

NATIONAL NOTIFIABLE DISEASES SURVEILLANCE SYSTEM, 1 JULY TO 30 SEPTEMBER 2015

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 122,283 notifications to the National Notifiable Diseases Surveillance System (NNDSS) between 1 July to 30 September 2015 (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 fever	All jurisdictions
Quarantinable diseases	
Cholera	All jurisdictions
Highly pathogenic avian influenza (human)	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	
Chlamydia	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

Table 1 continued: Reporting of notifiable diseases by jurisdiction

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
Poliovirus infection	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	
Barmah Forest virus infection	All jurisdictions
Chikungunya virus infection	All jurisdictions
Dengue virus infection	All jurisdictions
Flavivirus infection (unspecified)	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 infection	All jurisdictions
Brucellosis	All jurisdictions
Leptospirosis	All jurisdictions
Lyssavirus infection (NEC)	All jurisdictions
Ornithosis	All jurisdictions
Q fever	All jurisdictions
Tularaemia	All jurisdictions
Other bacterial infections	
Legionellosis	All jurisdictions
Leprosy	All jurisdictions
Meningococcal infection – invasive	All jurisdictions
Tuberculosis	All jurisdictions

* Infection with Shiga toxin/verotoxin-producing *Escherichia coli*.

NEC Not elsewhere classified.

Table 2: Notifications of diseases received by state and territory health authorities, 1 July to 30 September 2015, by date of diagnosis*

Disease	State or territory								Total 3rd quarter 2015	Total 2nd quarter 2015	Total 3rd quarter 2014	Last 5 years mean 3rd quarter	Ratio	Year to date 2015	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	4	1	15	2	0	6	6	34	39	37	47.2	0.7	113	148.2
Hepatitis B (unspecified) [†]	21	712	50	314	81	12	325	159	1,674	1,548	1,690	1,751.4	1.0	4,799	5,002.2
Hepatitis C (newly acquired) [†]	4	6	1	0	6	8	35	57	117	108	106	99.4	1.2	328	323.0
Hepatitis C (unspecified) [†]	45	894	52	627	104	63	201	213	2,199	2,500	2,645	2,682.6	0.8	7,227	7,710.0
Hepatitis D	0	1	0	8	3	0	0	0	12	12	14	12.6	1.0	34	36.0
Gastrointestinal diseases															
Botulism	0	0	0	0	0	0	0	0	0	1	0	0.4	0.0	2	1.4
Campylobacteriosis	159	NN	99	1,806	478	242	270	654	3,708	4,087	4,761	4,083.8	0.9	13,229	12,225.0
Cryptosporidiosis	5	88	8	141	48	7	159	21	477	988	419	342.8	1.4	2,945	2,097.4
Haemolytic uraemic syndrome	0	3	0	2	0	0	0	1	6	4	4	3.2	1.9	14	11.8
Hepatitis A	1	11	2	4	1	0	5	4	28	28	51	45.6	0.6	144	154.8
Hepatitis E	0	6	0	0	0	0	1	0	7	4	10	6.2	1.1	21	30.6
Listeriosis	0	3	0	2	1	0	4	4	14	19	18	13.6	1.0	49	57.6
STEC, VTEC [§]	0	3	0	6	5	0	5	0	19	35	22	32.6	0.6	83	89.0
Salmonellosis	41	581	93	671	220	35	727	306	2,674	4,186	2,743	2,222.6	1.2	13,272	9,670.0
Shigellosis	2	42	20	41	15	2	132	17	271	263	250	140.8	1.9	868	466.8
Typhoid fever	0	6	0	5	2	1	3	2	19	29	22	19.0	1.0	91	95.4
Quarantinable diseases															
Cholera	0	0	0	0	0	0	0	0	0	1	0	1.0	0.0	1	3.4
Highly pathogenic avian influenza (human)	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	0.5

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 July to 30 September 2015, by date of diagnosis*

Disease	State or territory							Total 3rd quarter 2015	Total 2nd quarter 2015	Total 3rd quarter 2014	Last 5 years mean 3rd quarter	Ratio	Year to date 2015	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas.	Vic.							
Sexually transmissible infections														
Chlamydia [¶]	318	5,375	683	5,254	1,285	395	0	2,747	16,363	20,752	20,076.6	0.8	54,591	61,894.8
Donovanosis	0	0	0	0	0	0	0	0	0	0	0.4	0.0	0	0.6
Gonococcal infection [¶]	28	1,434	406	691	134	12	82	612	4,593	3,647	3,183.2	1.1	12,621	10,038.6
Syphilis – congenital	0	0	0	2	0	0	0	0	2	4	2.2	0.9	4	3.8
Syphilis <2 years duration [¶]	6	180	64	182	17	4	196	52	637	541	399.0	1.8	1,939	1,163.6
Syphilis >2 years or unspecified duration ^{¶¶}	1	164	5	61	26	2	219	21	490	479	396.0	1.3	1,474	1,157.2
Vaccine preventable diseases														
Diphtheria	0	0	0	1	0	0	0	0	0	1	0.4	2.5	2	1.4
<i>Haemophilus influenzae</i> type b	0	2	0	3	0	0	2	1	4	6	6.0	1.3	14	14.2
Influenza (laboratory confirmed)	920	25,650	348	22,330	11,725	1,152	12,639	3,650	9,788	53,023	25,726.8	3.0	92,685	31,708.8
Measles	0	0	0	11	0	0	7	1	19	57	58.8	0.3	65	149.4
Mumps	3	12	5	8	4	0	10	150	101	47	40.2	4.8	352	132.6
Pertussis	129	3,211	13	293	317	13	1,131	489	4,219	3,138	6,086.4	0.9	13,839	16,698.0
Pneumococcal disease – invasive	9	205	18	98	44	16	126	71	402	588	643.0	0.9	1,176	1,326.8
Poliovirus infection	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Rubella	0	1	0	1	0	0	0	2	5	3	10.0	0.4	14	30.4
Rubella – congenital	0	0	0	0	0	0	0	0	0	0	0.2	0.0	0	0.4
Tetanus	0	0	0	0	0	0	0	0	1	0	0.6	0.0	1	2.6
Varicella zoster (chickenpox)	16	NN	29	126	101	19	9	150	534	545	596.6	0.8	1,510	1,419.8
Varicella zoster (shingles)	57	NN	83	9	498	56	9	346	1,564	1,323	1,051.8	1.0	4,207	3,232.2
Varicella zoster (unspecified)	40	NN	3	1,672	62	39	5	343	3,251	3,035	2,516.8	0.9	8,462	7,185.8
Vectorborne diseases														
Barmah Forest virus infection	0	23	5	44	0	1	1	10	194	89	335.4	0.3	540	1,613.4
Chikungunya virus infection	0	7	1	0	0	0	3	2	27	17	14.6	0.9	95	50.2
Dengue virus infection	6	67	5	33	12	3	66	64	426	282	286.4	0.9	1,425	1,129.2
Flavivirus infection (unspecified)	0	0	0	0	0	0	0	1	2	2	3.8	0.3	7	11.8
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	1	0.6	0.0	2	1.2
Kunjin virus infection	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.8
Malaria	2	11	6	10	2	0	17	11	47	84	99.4	0.6	169	289.0
Murray Valley encephalitis virus infection	0	0	0	0	0	0	0	0	1	0	0.0	0.0	2	3.2
Ross River virus infection	0	179	67	398	11	0	32	129	2,066	879	595.4	1.4	8,543	3,920.0

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 July to 30 September 2015, by date of diagnosis

Disease	State or territory							Total 3rd quarter 2015	Total 2nd quarter 2015	Total 3rd quarter 2014	Last 5 years mean 3rd quarter	Ratio	Year to date 2015	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	0.2
Australian bat lyssavirus infection	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.2
Brucellosis	0	1	1	2	0	0	0	0	7	5	6.6	0.6	15	18.0
Leptospirosis	0	4	0	11	0	0	1	1	18	19	20.2	0.8	60	107.2
Lyssavirus infection (NEC)	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Ornithosis	0	0	0	0	0	0	3	0	2	10	13.0	0.2	7	38.4
Q fever	0	75	0	59	3	0	12	4	141	118	98.0	1.6	450	303.6
Tularaemia	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.3
Other bacterial infections														
Legionellosis	0	23	1	20	8	2	14	22	103	109	103.0	0.9	285	289.6
Leprosy	0	0	1	1	0	0	1	2	3	0	2.4	2.1	9	7.4
Meningococcal infection – invasive**	1	16	0	9	14	1	17	8	66	57	67.8	1.0	141	157.2
Tuberculosis	4	111	2	47	22	2	93	25	306	353	356.6	0.9	894	964.8
Total	1,818	39,111	2,072	35,018	15,251	2,087	16,568	10,358	122,283	102,006			248,820	

* The date of diagnosis is the onset date or where the date of onset was not known, the earliest of the specimen collection date, the notification date, or the notification receive date. For hepatitis B (unspecified), hepatitis C (unspecified), leprosy, syphilis (> 2 years or unspecified duration) and tuberculosis, the public health unit notification receive date was used.

† Newly acquired hepatitis includes cases where the infection was determined to be acquired within 24 months prior to diagnosis. Queensland reports hepatitis C newly acquired under hepatitis unspecified.

‡ Unspecified hepatitis and syphilis includes cases where the duration of infection could not be determined or is greater than 24 months.

§ Infection with Shiga toxin/verotoxin-producing *Escherichia coli*.

|| Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral and throat samples, except for South Australia, which reports only cervical, urine and urethral specimens. From 1 July 2013 case definition changed to exclude all ocular infections.

¶ The national case definitions for chlamydial, gonococcal and syphilis diagnoses include infections that may be acquired through a non-sexual mode (especially in children – e.g. perinatal infections, epidemic gonococcal conjunctivitis).

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

NN Not notifiable

NEC Not elsewhere classified

Totals comprise data from all states and territories. Cumulative figures are subject to retrospective revision so there may be discrepancies between the number of new notifications and the increment in the cumulative figure from the previous period.

Table 3: Notification rates of diseases, 1 July to 30 September 2015, 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	0.2	1.6	1.3	0.5	0.0	0.4	0.9	0.6
Hepatitis B (unspecified)§	21.8	37.9	81.8	26.6	19.2	9.3	22.3	24.8	28.5
Hepatitis C (newly acquired)†	4.2	0.3	1.6	0.0	1.4	6.2	2.4	8.9	2.0
Hepatitis C (unspecified)§	46.7	47.6	85.0	53.1	24.7	49.0	13.8	33.2	37.5
Hepatitis D	0.0	0.1	0.0	0.7	0.7	0.0	0.0	0.0	0.2
Gastrointestinal diseases									
Botulism	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campylobacteriosis	165.0	NN	161.9	153.0	113.4	188.1	18.5	102.0	92.9
Cryptosporidiosis	5.2	4.7	13.1	11.9	11.4	5.4	10.9	3.3	8.1
Haemolytic uraemic syndrome	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.2	0.1
Hepatitis A	1.0	0.6	3.3	0.3	0.2	0.0	0.3	0.6	0.5
Hepatitis E	0.0	0.3	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Listeriosis	0.0	0.2	0.0	0.2	0.2	0.0	0.3	0.6	0.2
STEC,VTEC¶	0.0	0.2	0.0	0.5	1.2	0.0	0.3	0.0	0.3
Salmonellosis	42.5	30.9	152.1	56.8	52.2	27.2	49.8	47.7	45.6
Shigellosis	2.1	2.2	32.7	3.5	3.6	1.6	9.0	2.7	4.6
Typhoid fever	0.0	0.3	0.0	0.4	0.5	0.8	0.2	0.3	0.3
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									
Chlamydia¶.***	330.0	286.1	1,116.9	445.1	305.0	307.0	0.0	428.3	273.6
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection**	29.1	76.3	663.9	58.5	31.8	9.3	5.6	95.4	57.9
Syphilis – congenital	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Syphilis < 2 years duration**	6.2	9.6	104.7	15.4	4.0	3.1	13.4	8.1	11.9
Syphilis > 2 years or unspecified duration§.***	1.0	8.7	8.2	5.2	6.2	1.6	15.0	3.3	8.5
Vaccine preventable diseases									
Diphtheria	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
<i>Haemophilus influenzae</i> type b	0.0	0.1	0.0	0.3	0.0	0.0	0.1	0.2	0.1
Influenza (laboratory confirmed)	954.6	1,365.1	569.1	1,891.8	2,782.7	895.3	865.8	569.1	1,336.1
Measles	0.0	0.0	0.0	0.9	0.0	0.0	0.5	0.2	0.3
Mumps	3.1	0.6	8.2	0.7	0.9	0.0	0.7	23.4	3.3
Pertussis	133.9	170.9	21.3	24.8	75.2	10.1	77.5	76.2	95.4
Pneumococcal disease – invasive	9.3	10.9	29.4	8.3	10.4	12.4	8.6	11.1	10.0
Poliovirus infection	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	0.1	0.0	0.0	0.0	0.3	0.1
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 2015, 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)	16.6	NN	47.4	10.7	24.0	14.8	0.6	23.4	11.3
Varicella zoster (shingles)	59.1	NN	135.7	0.8	118.2	43.5	0.6	53.9	26.5
Varicella zoster (unspecified)	41.5	NN	4.9	141.7	14.7	30.3	0.3	53.5	54.2
Vectorborne diseases									
Barmah Forest virus infection	0.0	1.2	8.2	3.7	0.0	0.8	0.1	1.6	1.4
Chikungunya virus infection	0.0	0.4	1.6	0.0	0.0	0.0	0.2	0.3	0.2
Dengue virus infection	6.2	3.6	8.2	2.8	2.8	2.3	4.5	10.0	4.4
Flavivirus infection (unspecified)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
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	2.1	0.6	9.8	0.8	0.5	0.0	1.2	1.7	1.0
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	9.5	109.6	33.7	2.6	0.0	2.2	20.1	13.9
Zoonoses									
Anthrax	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Australia bat lyssavirus infection	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Brucellosis	0.0	0.1	1.6	0.2	0.0	0.0	0.0	0.0	0.1
Leptospirosis	0.0	0.2	0.0	0.9	0.0	0.0	0.1	0.2	0.3
Lyssavirus infection (NEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ornithosis	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
Q fever	0.0	4.0	0.0	5.0	0.7	0.0	0.8	0.6	2.6
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	1.2	1.6	1.7	1.9	1.6	1.0	3.4	1.5
Leprosy	0.0	0.0	1.6	0.1	0.0	0.0	0.1	0.3	0.1
Meningococcal infection – invasive††	1.0	0.9	0.0	0.8	3.3	0.8	1.2	1.2	1.1
Tuberculosis	4.2	5.9	3.3	4.0	5.2	1.6	6.4	3.9	5.2

* The date of diagnosis is the onset date or where the date of onset was not known, the earliest of the specimen collection date, the notification date, or the notification receive date. For hepatitis B (unspecified), hepatitis C (unspecified), leprosy, syphilis (> 2 years or unspecified duration) and tuberculosis, the public health unit notification receive date was used.

† Rate per 100,000 of population. Annualisation Factor was 4.0

‡ Newly acquired hepatitis includes cases where the infection was determined to be acquired within 24 months prior to diagnosis. Queensland reports hepatitis C newly acquired under hepatitis C unspecified.

§ Unspecified hepatitis and syphilis includes cases where the duration of infection could not be determined or is greater than 24 months.

|| Infection with Shiga toxin/verotoxin-producing *Escherichia coli*.

¶ Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral and throat samples, except for South Australia, which reports only cervical, urine and urethral specimens. From 1 July 2013 case definition changed to exclude all ocular infections.

** The national case definitions for chlamydia, gonococcal and syphilis diagnoses include infections that may be acquired through a non-sexual mode (especially in children – e.g. perinatal infections, epidemic gonococcal conjunctivitis).

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

NEC Not elsewhere classified.

NN Not notifiable.