

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 68,032 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 July and 30 September 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 July to 30 September 2011, by date of diagnosis

Disease	State or territory										Ratio	Year to date to 2011	Last 5 years YTD mean					
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	Total 3rd quarter 2011	Total 2nd quarter 2011				Total 3rd quarter 2010	Last 5 years mean 3rd quarter			
Bloodborne diseases																		
Hepatitis (NEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0.2
Hepatitis B (newly acquired)*	0	10	2	9	1	2	15	6				45	42	61	65.4	0.7	136	201.2
Hepatitis B (unspecified)†	34	642	34	200	129	10	526	166				1,741	1,665	1,840	1,746.4	1.0	5,076	5,088.8
Hepatitis C (newly acquired)*,‡	3	12	0	NN	8	5	0	28				56	72	79	94.4	0.6	234	290.4
Hepatitis C (unspecified)†	50	864	47	670	102	54	552	252				2,591	2,518	2,901	2,884.6	0.9	7,632	8,609.2
Hepatitis D	0	3	0	2	0	0	5	0				10	11	14	9.2	1.1	31	28.0
Gastrointestinal diseases																		
Botulism	0	1	0	0	0	0	0	0				1	1	0	0.0	0.0	2	0.4
Campylobacteriosis§	126	NN	43	1,314	611	177	1,661	513				4,445	4,070	3,995	3,734.8	1.2	13,353	11,633.6
Cryptosporidiosis	1	62	10	71	13	21	76	33				287	479	249	279.0	1.0	1,394	2,352.4
Haemolytic uraemic syndrome	0	1	0	0	2	0	1	0				4	1	3	2.2	1.8	9	11.0
Hepatitis A	0	7	3	8	2	1	6	1				28	32	65	61.8	0.5	104	224.6
Hepatitis E	0	3	0	0	0	0	2	1				6	10	9	7.0	0.9	31	26.4
Listeriosis	1	3	0	1	1	0	2	2				10	19	7	14.4	0.7	48	53.0
STEC, VTEC	0	3	0	5	18	0	0	1				27	18	18	16.2	1.7	62	66.8
Salmonellosis	18	489	82	405	168	33	540	285				2,020	2,638	2,076	1,532.2	1.3	9,379	7,173.4
Shigellosis	0	19	5	19	7	2	30	13				95	103	132	143.2	0.7	356	483.0
Typhoid	0	9	1	4	2	0	3	3				22	23	19	19.8	1.1	102	74.8
Quarantinable diseases																		
Cholera	0	0	0	0	0	0	0	1				1	4	3	0.8	1.3	6	2.0
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	2	0	0.0	0.0	2	0.0

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

Disease	State or territory										Total 3rd quarter 2011	Total 2nd quarter 2011	Total 3rd quarter 2010	Last 5 years mean 3rd quarter	Ratio	Year to date 2011	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA									
Sexually transmissible infections																	
Chlamydia infection**	295	5,090	705	4,538	1,299	474	4,828	3,012	20,241	20,495	18,415	14,481.4	1.4	61,198	44,548.8		
Donovanosis	0	0	0	0	0	0	0	0	0	0	1	0.6	0.0	0	2.4		
Gonococcal infection**	28	721	465	727	65	4	423	438	2,871	3,134	2,507	1,915.0	1.5	8,907	6,388.8		
Syphilis < 2 years duration**	3	103	5	49	5	3	93	25	286	304	246	296.2	1.0	950	925.4		
Syphilis > 2 years or unspecified duration**	6	75	10	59	-	5	140	22	317	303	336	350.4	0.9	939	1,017.8		
Syphilis – congenital**	0	1	0	1	0	0	0	0	2	0	1	1.0	2.0	6	4.6		
Vaccine preventable diseases																	
Diphtheria	0	0	0	0	0	0	0	0	0	4	0	0.0	0.0	4	0.0		
<i>Haemophilus influenzae</i> type b	0	0	1	2	0	0	0	0	3	5	7	5.8	0.5	11	16.0		
Influenza (laboratory confirmed)	179	3,738	197	6,852	3,142	241	1,940	1,113	17,402	4,136	8,181	13,706.4	1.3	24,159	17,624.6		
Measles	0	24	1	1	3	0	3	2	34	30	30	9.8	3.5	143	68.8		
Mumps	1	11	0	9	1	2	3	5	32	39	21	70.2	0.5	109	193.6		
Pertussis	174	3,247	97	2,131	533	42	2,195	1,150	9,569	8,135	9,150	4,930.6	1.9	28,249	12,379.0		
Pneumococcal disease (invasive)	10	194	46	144	49	18	167	97	725	552	616	600.0	1.2	1,497	1,218.0		
Poliovirus	0	0	0	0	0	0	0	0	0	0	0	0.3	0.0	0	0.3		
Rubella	0	2	0	2	0	0	3	7	14	14	13	12.6	1.1	50	33.4		
Rubella – congenital	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.4		
Tetanus	0	0	0	0	0	0	0	0	0	2	1	0.6	0.0	3	2.4		
Varicella zoster (chickenpox)**	2	NN	72	119	121	9	195	139	657	406	550	496.2	1.3	1,436	1,108.8		
Varicella zoster (shingles)**	9	NN	46	21	402	40	252	235	1,005	907	678	497.8	2.0	2,914	1,535.4		
Varicella zoster (unspecified)**	28	NN	3	1,007	27	25	650	267	2,007	1,797	1,820	1,321.6	1.5	5,562	3,819.2		
Vectorborne diseases																	
Arbovirus infection (NEC)	0	0	0	1	0	0	5	0	6	6	5	3.6	1.7	16	13.8		
Barmah Forest virus infection	0	65	11	163	15	0	12	23	289	399	221	307.6	0.9	1,521	1,399.4		
Dengue virus infection	4	21	2	21	4	1	25	36	114	123	314	120.2	0.9	591	554.2		
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	0	0.2		
Kunjin virus infection**	0	0	0	0	0	0	0	0	0	1	0	0.2	0.0	1	1.6		
Malaria	1	22	1	30	0	2	26	12	94	92	107	145.8	0.6	302	431.2		
Murray Valley encephalitis virus infection**	0	0	0	0	0	0	0	0	0	7	0	0.0	0.0	15	1.4		
Ross River virus infection	0	58	17	162	44	0	38	57	376	1,019	567	647.6	0.6	4,409	4,163.6		

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

Disease	State or territory							Total 3rd quarter 2011	Total 2nd quarter 2011	Total 3rd quarter 2010	Last 5 years mean 3rd quarter	Ratio	Year to date 2011	Last 5 years YTD mean	
	ACT	NSW	NT	Qld	SA	Tas	Vic								WA
Zoonoses															
Anthrax	0	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	0.0
Brucellosis	0	1	0	7	0	0	0	0	11	7	10.6	0.8	31	28.0	0.8
Leptospirosis	1	5	0	10	1	0	2	0	53	32	18.2	1.0	195	105.4	1.0
Lyssavirus (NEC)	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0.0
Ornithosis	0	4	0	0	0	1	15	0	16	9	22.6	0.9	59	71.2	0.9
Q fever	0	32	0	33	3	0	9	1	74	73	92.8	0.8	232	282.4	0.8
Tularaemia	0	0	0	0	0	0	0	0	0	0	0.0	0.0	1	0.0	0.0
Other bacterial infections															
Legionellosis	3	15	1	5	10	2	9	14	102	69	66.6	0.9	240	223.4	0.9
Leprosy	0	0	0	0	0	0	1	1	2	3	2.0	1.0	4	6.8	1.0
Meningococcal infection ^{§§}	0	21	0	27	6	5	14	4	77	72	101.6	0.8	191	214.2	0.8
Tuberculosis	2	87	12	60	14	5	120	36	336	357	317.0	1.1	891	869.2	1.1
Total	979	15,665	1,919	18,889	6,808	1,184	14,587	8,001	68,032	54,200	55,880		182,793		

* 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 July to 30 September 2011, 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	0.6	3.5	0.8	0.2	1.6	1.1	1.0	0.8
Hepatitis B (unspecified)†	37.9	35.5	59.2	17.7	31.4	7.9	37.9	28.9	31.2
Hepatitis C (newly acquired)*	3.3	0.7	0.0	NN	1.9	3.9	0.0	4.9	1.3
Hepatitis C (unspecified)†‡	55.7	47.7	81.9	59.3	24.8	42.6	39.8	43.9	46.4
Hepatitis D	0.0	0.2	0.0	0.2	0.0	0.0	0.4	0.0	0.2
Gastrointestinal diseases									
Botulism	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campylobacteriosis§	140.4	NN	74.9	116.4	148.6	139.5	119.8	89.4	117.7
Cryptosporidiosis	1.1	3.4	17.4	6.3	3.2	16.5	5.5	5.7	5.1
Haemolytic uraemic syndrome	0.0	0.1	0.0	0.0	0.5	0.0	0.1	0.0	0.1
Hepatitis A	0.0	0.4	5.2	0.7	0.5	0.8	0.4	0.2	0.5
Hepatitis E	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.1
Listeriosis	1.1	0.2	0.0	0.1	0.2	0.0	0.1	0.3	0.2
STEC, VTEC¶	0.0	0.2	0.0	0.4	4.4	0.0	0.0	0.2	0.5
Salmonellosis	20.1	27.0	142.8	35.9	40.9	26.0	38.9	49.6	36.2
Shigellosis	0.0	1.0	8.7	1.7	1.7	1.6	2.2	2.3	1.7
Typhoid fever	0.0	0.5	1.7	0.4	0.5	0.0	0.2	0.5	0.4
Quarantinable diseases									
Cholera	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	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¶.***	328.8	281.3	1,227.8	401.9	315.9	373.5	348.1	524.6	362.4
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection**	31.2	39.8	809.8	64.4	15.8	3.2	30.5	76.3	51.4
Syphilis < 2 years duration**	3.3	5.7	8.7	4.3	1.2	2.4	6.7	4.4	5.1
Syphilis > 2 years or unspecified duration†.***	6.7	4.1	17.4	5.2	-	3.9	10.1	3.8	6.1
Syphilis – congenital**	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
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	1.7	0.2	0.0	0.0	0.0	0.0	0.1
Influenza (laboratory confirmed)	199.5	206.6	343.1	606.9	764.2	189.9	139.9	193.9	311.6
Measles	0.0	1.3	1.7	0.1	0.7	0.0	0.2	0.3	0.6
Mumps	1.1	0.6	0.0	0.8	0.2	1.6	0.2	0.9	0.6
Pertussis	193.9	179.4	168.9	188.7	129.6	33.1	158.3	200.3	171.3
Pneumococcal disease (invasive)	11.1	10.7	80.1	12.8	11.9	14.2	12.0	16.9	13.0
Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	0.0	0.1	0.0	0.2	0.0	0.0	0.2	1.2	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	0.0	0.0	0.0	0.0	0.0	0.0

Table 3 continued: Notification rates of diseases, 1 July to 30 September 2011, 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)	2.2	NN	125.4	10.5	29.4	7.1	14.1	24.2	17.4
Varicella zoster (shingles)	10.0	NN	80.1	1.9	97.8	31.5	18.2	40.9	26.6
Varicella zoster (unspecified)	31.2	NN	5.2	89.2	6.6	19.7	46.9	46.5	53.2
Vectorborne diseases									
Arbovirus infection (NEC)	0.0	0.0	0.0	0.1	0.0	0.0	0.4	0.0	0.1
Barmah Forest virus infection	0.0	3.6	19.2	14.4	3.6	0.0	0.9	4.0	5.2
Dengue virus infection	4.5	1.2	3.5	1.9	1.0	0.8	1.8	6.3	2.0
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	1.1	1.2	1.7	2.7	0.0	1.6	1.9	2.1	1.7
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	0.0	3.2	29.6	14.3	10.7	0.0	2.7	9.9	6.7
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	0.6	0.0	0.0	0.0	0.0	0.1
Leptospirosis	1.1	0.3	0.0	0.9	0.2	0.0	0.1	0.0	0.3
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	0.8	1.1	0.0	0.4
Q fever	0.0	1.8	0.0	2.9	0.7	0.0	0.6	0.2	1.4
Tularaemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other bacterial diseases									
Legionellosis	3.3	0.8	1.7	0.4	2.4	1.6	0.6	2.4	1.1
Leprosy	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0
Meningococcal infection ^{††}	0.0	1.2	0.0	2.4	1.5	3.9	1.0	0.7	1.4
Tuberculosis	2.2	4.8	20.9	5.3	3.4	3.9	8.7	6.3	6.0

* 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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