

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 53,422 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 April and 30 June 2011 (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 <2 years duration	All jurisdictions
Syphilis >2 years or unspecified duration	All jurisdictions except South Australia
Syphilis - congenital	All jurisdictions

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 2011, by date of diagnosis

Disease	State or territory								Total 2nd quarter 2011	Total 1st quarter 2011	Total 2nd quarter 2010	Last 5 years mean 2nd quarter	Ratio	Year to date 2011	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	0.2
Hepatitis B (newly acquired)*	1	7	0	11	1	6	10	6	48	56	69.8	69.8	0.6	90	135.8
Hepatitis B (unspecified)†	16	597	51	239	80	18	484	172	1,742	1,842	1,662.2	1,662.2	1.0	3,388	3,379.8
Hepatitis C (newly acquired)**	2	9	0	NN	9	10	5	34	108	101	97.4	97.4	0.7	177	196.0
Hepatitis C (unspecified)†	49	772	52	607	102	47	600	249	2,597	2,995	2,818.2	2,818.2	0.9	5,056	5,816.8
Hepatitis D	0	0	0	0	0	0	7	2	11	7	9.6	9.6	0.9	20	18.8
Gastrointestinal diseases															
Botulism	0	1	0	0	0	0	0	0	0	0	0.0	0.0	0.0	1	0.4
Campylobacteriosis§	94	NN	47	1,253	451	180	1,514	485	4,939	3,347	3,586.0	3,586.0	1.1	8,895	7,898.8
Cryptosporidiosis	0	106	9	120	48	8	74	106	638	399	717.6	717.6	0.7	1,104	2,073.4
Haemolytic uraemic syndrome	0	1	0	0	0	0	0	0	4	1	3.4	3.4	0.3	5	8.6
Hepatitis A	0	13	0	8	1	0	6	3	45	49	81.4	81.4	0.4	75	162.8
Hepatitis E	0	7	0	1	0	0	0	0	16	11	8.4	8.4	1.0	24	19.4
Listeriosis	0	6	0	2	2	0	8	1	19	13	12.2	12.2	1.6	38	38.6
STEC, VTEC	0	3	1	2	6	1	1	2	19	12	17.0	17.0	0.9	35	50.8
Salmonellosis	13	688	90	686	211	33	574	264	4,807	2,893	2,262.0	2,262.0	1.1	7,329	5,647.2
Shigellosis	2	27	12	15	7	0	18	19	164	125	149.6	149.6	0.7	262	340.0
Typhoid	0	6	1	2	1	1	11	2	57	29	22.8	22.8	1.1	81	55.0
Quantifiable diseases															
Cholera	0	0	0	4	0	0	0	0	1	0	0.4	0.4	10.0	5	1.2
Highly pathogenic avian influenza in humans	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0
Plague	0	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	0.0
Severe acute respiratory syndrome	0	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	0.0
Viral haemorrhagic fever	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0.0	0	0.0
Yellow fever	0	0	0	2	0	0	0	0	0	0	0.0	0.0	0.0	2	0.0

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 April to 30 June 2011, by date of diagnosis

Disease	State or territory										Total 2nd quarter 2011	Total 1st quarter 2011	Total 2nd quarter 2010	Last 5 years mean 2nd quarter	Ratio	Year to date 2011	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA									
Sexually transmissible infections																	
Chlamydia infection ^{†**}	318	5,091	652	4,684	1,276	412	4,714	3,063	20,210	20,824	18,844	15,094.2	1.3	40,927	30,071.6		
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	1.2	0.0	0	1.8		
Gonococcal infection ^{**}	34	663	513	757	122	6	554	443	3,092	2,966	2,570	2,288.2	1.4	6,037	4,474.4		
Syphilis < 2 years duration ^{**}	2	97	8	66	17	0	61	41	292	368	291	321.4	0.9	657	628.8		
Syphilis > 2 years or unspecified duration ^{**}	5	58	20	43	NDP	3	152	14	295	325	316	333.4	0.9	619	666.8		
Syphilis – congenital ^{**}	0	0	0	0	0	0	0	0	0	4	1	2.2	0.0	4	3.6		
Vaccine preventable diseases																	
Diphtheria	0	0	1	3	0	0	0	0	4	0	0	0.0	0.0	4	0.0		
<i>Haemophilus influenzae</i> type b	0	2	1	1	0	0	1	0	5	3	6	6.2	0.8	8	10.2		
Influenza (laboratory confirmed)	38	900	34	1,674	931	77	332	122	4,108	2,674	786	3,537.6	1.2	6,756	3,918.6		
Measles	0	11	2	5	0	0	8	4	30	80	15	29.8	1.0	109	59.0		
Mumps	0	16	0	8	3	1	5	5	38	39	26	62.2	0.6	77	123.4		
Pertussis	203	2,893	84	1,971	564	31	1,868	399	8,013	10,740	5,400	3,707.0	2.2	18,652	7,449.0		
Pneumococcal disease (invasive)	7	145	33	105	45	5	138	70	548	224	422	408.8	1.3	769	612.2		
Poliovirus	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0		
Rubella	0	5	0	2	1	0	1	6	15	22	11	12.0	1.3	37	20.8		
Rubella – congenital	0	0	0	0	0	0	0	0	0	0	0	0.4	0.0	0	0.4		
Tetanus	0	0	0	1	0	0	0	1	2	1	0	0.2	10.0	3	1.8		
Varicella zoster (chickenpox) ^{††}	2	NN	20	51	84	9	151	83	400	376	351	318.0	1.3	773	612.6		
Varicella zoster (shingles) ^{††}	4	NN	46	9	404	44	199	190	896	1,013	696	500.2	1.8	1,903	1,037.4		
Varicella zoster (unspecified) ^{††}	22	NN	0	926	12	21	551	254	1,786	1,794	1,660	1,216.6	1.5	3,564	2,497.6		
Vectorborne diseases																	
Arbovirus infection (NEC)	0	0	0	4	0	0	2	0	6	4	0	3.6	1.7	10	10.2		
Barmah Forest virus infection	0	95	24	174	23	1	34	39	390	841	382	488.2	0.8	1,228	1,092.4		
Dengue virus infection	5	18	3	21	2	1	17	53	120	361	264	138.6	0.9	479	434.2		
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	1	0	0	0	0	0	1	0	1	0.6	1.7	1	1.4		
Malaria	2	17	3	30	1	2	19	14	88	120	94	143.4	0.6	207	285.6		
Murray Valley encephalitis virus infection ^{††}	0	1	0	0	0	0	0	6	7	8	0	0.8	8.8	15	1.4		
Ross River virus infection	2	164	42	331	85	1	187	172	984	3,071	1,873	1,394.2	0.7	4,033	3,516.4		

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 April to 30 June 2011, by date of diagnosis

Disease	State or territory							Total 2nd quarter 2011	Total 1st quarter 2011	Total 2nd quarter 2010	Last 5 years mean 2nd quarter	Ratio	Year to date 2011	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	0.6
Australian bat lyssavirus	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Brucellosis	0	1	0	8	0	0	1	1	12	4	7.8	1.4	23	17.4
Leptospirosis	0	13	0	32	1	0	4	1	124	44	41.2	1.2	175	87.2
Lyssavirus (NEC)	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Ornithosis	0	4	0	0	0	0	12	1	24	9	24.8	0.7	40	48.6
Q fever	1	26	1	37	2	0	4	1	82	98	90.4	0.8	154	189.6
Tularaemia	0	0	0	0	0	0	0	0	1	0	0.0	0.0	1	0.0
Other bacterial infections														
Legionellosis	1	32	0	11	10	1	20	25	81	83	83.6	1.2	180	156.8
Leprosy	0	1	0	0	0	0	2	0	0	2	2.2	1.4	3	4.8
Meningococcal infection ^{§§}	1	13	0	15	4	3	16	5	57	56	61.6	0.9	114	112.6
Tuberculosis	4	89	7	63	17	3	58	25	266	286	264.8	1.0	555	552.4
Total	828	12,598	1,758	13,984	4,523	925	12,423	6,383	61,746	46,471			114,704	

* 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 reported for New South Wales where it is only notifiable as 'foodborne disease' or 'gastroenteritis in an institution'.

|| 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 2011, 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)*	1.1	0.4	0.0	1.0	0.2	4.7	0.7	1.0	0.8
Hepatitis B (unspecified)†	17.8	33.0	88.8	21.2	19.5	14.2	34.9	30.0	29.7
Hepatitis C (newly acquired)*	2.2	0.5	0.0	NN	2.2	7.9	0.4	5.9	1.5
Hepatitis C (unspecified)†‡	54.6	42.7	90.6	53.8	24.8	37.0	43.3	43.4	44.4
Hepatitis D	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	0.2
Gastrointestinal diseases									
Botulism	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campylobacteriosis§	104.8	NN	81.9	111.0	109.7	141.8	109.2	84.5	106.6
Cryptosporidiosis	0.0	5.9	15.7	10.6	11.7	6.3	5.3	18.5	8.4
Haemolytic uraemic syndrome	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis A	0.0	0.7	0.0	0.7	0.2	0.0	0.4	0.5	0.6
Hepatitis E	0.0	0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Listeriosis	0.0	0.3	0.0	0.2	0.5	0.0	0.6	0.2	0.3
STEC, VTEC¶	0.0	0.2	1.7	0.2	1.5	0.8	0.1	0.3	0.3
Salmonellosis	14.5	38.0	156.7	60.8	51.3	26.0	41.4	46.0	45.8
Shigellosis	2.2	1.5	20.9	1.3	1.7	0.0	1.3	3.3	1.8
Typhoid fever	0.0	0.3	1.7	0.2	0.2	0.8	0.8	0.3	0.4
Quarantinable diseases									
Cholera	0.0	0.0	0.0	0.4	0.0	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	0.2	0.0	0.0	0.0	0.0	0.0
Sexually transmitted infections									
Chlamydial infection¶.***	354.4	281.3	1,135.5	414.8	310.3	324.6	339.9	533.5	361.8
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection**	37.9	36.6	893.4	67.0	29.7	4.7	39.9	77.2	55.4
Syphilis < 2 years duration**	2.2	5.4	13.9	5.8	4.1	0.0	4.4	7.1	5.2
Syphilis > 2 years or unspecified duration†.***	5.6	3.2	34.8	3.8	NDP	2.4	11.0	2.4	5.7
Syphilis – congenital**	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Vaccine preventable diseases									
Diphtheria	0.0	0.0	1.7	0.3	0.0	0.0	0.0	0.0	0.1
<i>Haemophilus influenzae</i> type b	0.0	0.1	1.7	0.1	0.0	0.0	0.1	0.0	0.1
Influenza (laboratory confirmed)	42.4	49.7	59.2	148.3	226.4	60.7	23.9	21.3	73.5
Measles	0.0	0.6	3.5	0.4	0.0	0.0	0.6	0.7	0.5
Mumps	0.0	0.9	0.0	0.7	0.7	0.8	0.4	0.9	0.7
Pertussis	226.3	159.9	146.3	174.6	137.2	24.4	134.7	69.5	143.5
Pneumococcal disease (invasive)	7.8	8.0	57.5	9.3	10.9	3.9	10.0	12.2	9.8
Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	0.0	0.3	0.0	0.2	0.2	0.0	0.1	1.0	0.3
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	0.1	0.0	0.0	0.0	0.2	0.0

Table 3 continued: Notification rates of diseases, 1 April to 30 June 2011, 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)	2.2	NN	34.8	4.5	20.4	7.1	10.9	14.5	10.6
Varicella zoster (shingles)	4.5	NN	80.1	0.8	98.3	34.7	14.3	33.1	23.7
Varicella zoster (unspecified)	24.5	NN	0.0	82.0	2.9	16.5	39.7	44.2	47.3
Vectorborne diseases									
Arbovirus infection (NEC)	0.0	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.1
Barmah Forest virus infection	0.0	5.2	41.8	15.4	5.6	0.8	2.5	6.8	7.0
Dengue virus infection	5.6	1.0	5.2	1.9	0.5	0.8	1.2	9.2	2.1
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	1.7	0.0	0.0	0.0	0.0	0.0	0.0
Malaria	2.2	0.9	5.2	2.7	0.2	1.6	1.4	2.4	1.6
Murray Valley encephalitis virus infection ^{††}	0.0	0.1	0.0	0.0	0.0	0.0	0.0	1.0	0.1
Ross River virus infection	2.2	9.1	73.1	29.3	20.7	0.8	13.5	30.0	17.6
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	0.7	0.0	0.0	0.1	0.2	0.2
Leptospirosis	0.0	0.7	0.0	2.8	0.2	0.0	0.3	0.2	0.9
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	0.9	0.2	0.3
Q fever	1.1	1.4	1.7	3.3	0.5	0.0	0.3	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	1.1	1.8	0.0	1.0	2.4	0.8	1.4	4.4	1.8
Leprosy	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Meningococcal infection ^{‡‡}	1.1	0.7	0.0	1.3	1.0	2.4	1.2	0.9	1.0
Tuberculosis	4.5	4.9	12.2	5.6	4.1	2.4	4.2	4.4	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.

§ Notified as 'foodborne disease' or 'gastroenteritis in an institution' 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.

NEC Not elsewhere classified.

NN Not notifiable.

NDP No data provided.