatitis B: acute viral*	1	8	0	3	14	9	3	6	2
Hepatitis B: other*	46	656	22	24	61	36	21	23	18
Hepatitis C: acute viral*	4	11	0	5	16	6	6	17	8
Hepatitis C: other*	266	682	27	123	375	252	80	289	138
Hepatitis D*	1	0	0	0	2	0	0	0	0
Hepatitis E*	0	0	0	0	0	0	0	0	0
Influenza*	11	80	0	12	34	62	6	24	11
Total Legionnaires' disease	4	5	1	0	0	1	0	1	1
Legionnaires' disease: <i>L. longbeachae</i> *	4	1	0	0	0	1	0	0	1
Legionnaires' disease: <i>L. pneumophila</i> *	0	4	0	0	0	0	0	1	0
Legionnaires' disease: other	0	0	1	0	0	0	0	0	0
Leprosy	0	0	0	0	0	0	0	0	0
Leptospirosis*	1	1	0	2	7	1	2	12	0
Listeriosis*	1	2	0	1	0	1	0	0	0
Malaria*	7	12	0	1	17	4	2	1	1
Total Measles	0	0	0	0	0	1	0	0	0
Measles: laboratory confirmed cases*	0	0	0	0	0	0	0	0	0
Measles: other	0	0	0	0	0	1	0	0	0
Total Meningococcal disease	6	8	0	5	26	17	4	5	4
Meningococcal disease: type B*	6	2	0	2	9	7	3	4	3
Meningococcal disease: type C*	0	0	0	3	12	6	0	1	0
Meningococcal disease: type W135*	0	0	0	0	0	0	0	0	0
Meningococcal disease: type Y*	0	0	0	0	1	0	0	0	0
Meningococcal disease: other	0	6	0	0	4	4	1	0	1
Mumps*	1	1	0	0	1	0	2	0	0
Paratyphoid*	0	0	0	0	0	1	0	0	0
Pertussis	64	150	11	49	283	65	55	124	45
Pneumococcal disease (invasive)*	51	74	9	26	105	53	13	14	23
Psittacosis*	1	1	0	6	26	2	2	8	2
Q Fever*	2	0	21	6	14	5	83	33	33
Rubella*	0	1	0	0	0	1	4	4	0
Salmonella infections*	56	168	14	106	167	54	27	78	53
Shigellosis*	2	14	0	0	1	0	0	3	2
Total Syphilis	15	99	16	4	10	8	9	12	2
Syphilis: <1 year duration*	0	29	1	1	0	0	2	5	0
Syphilis: congenital	0	0	0	0	0	0	0	0	0
Syphilis: other*	15	70	15	3	9	8	7	7	2
Tuberculosis*	4	69	0	1	14	15	2	6	2
Typhoid*	0	8	0	0	0	2	0	0	0
Verotoxin-producing <i>Escherichia coli</i> infections*	0	0	0	0	1	0	0	0	0

TABLE 4 continued**NUMBER OF DISEASE NOTIFICATIONS BY AREA HEALTH SERVICE OF RESIDENCE, NSW, 2002**

Conditions	NEA	NRA	NSA	SA	SES	SWS	WEN	WSA	CHS	Total #
AIDS	3	5	4	0	24	3	1	5	0	73
Adverse event after immunisation	1	1	24	11	34	2	5	8	2	174
Total Arboviral infection*	28	69	21	28	21	5	3	9	0	657
Arboviral: Barmah Forest virus infections*	7	45	2	9	0	2	2	2	0	393
Arboviral: Ross River virus infections*	19	22	0	15	2	1	0	0	0	182
Arboviral: other*	2	2	19	4	19	2	1	7	0	82
Blood lead level ≥ 15µg/dl*	2	8	17	2	24	38	19	51	0	524
Chlamydia trachomatis infections*	162	252	618	117	1213	318	216	457	38	5649
Cholera*	0	0	0	0	0	1	0	0	0	1
Cryptosporidiosis*	38	56	16	7	45	11	6	32	1	305
Food-borne illness(NOS)	0	33	170	12	0	4	70	0	0	751
Gastroenteritis (institutional)	0	0	573	324	611	0	161	333	24	4057
Giardiasis*	38	19	142	8	144	54	36	103	0	862
Gonorrhoea*	22	30	93	3	647	88	25	104	11	1470
Total <i>H.influenzae</i> type b infection*	0	0	0	0	2	0	0	2	0	10
<i>H.influenzae</i> type b epiglottitis*	0	0	0	0	1	0	0	0	0	1
<i>H.influenzae</i> type b meningitis*	0	0	0	0	0	0	0	0	0	1
<i>H.influenzae</i> type b septicaemia*	0	0	0	0	0	0	0	1	0	3
<i>H.influenzae</i> type b infection (NOS)*	0	0	0	0	1	0	0	1	0	5
HIV infection*	2	9	26	0	160	23	4	28	0	389
Haemolytic uraemic syndrome	1	0	0	0	1	1	1	0	0	7
Hepatitis A*	2	3	16	2	30	6	6	21	1	149
Hepatitis B: acute viral*	0	7	5	0	20	7	0	1	0	87
Hepatitis B: other*	25	25	389	20	439	895	58	633	57	3463
Hepatitis C: acute viral*	4	2	13	3	43	8	4	0	1	152
Hepatitis C: other*	111	333	349	130	727	949	243	717	701	6553
Hepatitis D*	0	0	0	0	1	0	0	3	3	10
Hepatitis E*	0	0	0	0	3	1	0	2	0	6
Influenza*	14	28	121	21	327	55	55	142	0	1011
Total Legionnaires' disease	0	1	9	0	5	3	2	12	0	45
Legionnaires' disease: <i>L. longbeachae</i> *	0	0	5	0	2	2	1	5	0	22
Legionnaires' disease: <i>L. pneumophila</i> *	0	1	4	0	3	1	1	7	0	22
Legionnaires' disease: other	0	0	0	0	0	0	0	0	0	1
Leprosy	0	0	0	0	0	0	0	0	0	0
Leptospirosis*	7	3	0	2	0	1	0	0	0	39
Listeriosis*	0	0	1	0	4	1	0	0	0	11
Malaria*	5	6	26	6	17	10	3	12	0	130
Total Measles	0	3	0	0	0	1	1	1	0	8
Measles: laboratory confirmed cases*	0	3	0	0	0	1	1	0	0	6
Measles: other	0	0	0	0	0	0	0	1	0	2
Total Meningococcal disease	9	6	16	4	38	16	13	35	0	214
Meningococcal disease: type B*	6	3	5	1	13	9	10	20	0	104
Meningococcal disease: type C*	0	2	3	0	14	4	0	7	0	53
Meningococcal disease: type W135*	0	0	1	0	0	0	0	0	0	1
Meningococcal disease: type Y*	0	0	0	0	0	1	0	0	0	2
Meningococcal disease: other	3	1	7	3	11	2	3	8	0	54
Mumps*	1	2	4	1	5	7	1	3	0	29
Paratyphoid*	0	0	0	0	7	1	0	3	0	13
Pertussis	77	91	307	60	255	136	41	195	0	2009
Pneumococcal disease (invasive)*	3	6	101	17	116	93	50	112	2	870
Psittacosis*	2	4	0	4	3	4	78	1	0	144
Q Fever*	30	48	3	21	1	2	1	2	0	305
Rubella*	1	8	1	2	6	2	2	3	0	35
Salmonella infections*	61	234	228	47	248	246	108	197	0	2102
Shigellosis*	1	1	13	1	17	12	4	11	0	85
Total Syphilis	15	9	49	9	136	168	8	63	12	649
Syphilis: <1 year duration*	9	3	13	1	56	0	0	5	1	127
Syphilis: congenital	0	0	0	0	0	0	0	1	0	1
Syphilis: other*	6	6	36	8	80	168	8	57	11	521
Tuberculosis*	1	6	51	2	74	90	9	99	0	446
Typhoid*	0	0	3	0	3	1	0	4	0	23
Verotoxin-producing <i>Escherichia coli</i> infections*	0	0	0	0	0	0	1	3	0	5

= includes cases with unknown PHU area

TABLE 5

NUMBER OF DISEASE NOTIFICATIONS, BY AGE AND SEX OF THE CASE, NSW, 2002

Conditions	0-04 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	Total#
AIDS	0	0	0	0	45	2	24	0	1	0	70	2	73
Adverse event after immunisation	58	48	15	20	3	8	4	10	2	6	82	92	174
Total Arboviral infection*	4	3	36	35	129	138	110	123	40	37	319	336	657
Arboviral: Barham Forest virus infections*	2	3	16	18	73	79	76	82	19	23	186	205	393
Arboviral: Ross River virus infections*	0	0	8	8	38	39	21	35	19	14	86	96	182
Arboviral: other*	2	0	12	9	18	20	13	6	2	0	47	35	82
Blood lead level ≥ 15µg/dl*	28	24	72	5	235	5	137	7	8	2	480	43	524
Chlamydia trachomatis infections*	10	11	899	1896	1396	1113	215	63	15	18	2535	3101	5649
Cholera*	0	1	0	0	0	0	0	0	0	0	0	1	1
Cryptosporidiosis*	76	51	53	38	32	24	14	8	4	5	179	126	305
Food-borne illness(NOS)	0	0	0	0	0	0	0	0	0	0	0	0	0
Gastroenteritis (institutional)	0	0	0	0	0	0	0	0	0	0	0	0	0
Giardiasis*	134	120	77	65	157	142	61	51	24	27	453	405	862
Gonorrhoea*	2	2	232	70	922	76	135	12	9	6	1300	166	1470
Total <i>H.influenzae</i> type b infection*	0	2	1	1	1	2	0	0	1	2	3	7	10
<i>H.influenzae</i> type b epiglottitis*	0	0	0	0	1	0	0	0	0	0	1	0	1
<i>H.influzenae</i> type b meningitis*	0	1	0	0	0	0	0	0	0	0	0	1	1
<i>H.influzenae</i> type b septicaemia*	0	0	0	0	0	2	0	0	0	0	1	0	3
<i>H.influzenae</i> type b infection (NOS)*	0	1	1	1	0	0	0	0	1	1	2	3	5
HIV infection*	0	1	22	3	262	22	55	3	6	1	345	30	389
Haemolytic uraemic syndrome	0	1	1	1	1	2	0	0	0	0	4	3	7
Hepatitis A*	1	2	31	14	45	18	15	10	3	9	95	53	149
Hepatitis B: acute viral*	1	0	16	12	34	8	11	1	3	0	65	21	87
Hepatitis B: other*	11	10	263	293	1105	855	470	299	76	61	1925	1518	3463
Hepatitis C: acute viral*	1	2	17	34	54	30	8	4	1	0	81	70	152
Hepatitis C: other*	26	20	671	542	2557	1388	780	375	85	86	4119	2411	6553
Hepatitis D*	1	0	2	0	4	1	2	0	0	0	9	1	10
Hepatitis E*	0	0	0	0	2	1	3	0	0	0	5	1	6
Influenza*	253	167	124	96	39	63	53	63	78	73	547	462	1011
Total Legionnaires' disease	0	0	0	0	5	1	14	4	12	9	31	14	45
Legionnaires' disease: <i>L. longbeachae</i> *	0	0	0	0	0	0	6	2	8	6	14	8	22
Legionnaires' disease: <i>L. pneumophila</i> *	0	0	0	0	5	1	7	2	4	3	16	6	22
Legionnaires' disease: other	0	0	0	0	0	0	1	0	0	0	1	0	1
Leprosy	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis*	0	0	3	1	13	3	14	3	2	0	32	7	39
Listeriosis*	0	0	0	0	0	1	0	1	5	4	5	6	11
Malaria*	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Measles	0	2	4	1	1	0	0	0	0	0	0	5	3
Measles: laboratory confirmed cases*	0	1	3	1	1	0	0	0	0	0	4	2	6
Measles: other	0	1	1	0	0	0	0	0	0	0	1	1	2
Total Meningococcal	34	23	59	45	15	11	10	7	5	4	123	90	214
Meningococcal disease: type B*	24	19	25	18	6	1	3	3	3	2	61	43	104
Meningococcal disease: type C*	3	3	20	12	3	4	3	3	2	0	31	22	53
Meningococcal disease: type W135*	0	0	0	0	0	0	1	0	0	0	1	0	1
Meningococcal disease: type Y*	0	0	0	0	0	1	0	0	0	1	0	2	2
Meningococcal disease: other	7	1	14	15	6	5	3	1	0	1	30	23	54
Mumps*	1	1	4	5	4	7	3	2	1	1	13	16	29
Paratyphoid*	0	1	1	5	1	3	2	0	0	0	4	9	13
Pertussis	112	91	382	407	214	309	156	228	39	67	903	1102	2009
Pneumococcal disease (invasive)*	163	102	47	25	58	47	93	61	136	138	497	373	870
Psittacosis*	1	2	1	6	16	14	48	27	17	12	83	61	144
Q Fever*	0	1	30	14	86	38	96	18	21	0	233	71	305
Rubella*	0	0	14	8	12	0	1	0	0	0	27	8	35
Salmonella infections*	321	266	324	326	210	239	121	128	68	92	1044	1051	2102
Shigellosis*	6	3	9	8	18	18	12	5	4	1	49	35	85
Total Syphilis	2	3	17	27	198	92	156	32	70	44	443	198	649
Syphilis: <1 year duration*	0	1	8	9	80	8	21	0	0	0	109	18	127
Syphilis: congenital	1	0	0	0	0	0	0	0	0	0	1	0	1
Syphilis: other*	1	2	9	18	118	84	135	32	70	44	333	180	521
Tuberculosis*	2	5	24	37	80	98	57	42	58	43	221	225	446
Typhoid*	0	3	4	2	5	3	1	1	0	3	10	12	23
Verotoxin-producing <i>Escherichia coli</i> infections*	1	0	0	1	0	0	0	1	0	1	1	3	5

* Laboratory-confirmed cases only

NOS = Not Otherwise Specified

= includes cases with unknown age and sex

TABLE 6

REPORTED DEATHS OF RESIDENTS BY YEAR OF ONSET OF ILLNESS, NSW, 1991 TO 2002

Conditions	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
AIDS	344	330	379	423	355	272	125	69	64	70	38	25
Adverse event after immunisation	0	1	0	1	0	2	1	0	1	1	2	1
Total Arboviral infection*	0	1	0	0	0	0	0	0	0	0	1	0
Arboviral: Ross River virus infections*	0	1	0	0	0	0	0	0	0	0	1	0
Blood lead level $\geq 15\mu\text{g}/\text{dl}^*$							not notifiable until December 1996	2	0	0	0	0
Chlamydia trachomatis infections*							not notifiable until August 1998		0	0	0	1
Food-borne illness (NOS)	1	0	1	0	0	0	0	0	0	0	0	0
Gastroenteritis (institutional)	0	1	2	0	1	0	0	1	0	2	1	15
Giardiasis*							not notifiable until August 1998		0	1	0	0
Gonorrhoea*	0	1	0	0	0	0	0	1	0	0	0	0
Total <i>H.influenzae</i> type b infection*	4	4	4	1	0	2	0	0	0	1	1	0
<i>H.influenzae</i> type b epiglottitis*	0	1	0	0	0	0	0	0	0	1	0	0
<i>H.influenzae</i> type b meningitis*	2	3	3	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
<i>H.influenzae</i> type b infection (NOS)*	2	0	1	0	0	0	0	0	0	0	1	0
Haemolytic uraemic syndrome							not notifiable until December 1996	0	0	1	1	0
Hepatitis A*	2	1	0	0	0	0	0	2	0	0	0	1
Total Hepatitis B*	1	5	6	1	1	1	1	1	1	1	4	1
Hepatitis B: acute viral*	0	0	1	0	0	0	0	0	0	0	0	0
Hepatitis B: other*	1	5	5	1	1	1	1	1	1	1	4	1
Total Hepatitis C*	4	11	4	6	8	15	23	11	17	20	18	10
Hepatitis C: acute viral*	0	1	0	0	0	0	0	0	0	0	2	0
Hepatitis C: other*	4	10	4	6	8	15	23	11	17	20	16	10
Hepatitis E*	0	0	0	0	0	0	0	0	0	0	1	0
Total Legionnaires' disease	6	12	8	8	7	9	2	6	4	2	3	1
Legionnaires' disease: <i>L. longbeachae</i> *	0	1	2	0	1	1	0	5	1	1	1	1
Legionnaires' disease: <i>L. pneumophila</i> *	1	10	5	3	4	6	2	0	2	1	2	0
Legionnaires' disease: other	5	1	1	5	2	2	0	1	1	0	0	0
Leptospirosis*	0	0	0	0	0	0	1	0	0	0	0	1
Listeriosis*	0	0	2	2	2	9	1	5	4	4	3	1
Malaria*	0	1	0	0	0	0	0	0	0	0	0	1
Total Measles	1	2	0	0	0	0	0	0	0	0	0	0
Measles: laboratory confirmed cases*	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
Total Meningococcal	3	8	11	15	7	7	7	17	14	14	7	19
Meningococcal disease: type B*	0	0	1	1	3	0	4	2	7	6	2	8
Meningococcal disease: type C*	0	0	1	1	0	2	2	10	4	4	5	10
Meningococcal disease: type W135*	0	0	0	0	0	0	0	0	1	0	0	0
Meningococcal disease: type Y*	0	0	0	0	0	0	0	1	0	1	0	0
Meningococcal disease: other	3	8	9	13	4	5	1	4	2	3	0	1
Pertussis	0	0	0	0	2	2	3	1	1	2	0	0
Pneumococcal disease (invasive)*							not notifiable until December 2000			6	99	
Psittacosis*							not notifiable until December 2000			1	1	
Q Fever*	0	0	0	1	0	1	0	0	2	0	0	1
Salmonella infections*	1	0	0	0	4	4	4	3	3	1	2	3
Total Syphilis	0	0	0	1	1	0	1	0	1	2	1	0
Syphilis: <1 year duration*	0	0	0	0	0	0	0	0	0	0	0	1
Syphilis: congenital	0	0	0	1	1	0	0	0	0	1	0	0
Syphilis: other*	0	0	0	0	0	0	1	0	1	1	1	0
Tetanus	0	0	1	0	0	0	0	0	0	0	0	0
Tuberculosis*	10	26	31	25	23	16	21	25	29	40	33	37

* lab-confirmed cases only

NOS = Not Otherwise Specified