

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 57,857 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 January and 31 March 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 January to 31 March 2012, by date of diagnosis

Disease	State or territory								Total 1st quarter 2012	Total 4th quarter 20%*	Total 1st quarter 2011	Last 5 years mean 1st 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	8	1	15	5	3	16	5	53	49	49	62.8	0.8	53	62.8
Hepatitis B (unspecified)†	23	624	50	219	85	13	446	195	1,655	1,696	1,696	1,734.2	1.0	1,655	1,734.2
Hepatitis C (newly acquired)*:‡	6	13	0	NN	10	6	0	24	59	108	108	94.6	0.6	59	94.6
Hepatitis C (unspecified)†	31	924	59	597	110	63	598	233	2,615	2,541	2,541	2,803.8	0.9	2,615	2,803.8
Hepatitis D	0	2	0	2	0	0	2	0	6	11	11	9.4	0.6	6	9.4
Gastrointestinal diseases															
Botulism	0	0	0	0	0	0	0	0	0	0	0	0.4	0.0	0	0.4
Campylobacteriosis§	158	NN	57	1,372	669	234	1,707	600	4,797	4,884	4,884	4,541.4	1.1	4,797	4,541.4
Cryptosporidiosis	9	211	131	848	86	2	97	59	1,443	637	637	1,180.2	1.2	1,443	1,180.2
Haemolytic uraemic syndrome	0	2	0	2	0	0	1	0	5	4	4	5.2	1.0	5	5.2
Hepatitis A	0	12	0	9	4	0	14	4	43	44	44	69.2	0.6	43	69.2
Hepatitis E	0	1	0	3	0	0	9	0	13	16	16	12.6	1.0	13	12.6
Listeriosis	0	10	0	1	2	0	10	3	26	19	19	25.2	1.0	26	25.2
STEC, VTEC	0	4	0	13	14	5	3	0	39	19	19	34.0	1.1	39	34.0
Salmonellosis	87	1,013	149	1,062	288	112	808	428	3,947	4,753	4,753	3,709.2	1.1	3,947	3,709.2
Shigellosis	2	42	61	18	19	0	33	15	190	161	161	184.4	1.0	190	184.4
Typhoid	1	16	2	8	1	0	18	10	56	57	57	39.4	1.4	56	39.4
Quantifiable diseases															
Cholera	0	0	0	0	0	0	0	0	0	1	1	1.0	0.0	0	1.0
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	0	0.0	0.0	0	0.0

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 January to 31 March 2012, by date of diagnosis

Disease	State or territory										Ratio	Year to date 2012	Last 5 years YTD mean		
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	Total 1st quarter 2012	Total 4th quarter 2011				Total 1st quarter 2011	Last 5 years mean 1st quarter
Sexually transmissible infections															
Chlamydia infection**	351	5,869	743	5,001	1,371	483	5,506	3,103	22,427	19,484	20,750	16,672.6	1.3	22,427	16,672.6
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	0.6	0.0	0	0.6
Gonococcal infection**	13	986	498	766	107	5	653	573	3,601	3,189	2,953	2,293.2	1.6	3,601	2,293.2
Syphilis – congenital**	0	0	0	0	0	0	0	0	0	1	4	1.6	0.0	0	1.6
Syphilis < 2 years duration**	5	93	4	82	15	0	109	25	333	287	370	341.6	1.0	333	341.6
Syphilis > 2 years or unspecified duration**	2	60	10	48	NN	0	146	28	294	311	324	332.2	0.9	294	332.2
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	1	1	0	1	0	3	2	3	4.2	0.7	3	4.2
Influenza (laboratory confirmed)	11	229	21	390	138	9	187	264	1,249	2,836	2,648	873.8	1.4	1,249	873.8
Measles	0	0	0	1	2	0	6	0	9	50	79	41.6	0.2	9	41.6
Mumps	1	15	0	7	1	0	11	3	38	41	39	60.4	0.6	38	60.4
Pertussis	90	2,037	125	1,801	167	243	1,197	1,506	7,166	10,165	10,679	5,459.2	1.3	7,166	5,459.2
Pneumococcal disease (invasive)	10	53	21	40	19	6	55	28	232	375	225	208.2	1.1	232	208.2
Poliovirus	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Rubella	0	4	0	2	2	0	4	1	13	8	22	12.0	1.1	13	12.0
Rubella – congenital	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Tetanus	0	0	0	0	1	0	0	0	1	0	1	1.6	0.6	1	1.6
Varicella zoster (chickenpox) ^{††}	1	NN	26	49	115	4	141	60	396	646	377	334.4	1.2	396	334.4
Varicella zoster (shingles) ^{††}	7	NN	60	18	395	61	277	240	1,058	1,052	1,015	705.4	1.5	1,058	705.4
Varicella zoster (unspecified) ^{††}	22	NN	1	1,045	27	30	707	258	2,090	2,167	1,773	1,459.4	1.4	2,090	1,459.4
Vectorborne diseases															
Arbovirus infection (NEC)	0	0	0	4	0	0	0	0	4	8	4	4.6	0.9	4	4.6
Barmah Forest virus infection	1	104	15	242	13	1	12	64	452	345	837	624.0	0.7	452	624.0
Dengue virus infection	5	91	51	82	18	3	96	296	642	213	366	357.4	1.8	642	357.4
Japanese encephalitis virus infection	0	0	0	1	0	0	0	0	1	0	0	0.0	0.0	1	0.0
Kunjin virus infection ^{††}	0	0	0	0	0	0	0	0	0	1	0	0.6	0.0	0	0.6
Malaria	0	13	3	29	2	5	15	5	72	110	118	122.6	0.6	72	122.6
Murray Valley encephalitis virus infection ^{††}	0	0	0	1	0	0	0	0	1	1	8	2.2	0.5	1	2.2
Ross River virus infection	2	198	95	797	72	14	87	1,016	2,281	747	3,047	2,045.6	1.1	2,281	2,045.6

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 January to 31 March 2012, by date of diagnosis

Disease	State or territory							Total 1st quarter 2012	Total 4th quarter 2011	Total 1st quarter 2011	Last 5 years mean 1st 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	0.4	0.0	0	0.4
Australian bat lyssavirus	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Brucellosis	0	1	0	6	0	0	0	1	8	12	9.2	0.9	8	9.2
Leptospirosis	0	7	1	33	0	0	4	0	45	125	61.2	0.7	45	61.2
Lyssavirus (NEC)	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Ornithosis	0	3	0	0	0	0	4	2	9	23	19.8	0.5	9	19.8
Q fever	0	30	1	56	2	0	1	3	93	81	95.8	1.0	93	95.8
Tularaemia	0	0	0	0	0	0	0	0	0	1	1.0	0.0	0	1.0
Other bacterial infections														
Legionellosis	0	34	2	15	6	1	15	19	92	81	69.2	1.3	92	69.2
Leprosy	0	0	0	0	0	0	0	0	0	3	2.4	0.0	0	2.4
Meningococcal infection ^{§§}	1	6	1	13	1	0	7	3	32	58	47.4	0.7	32	47.4
Tuberculosis	3	60	6	50	25	1	85	38	268	298	289.2	0.9	268	289.2
Total	842	12,775	2,194	14,749	3,793	1,304	13,088	9,112	57,857	54,600	61,321		57,857	

* 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 January to 31 March 2012, by state or territory. (Annualised rate per 100,000 population)

Disease	State or territory								Aust
	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)*	0.0	0.4	1.7	1.3	1.2	2.4	1.2	0.9	0.9
Hepatitis B (unspecified)†	25.6	34.5	87.1	19.4	20.7	10.2	32.2	34.0	29.6
Hepatitis C (newly acquired)*	6.7	0.7	0.0	NN	2.4	4.7	0.0	4.2	1.3
Hepatitis C (unspecified)†‡	34.6	51.1	102.8	52.9	26.8	49.6	43.1	40.6	46.8
Hepatitis D	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.1
Gastrointestinal diseases									
Botulism	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campylobacteriosis§	176.1	NN	99.3	121.5	162.7	184.4	123.1	104.5	127.0
Cryptosporidiosis	10.0	11.7	228.1	75.1	20.9	1.6	7.0	10.3	25.8
Haemolytic uraemic syndrome	0.0	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.1
Hepatitis A	0.0	0.7	0.0	0.8	1.0	0.0	1.0	0.7	0.8
Hepatitis E	0.0	0.1	0.0	0.3	0.0	0.0	0.6	0.0	0.2
Listeriosis	0.0	0.6	0.0	0.1	0.5	0.0	0.7	0.5	0.5
STEC, VTEC¶	0.0	0.2	0.0	1.2	3.4	3.9	0.2	0.0	0.7
Salmonellosis	97.0	56.0	259.5	94.1	70.0	88.3	58.3	74.6	70.7
Shigellosis	2.2	2.3	106.2	1.6	4.6	0.0	2.4	2.6	3.4
Typhoid fever	1.1	0.9	3.5	0.7	0.2	0.0	1.3	1.7	1.0
Quarantinable diseases									
Cholera	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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¶,***	391.2	324.3	1,294.0	442.9	333.4	380.6	397.0	540.5	401.5
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection**	14.5	54.5	867.3	67.8	26.0	3.9	47.1	99.8	64.5
Syphilis – congenital**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syphilis < 2 years duration**	5.6	5.1	7.0	7.3	3.6	0.0	7.9	4.4	6.0
Syphilis > 2 years or unspecified duration†,**	2.2	3.3	17.4	4.3	NN	0.0	10.5	4.9	5.7
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	0.0	0.1	0.0	0.1
Influenza (laboratory confirmed)	12.3	12.7	36.6	34.5	33.6	7.1	13.5	46.0	22.4
Measles	0.0	0.0	0.0	0.1	0.5	0.0	0.4	0.0	0.2
Mumps	1.1	0.8	0.0	0.6	0.2	0.0	0.8	0.5	0.7
Pertussis	100.3	112.6	217.7	159.5	40.6	191.5	86.3	262.3	128.3
Pneumococcal disease (invasive)	11.1	2.9	36.6	3.5	4.6	4.7	4.0	4.9	4.2
Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	0.0	0.2	0.0	0.2	0.5	0.0	0.3	0.2	0.2
Rubella – congenital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Tetanus	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0

Table 3 continued: Notification rates of diseases, 1 January to 31 March 2012, by state or territory. (Annualised rate per 100,000 population)

Disease	State or territory								
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	Aust
Vaccine preventable diseases, cont'd									
Varicella zoster (chickenpox)	1.1	NN	45.3	4.3	28.0	3.2	10.2	10.5	10.5
Varicella zoster (shingles)	7.8	NN	104.5	1.6	96.1	48.1	20.0	41.8	28.0
Varicella zoster (unspecified)	24.5	NN	1.7	92.6	6.6	23.6	51.0	44.9	55.4
Vectorborne diseases									
Arbovirus infection (NEC)	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1
Barmah Forest virus infection	1.1	5.7	26.1	21.4	3.2	0.8	0.9	11.1	8.1
Dengue virus infection	5.6	5.0	88.8	7.3	4.4	2.4	6.9	51.6	11.5
Japanese encephalitis virus infection	0.0	0.0	0.0	0.1	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	0.7	5.2	2.6	0.5	3.9	1.1	0.9	1.3
Murray Valley encephalitis virus infection ^{††}	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ross River virus infection	2.2	10.9	165.5	70.6	17.5	11.0	6.3	177.0	40.8
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	0.5	0.0	0.0	0.0	0.2	0.1
Leptospirosis	0.0	0.4	1.7	2.9	0.0	0.0	0.3	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	0.3	0.3	0.2
Q fever	0.0	1.7	1.7	5.0	0.5	0.0	0.1	0.5	1.7
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	1.9	3.5	1.3	1.5	0.8	1.1	3.3	1.6
Leprosy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal infection ^{‡‡}	1.1	0.3	1.7	1.2	0.2	0.0	0.5	0.5	0.6
Tuberculosis	3.3	3.3	10.4	4.4	6.1	0.8	6.1	6.6	4.8

* 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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