

Communicable diseases surveillance

Tables

National Notifiable Diseases Surveillance System

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 54,806 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 April and 30 June 2012 (Table 2). The notification rate of diseases per 100,000 population for each state or territory is presented in Table 3.

Table 1: Reporting of notifiable diseases by jurisdiction

Disease	Data received from:
Bloodborne diseases	
Hepatitis (NEC)	All jurisdictions
Hepatitis B (newly acquired)	All jurisdictions
Hepatitis B (unspecified)	All jurisdictions
Hepatitis C (newly acquired)	All jurisdictions except Queensland
Hepatitis C (unspecified)	All jurisdictions
Hepatitis D	All jurisdictions
Gastrointestinal diseases	
Botulism	All jurisdictions
Campylobacteriosis	All jurisdictions except New South Wales
Cryptosporidiosis	All jurisdictions
Haemolytic uraemic syndrome	All jurisdictions
Hepatitis A	All jurisdictions
Hepatitis E	All jurisdictions
Listeriosis	All jurisdictions
STEC, VTEC*	All jurisdictions
Salmonellosis	All jurisdictions
Shigellosis	All jurisdictions
Typhoid	All jurisdictions
Quarantinable diseases	
Cholera	All jurisdictions
Highly pathogenic avian influenza in humans	All jurisdictions
Plague	All jurisdictions
Rabies	All jurisdictions
Severe acute respiratory syndrome	All jurisdictions
Smallpox	All jurisdictions
Viral haemorrhagic fever	All jurisdictions
Yellow fever	All jurisdictions
Sexually transmissible infections	
Chlamydial infection	All jurisdictions
Donovanosis	All jurisdictions
Gonococcal infection	All jurisdictions
Syphilis - congenital	All jurisdictions
Syphilis <2 years duration	All jurisdictions
Syphilis >2 years or unspecified duration	All jurisdictions except South Australia

Table 1: Reporting of notifiable diseases by jurisdiction, continued

Disease	Data received from:
Vaccine preventable diseases	
Diphtheria	All jurisdictions
<i>Haemophilus influenzae</i> type b	All jurisdictions
Influenza (laboratory confirmed)	All jurisdictions
Measles	All jurisdictions
Mumps	All jurisdictions
Pertussis	All jurisdictions
Pneumococcal disease (invasive)	All jurisdictions
Poliomyelitis	All jurisdictions
Rubella	All jurisdictions
Rubella - congenital	All jurisdictions
Tetanus	All jurisdictions
Varicella zoster (chickenpox)	All jurisdictions except New South Wales
Varicella zoster (shingles)	All jurisdictions except New South Wales
Varicella zoster (unspecified)	All jurisdictions except New South Wales
Vectorborne diseases	
Arbovirus infection (NEC)	All jurisdictions
Barmah Forest virus infection	All jurisdictions
Dengue virus infection	All jurisdictions
Japanese encephalitis virus infection	All jurisdictions
Kunjin virus infection	All jurisdictions
Malaria	All jurisdictions
Murray Valley encephalitis virus infection	All jurisdictions
Ross River virus infection	All jurisdictions
Zoonoses	
Anthrax	All jurisdictions
Australian bat lyssavirus	All jurisdictions
Brucellosis	All jurisdictions
Leptospirosis	All jurisdictions
Lyssavirus (NEC)	All jurisdictions
Ornithosis	All jurisdictions
Q fever	All jurisdictions
Tularaemia	All jurisdictions
Other bacterial infections	
Legionellosis	All jurisdictions
Leprosy	All jurisdictions
Meningococcal infection	All jurisdictions
Tuberculosis	All jurisdictions

* Infections with Shiga-like toxin (verotoxin) producing *Escherichia coli* (STEC/VTEC).

NEC Not elsewhere classified.

Table 2: Notifications of diseases received by state and territory health authorities, 1 April to 30 June 2012, by date of diagnosis

Disease	State or territory								Total 2nd quarter 2012	Total 1st quarter 2012	Total 2nd quarter 2011	Last 5 years mean 2nd quarter	Ratio	Year to date 2012	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA							
Bloodborne diseases															
Hepatitis (NEC)	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Hepatitis B (newly acquired)*	0	6	3	9	2	1	10	3	34	51	45	62.0	0.5	85	125.6
Hepatitis B (unspecified)†	35	570	42	179	89	17	468	195	1,595	1,664	1,621	1,659.4	1.0	3,259	3,385.6
Hepatitis C (newly acquired)*,‡	2	8	0	NN	16	3	41	25	95	102	97	98.4	1.0	197	195.8
Hepatitis C (unspecified)†	37	797	33	555	89	61	508	225	2,305	2,588	2,462	2,704.6	0.9	4,893	5,488.2
Hepatitis D	0	1	0	0	0	0	4	1	6	6	12	10.4	0.6	12	19.8
Gastrointestinal diseases															
Botulism	0	0	0	0	0	0	0	0	0	0	1	0.2	0.0	0	0.6
Campylobacteriosis§	108	NN	39	939	442	164	1,217	359	3,268	4,797	4,023	3,713.4	0.9	8,065	8,254.4
Cryptosporidiosis	6	235	71	364	43	12	161	26	918	1,446	470	623.2	1.5	2,364	1,803.2
Haemolytic uraemic syndrome	0	4	0	1	0	0	0	0	5	5	1	3.6	1.4	10	8.8
Hepatitis A	0	9	1	6	0	0	14	6	36	45	32	74.6	0.5	81	143.8
Hepatitis E	1	3	0	1	0	0	3	0	8	15	9	9.4	0.9	23	22.0
Listeriosis	0	10	0	1	1	1	7	1	21	26	19	14.6	1.4	47	39.8
STEC, VTEC	2	5	0	2	12	1	1	0	23	36	16	16.4	1.4	59	49.2
Salmonellosis	62	575	119	617	223	47	556	264	2,463	3,956	2,601	2,401.8	1.0	6,419	6,101.2
Shigellosis	2	22	16	21	16	1	26	13	117	191	100	142.0	0.8	308	325.8
Typhoid	0	11	1	1	1	0	6	0	20	56	24	23.6	0.8	76	63.0
Quarantinable diseases															
Cholera	0	1	0	1	2	0	0	0	4	0	4	1.2	3.3	4	2.2
Highly pathogenic avian influenza in humans	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Plague	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Rabies	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Severe acute respiratory syndrome	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Smallpox	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Viral haemorrhagic fever	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Yellow fever	0	0	0	0	0	0	0	0	0	0	2	0.0	0.0	0	0.0

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 April to 30 June 2012, by date of diagnosis

Disease	State or territory								Total 2nd quarter 2012	Total 1st quarter 2012	Total 2nd quarter 2011	Last 5 years mean 2nd quarter	Ratio	Year to date 2012	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA							
Sexually transmissible infections															
Chlamydia infection**	319	5,158	675	4,610	1,231	439	4,992	2,924	20,348	22,480	20,211	16,801.8	1.2	42,828	33,469.4
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	0.4	0.0	0	1.0
Gonococcal infection**	22	1,037	369	670	175	6	649	521	3,449	3,612	3,080	2,430.6	1.4	7,061	4,723.6
Syphilis – congenital**	0	0	0	1	0	0	0	0	1	0	0	1.2	0.8	1	2.8
Syphilis < 2 years duration**	2	98	6	88	27	5	122	20	368	360	300	340.2	1.1	728	682.6
Syphilis > 2 years or unspecified duration**	5	40	16	57	NN	8	127	22	275	308	299	329.2	0.8	583	661.2
Vaccine preventable diseases															
Diphtheria	0	0	0	0	0	0	0	0	0	0	4	0.8	0.0	0	0.8
<i>Haemophilus influenzae</i> type b	0	0	0	1	1	1	0	1	4	3	5	6.8	0.6	7	11.0
Influenza (laboratory confirmed)	133	2,399	150	1,704	1,399	59	802	694	7,340	1,265	4,124	4,269.6	1.7	8,605	5,146.8
Measles	0	22	0	3	0	0	5	1	31	9	30	16.6	1.9	40	58.2
Mumps	0	49	0	6	2	0	5	5	67	39	38	51.0	1.3	106	111.4
Pertussis	91	1,359	87	1,593	224	268	950	755	5,327	7,198	8,020	4,825.6	1.1	12,525	10,280.8
Pneumococcal disease (invasive)	5	184	23	81	36	12	99	61	501	231	550	437.8	1.1	732	646.2
Poliovirus	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Rubella	1	2	0	3	0	0	1	1	8	13	14	11.4	0.7	21	23.4
Rubella – congenital	0	0	0	0	0	1	0	0	1	0	0	0.4	2.5	1	0.4
Tetanus	0	0	0	0	0	0	0	0	0	1	2	0.6	0.0	1	2.2
Varicella zoster (chickenpox) ^{††}	3	NN	34	59	98	9	178	72	453	399	406	364.4	1.2	852	699.0
Varicella zoster (shingles) ^{††}	13	NN	38	16	432	64	256	284	1,103	1,069	900	645.4	1.7	2,172	1,351.0
Varicella zoster (unspecified) ^{††}	29	NN	1	1,066	36	23	651	245	2,051	2,078	1,775	1,398.0	1.5	4,129	2,856.8
Vectorborne diseases															
Arbovirus infection (NEC)	0	0	0	2	1	0	0	0	3	3	6	3.0	1.0	6	7.6
Barmah Forest virus infection	0	78	15	192	4	0	9	34	332	451	395	436.2	0.8	783	1,059.8
Dengue virus infection	5	65	10	85	14	3	87	143	412	689	122	153.0	2.7	1,101	510.0
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	1	0	0.0	0.0	1	0.0
Kunjin virus infection ^{††}	0	0	0	0	0	0	0	0	0	0	1	0.4	0.0	0	1.0
Malaria	0	16	1	25	0	0	19	9	70	72	89	120.8	0.6	142	243.2
Murray Valley encephalitis virus infection ^{††}	0	0	0	0	0	0	0	0	0	1	7	2.0	0.0	1	4.2
Ross River virus infection	5	217	62	553	59	3	107	204	1,210	2,293	990	1,367.0	0.9	3,503	3,412.2

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 April to 30 June 2012, by date of diagnosis

Disease	State or territory							Total 2nd quarter 2012	Total 1st quarter 2012	Total 2nd quarter 2011	Last 5 years mean 2nd quarter	Ratio	Year to date 2012	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas	Vic							
Zoonoses														
Anthrax	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0.4
Australian bat lyssavirus	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0.0
Brucellosis	0	1	0	0	0	0	0	0	1	7	11	8.6	8	17.8
Leptospirosis	0	9	0	35	0	0	2	0	46	45	51	39.8	91	101.0
Lyssavirus (NEC)	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0.0
Ornithosis	0	3	0	0	0	0	10	0	13	11	17	20.4	24	40.2
Q fever	0	22	1	45	3	0	3	1	75	102	77	88.0	177	183.8
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0.0	0	1.0
Other bacterial infections														
Legionellosis	0	25	0	14	9	2	22	14	86	95	103	89.0	181	158.4
Leprosy	0	0	0	0	0	0	1	0	1	0	3	2.4	1	4.8
Meningococcal infection ^{§§}	0	23	3	12	13	2	9	6	68	32	57	59.8	100	107.2
Tuberculosis	5	69	7	35	17	2	74	35	244	288	280	267.6	532	555.4
Total	893	13,133	1,823	13,653	4,717	1,215	12,202	7,170	54,806	58,139	53,506		112,945	

* Newly acquired hepatitis includes cases where the infection was determined to be acquired within 24 months prior to diagnosis.

† Unspecified hepatitis and syphilis includes cases where the duration of infection could not be determined.

‡ In Queensland, includes incident hepatitis cases.

§ Not notifiable in New South Wales.

|| Infections with Shiga-like toxin (verotoxin) producing *Escherichia coli* (STEC/VTEC).

¶ Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral, throat and eye samples, except for South Australia, which reports only genital tract specimens. The Northern Territory and Western Australia, exclude ocular infections.

** In the national case definitions for chlamydial, gonococcal and syphilis infections the mode of transmission cannot be inferred from the site of infection. Transmission (especially in children) may be by a non-sexual mode (e.g. perinatal infections, epidemic gonococcal conjunctivitis).

†† Ratio of current quarter total to the mean of last 5 years for the same quarter. Ratios for varicella zoster (chickenpox), varicella zoster (shingles) and varicella zoster (unspecified) are based on 4 years of data.

‡‡ In the Australian Capital Territory, Murray Valley encephalitis virus infection and Kunjin virus infection are combined under Murray Valley encephalitis virus infection.

§§ Only invasive meningococcal disease is nationally notifiable. However, New South Wales, the Australian Capital Territory and South Australia also report conjunctival cases.

NN Not notifiable.

NEC Not elsewhere classified.

NDP No data provided.

Table 3: Notification rates of diseases, 1 April to 30 June 2012, by state or territory. (Annualised rate per 100,000 population)

Disease	State or territory								
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	Aust
Bloodborne diseases									
Hepatitis (NEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis B (newly acquired)*	0.0	0.3	5.2	0.8	0.5	0.8	0.7	0.5	0.6
Hepatitis B (unspecified)†	38.3	31.2	72.9	15.6	21.5	13.3	33.3	33.2	28.2
Hepatitis C (newly acquired)*	2.2	0.4	0.0	NN	3.9	2.4	2.9	4.3	2.1
Hepatitis C (unspecified)†‡	40.5	43.7	57.3	48.5	21.5	47.8	36.1	38.3	40.8
Hepatitis D	0.0	0.1	0.0	0.0	0.0	0.0	0.3	0.2	0.1
Gastrointestinal diseases									
Botulism	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campylobacteriosis§	118.2	NN	67.7	82.0	106.7	128.5	86.6	61.1	85.3
Cryptosporidiosis	6.6	12.9	123.3	31.8	10.4	9.4	11.5	4.4	16.2
Haemolytic uraemic syndrome	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Hepatitis A	0.0	0.5	1.7	0.5	0.0	0.0	1.0	1.0	0.6
Hepatitis E	1.1	0.2	0.0	0.1	0.0	0.0	0.2	0.0	0.1
Listeriosis	0.0	0.5	0.0	0.1	0.2	0.8	0.5	0.2	0.4
STEC, VTEC¶	2.2	0.3	0.0	0.2	2.9	0.8	0.1	0.0	0.4
Salmonellosis	67.8	31.5	206.6	53.9	53.9	36.8	39.6	44.9	43.6
Shigellosis	2.2	1.2	27.8	1.8	3.9	0.8	1.9	2.2	2.1
Typhoid fever	0.0	0.6	1.7	0.1	0.2	0.0	0.4	0.0	0.4
Quarantinable diseases									
Cholera	0.0	0.1	0.0	0.1	0.5	0.0	0.0	0.0	0.1
Human pathogenic avian influenza in humans	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Plague	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rabies	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Severe acute respiratory syndrome	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Smallpox	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Viral haemorrhagic fever	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Yellow fever	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sexually transmitted infections									
Chlamydial infection¶.***	349.0	282.5	1,172.0	402.6	297.3	344.0	355.2	497.8	359.9
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection**	24.1	56.8	640.7	58.5	42.3	4.7	46.2	88.7	61.0
Syphilis – congenital**	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Syphilis < 2 years duration**	2.2	5.4	10.4	7.7	6.5	3.9	8.7	3.4	6.5
Syphilis > 2 years or unspecified duration†.***	5.5	2.2	27.8	5.0	NN	6.3	9.0	3.7	5.2
Vaccine preventable diseases									
Diphtheria	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<i>Haemophilus influenzae</i> type b	0.0	0.0	0.0	0.1	0.2	0.8	0.0	0.2	0.1
Influenza (laboratory confirmed)	145.5	131.4	260.5	148.8	337.9	46.2	57.1	118.2	129.8
Measles	0.0	1.2	0.0	0.3	0.0	0.0	0.4	0.2	0.5
Mumps	0.0	2.7	0.0	0.5	0.5	0.0	0.4	0.9	1.2
Pertussis	99.6	74.4	151.1	139.1	54.1	210.0	67.6	128.5	94.2
Pneumococcal disease (invasive)	5.5	10.1	39.9	7.1	8.7	9.4	7.0	10.4	8.9
Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	1.1	0.1	0.0	0.3	0.0	0.0	0.1	0.2	0.1
Rubella – congenital	0.0	0.0	0.0	0.0	0.0	0.8	0.0	0.0	0.0
Tetanus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 continued: Notification rates of diseases, 1 April to 30 June 2012, by state or territory. (Annualised rate per 100,000 population)

Disease	State or territory								
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	Aust
Varicella zoster (chickenpox)	3.3	NN	59.0	5.2	23.7	7.1	12.7	12.3	11.8
Varicella zoster (shingles)	14.2	NN	66.0	1.4	104.3	50.1	18.2	48.4	28.8
Varicella zoster (unspecified)	31.7	NN	1.7	93.1	8.7	18.0	46.3	41.7	53.6
Vectorborne diseases									
Arbovirus infection (NEC)	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.1
Barmah Forest virus infection	0.0	4.3	26.0	16.8	1.0	0.0	0.6	5.8	5.9
Dengue virus infection	5.5	3.6	17.4	7.4	3.4	2.4	6.2	24.3	7.3
Japanese encephalitis virus infection	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Kunjin virus infection ^{††}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Malaria	0.0	0.9	1.7	2.2	0.0	0.0	1.4	1.5	1.2
Murray Valley encephalitis virus infection ^{††}	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ross River virus infection	5.5	11.9	107.7	48.3	14.2	2.4	7.6	34.7	21.4
Zoonoses									
Anthrax	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Australia bat lyssavirus	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brucellosis	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Leptospirosis	0.0	0.5	0.0	3.1	0.0	0.0	0.1	0.0	0.8
Lyssavirus (NEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ornithosis	0.0	0.2	0.0	0.0	0.0	0.0	0.7	0.0	0.2
Q fever	0.0	1.2	1.7	3.9	0.7	0.0	0.2	0.2	1.3
Tularaemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other bacterial diseases									
Legionellosis	0.0	1.4	0.0	1.2	2.2	1.6	1.6	2.4	1.5
Leprosy	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Meningococcal infection ^{††}	0.0	1.3	5.2	1.0	3.1	1.6	0.6	1.0	1.2
Tuberculosis	5.5	3.8	12.2	3.1	4.1	1.6	5.3	6.0	4.3

* Newly acquired hepatitis includes cases where the infection was determined to be acquired within 24 months prior to diagnosis.

† Unspecified hepatitis and syphilis includes cases where the duration of infection could not be determined.

‡ In Queensland, includes incident hepatitis C cases.

§ Not notifiable in New South Wales.

|| Infection with Shiga toxin/verotoxin-producing *Escherichia coli* (STEC/VTEC).

¶ Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral, throat and eye samples, except for South Australia, which reports only genital tract specimens; the Northern Territory and Western Australia exclude ocular infections.

** In the national case definitions for chlamydial, gonococcal and syphilis infections the mode of transmission cannot be inferred from the site of infection. Transmission (especially in children) may be by a non-sexual mode (e.g. perinatal infections, epidemic gonococcal conjunctivitis).

†† In the Australian Capital Territory, Murray Valley encephalitis virus infection and Kunjin virus infection are combined under Murray Valley encephalitis virus infection.

‡‡ Only invasive meningococcal disease is nationally notifiable. However, New South Wales, the Australian Capital Territory and South Australia also report conjunctival cases.

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