

NATIONAL NOTIFIABLE DISEASES SURVEILLANCE SYSTEM, 1 APRIL TO 30 JUNE 2015

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 58,031 notifications to the National Notifiable Diseases Surveillance System (NNDSS) between 1 April and 30 June 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 April to 30 June 2015, by date of diagnosis*

Disease	State or territory							Total 2nd quarter 2015	Total 1st quarter 2015	Total 2nd quarter 2014	Last 5 years mean 2nd quarter	Ratio	Year to date 2015	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas.	Vic.							
Bloodborne diseases														
Hepatitis (NEC)	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Hepatitis B (newly acquired) [†]	0	9	0	11	3	1	7	8	39	45	45.6	101.6	79	101.6
Hepatitis B (unspecified) [†]	22	536	35	263	91	11	423	142	1,523	1,620	1,628.8	3,256.0	3,122	3,256.0
Hepatitis C (newly acquired) [†]	4	4	0	0	11	9	32	45	105	135	111.4	223.4	209	223.4
Hepatitis C (unspecified) [†]	31	815	41	633	114	57	544	237	2,472	2,570	2,522.0	5,033.6	5,072	5,033.6
Hepatitis D	0	3	0	3	3	0	2	0	11	17	12.4	23.6	22	23.6
Gastrointestinal diseases														
Botulism	0	0	0	0	0	0	0	0	0	1	0.6	1.0	1	1.0
Campylobacteriosis	129	NN	85	1,616	412	198	915	652	4,007	4,663	3,701.4	8,141.8	9,509	8,141.8
Cryptosporidiosis	6	210	34	351	124	3	175	58	961	664	715.4	1,755.0	2,464	1,755.0
Haemolytic uraemic syndrome	0	4	0	0	0	0	0	0	4	5	3.0	8.6	8	8.6
Hepatitis A	1	10	0	2	2	1	9	3	28	41	40.4	109.2	116	109.2
Hepatitis E	0	2	0	0	0	0	1	0	3	24	11.4	24.4	13	24.4
Listeriosis	0	7	1	2	1	0	7	0	18	20	18.2	44.0	34	44.0
STEC, VTEC [§]	0	2	0	11	17	0	3	0	33	33	22.4	56.4	60	56.4
Salmonellosis	32	887	170	1,322	354	42	927	386	4,120	4,216	3,032.6	7,448.2	10,587	7,448.2
Shigellosis	0	32	28	47	18	0	109	21	255	209	133.2	326.2	592	326.2
Typhoid fever	1	12	0	2	2	0	9	3	29	22	25.0	76.6	72	76.6
Quarantinable diseases														
Cholera	0	0	0	0	1	0	0	0	1	0	2.0	2.4	1	2.4
Highly pathogenic avian influenza (human)	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
Rabies	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
Smallpox	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
Yellow fever	0	0	0	0	0	0	0	0	0	0	0.5	0.5	0	0.5

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

Disease	State or territory								Total 2nd quarter 2015	Total 1st quarter 2015	Total 2nd quarter 2014	Last 5 years mean 2nd quarter	Ratio	Year to date 2015	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas.	Vic.	WA							
Sexually transmissible infections															
Chlamydia [¶]	333	5,416	665	5,115	1,311	411	8	2,782	16,041	22,407	22,149	20,514.4	0.8	38,337	41,818.0
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.2
Gonococcal infection [¶]	42	1,259	450	744	244	13	1,255	523	4,530	4,700	4,010	3,415.2	1.3	9,212	6,855.4
Syphilis – congenital	0	0	1	1	0	0	0	0	2	0	0	0.8	2.5	2	2.0
Syphilis < 2 years duration [¶]	3	152	51	123	10	4	213	34	590	603	503	379.8	1.6	1,189	763.6
Syphilis > 2 years or unspecified duration [¶]	3	143	26	66	25	4	184	8	459	488	470	394.6	1.2	947	761.8
Vaccine preventable diseases															
Diphtheria	0	0	0	0	0	0	0	0	0	1	0	0.8	0.0	1	1.0
<i>Haemophilus influenzae</i> type b	0	3	0	1	0	0	0	0	4	2	6	5.4	0.7	6	8.2
Influenza (laboratory confirmed)	129	1,848	46	2,534	1,996	133	1,882	1,128	9,696	4,600	4,592	3,870.8	2.5	14,259	5,982.8
Measles	1	3	0	3	0	0	9	3	19	27	72	33.4	0.6	46	90.8
Mumps	0	14	0	13	8	4	2	56	97	62	40	47.2	2.1	157	93.4
Pertussis	136	2,019	10	333	262	8	1,002	320	4,090	4,116	2,116	4,699.2	0.9	8,166	10,611.6
Pneumococcal disease – invasive	5	132	19	65	33	10	89	43	396	191	407	464.4	0.9	586	684.0
Poliovirus infection	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Rubella	1	2	0	0	2	0	0	0	5	5	3	8.8	0.6	10	20.4
Rubella – congenital	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	0	0.2
Tetanus	0	1	0	0	0	0	0	0	1	0	0	0.6	1.7	1	2.0
Varicella zoster (chickenpox)	27	NN	23	79	76	9	201	113	528	533	488	434.4	1.2	1,058	823.2
Varicella zoster (shingles)	44	NN	80	14	629	44	366	350	1,527	1,612	1,357	1,077.8	1.4	3,126	2,178.2
Varicella zoster (unspecified)	26	NN	1	1,581	37	41	1,190	340	3,216	3,133	2,827	2,307.2	1.4	6,318	4,671.2
Vectorborne diseases															
Barmah Forest virus infection	0	69	5	94	0	0	3	15	186	271	217	578.4	0.3	456	1,278.2
Chikungunya virus infection	0	5	2	8	1	0	8	2	26	56	22	17.4	1.5	82	35.6
Dengue virus infection	0	61	22	58	22	7	52	154	376	742	522	367.8	1.0	1,110	842.8
Flavivirus infection (unspecified)	0	0	0	1	1	0	0	0	2	4	8	3.6	0.6	6	8.4
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	2	0	0.4	0.0	2	0.6
Kunjin virus infection**	0	0	0	0	0	0	0	0	0	0	1	0.6	0.0	0	0.8
Malaria	1	8	1	15	0	1	10	11	47	64	85	86.0	0.5	110	190.4
Murray Valley encephalitis virus infection**	0	0	1	0	0	0	0	0	1	1	0	1.4	0.7	2	3.2
Ross River virus infection	3	423	62	1,087	27	2	88	305	1,997	5,745	1,306	1,337.4	1.5	7,723	3,325.0

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

Disease	State or territory										Total 2nd quarter 2015	Total 1st quarter 2015	Total 2nd quarter 2014	Last 5 years mean 2nd quarter	Ratio	Year to date 2015	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	0.2
Australian bat lyssavirus infection	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0	0.2
Brucellosis	0	4	0	1	0	0	0	0	0	0	5	4	4.6	1.1	9	11.4	
Leptospirosis	0	2	1	12	0	0	2	0	0	0	17	23	41.0	0.4	40	87.0	
Lyssavirus infection (NEC)	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0	
Ornithosis	0	0	0	0	1	0	1	0	0	2	1	6	12.6	0.2	3	25.4	
Q fever	0	47	1	63	2	0	11	3	127	153	119	103.8	1.2	279	205.2		
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.3	
Other bacterial infections																	
Legionellosis	0	27	3	24	3	2	22	17	98	95	112	100.6	1.0	192	186.8		
Leprosy	0	1	0	0	0	0	1	0	2	1	4	3.4	0.6	3	4.8		
Meningococcal infection – invasive††	0	13	1	8	7	0	15	3	47	29	41	49.4	1.0	74	89.4		
Tuberculosis	5	117	11	45	6	3	70	31	288	285	301	290.6	1.0	569	608.4		
Total	985	14,302	1,876	16,351	5,856	1,018	9,847	7,796	58,031	68,462	56,105			126,042			

* 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).

** 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 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 April to 30 June 2015, 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	0.5	0.0	0.9	0.7	0.8	0.5	1.2	0.7
Hepatitis B (unspecified)§	22.8	28.5	57.2	22.3	21.6	8.5	29.0	22.1	26.0
Hepatitis C (newly acquired)‡	4.2	0.2	0.0	0.0	2.6	7.0	2.2	7.0	1.8
Hepatitis C (unspecified)§	32.2	43.4	67.0	53.6	27.1	44.3	37.3	37.0	42.1
Hepatitis D	0.0	0.2	0.0	0.3	0.7	0.0	0.1	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	133.9	NN	139.0	136.9	97.8	153.9	62.7	101.7	100.4
Cryptosporidiosis	6.2	11.2	55.6	29.7	29.4	2.3	12.0	9.0	16.4
Haemolytic uraemic syndrome	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Hepatitis A	1.0	0.5	0.0	0.2	0.5	0.8	0.6	0.5	0.5
Hepatitis E	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Listeriosis	0.0	0.4	1.6	0.2	0.2	0.0	0.5	0.0	0.3
STEC, VTEC	0.0	0.1	0.0	0.9	4.0	0.0	0.2	0.0	0.6
Salmonellosis	33.2	47.2	278.0	112.0	84.0	32.6	63.5	60.2	70.2
Shigellosis	0.0	1.7	45.8	4.0	4.3	0.0	7.5	3.3	4.3
Typhoid fever	1.0	0.6	0.0	0.2	0.5	0.0	0.6	0.5	0.5
Quarantinable diseases									
Cholera	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
Human 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	0.0
Sexually transmitted infections									
Chlamydia ^{¶,***}	345.5	288.2	1,087.4	433.4	311.1	319.4	0.5	433.8	273.3
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection**	43.6	67.0	735.9	63.0	57.9	10.1	86.0	81.5	77.2
Syphilis – congenital	0.0	0.0	1.6	0.1	0.0	0.0	0.0	0.0	0.0
Syphilis < 2 years duration**	3.1	8.1	83.4	10.4	2.4	3.1	14.6	5.3	10.1
Syphilis > 2 years or unspecified duration ^{§,***}	3.1	7.6	42.5	5.6	5.9	3.1	12.6	1.2	7.8
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	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Influenza (laboratory confirmed)	133.9	98.4	75.2	214.7	473.7	103.4	128.9	175.9	165.2
Measles	1.0	0.2	0.0	0.3	0.0	0.0	0.6	0.5	0.3
Mumps	0.0	0.7	0.0	1.1	1.9	3.1	0.1	8.7	1.7
Pertussis	141.1	107.5	16.4	28.2	62.2	6.2	68.6	49.9	69.7
Pneumococcal disease – invasive	5.2	7.0	31.1	5.5	7.8	7.8	6.1	6.7	6.7
Poliovirus infection	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	1.0	0.1	0.0	0.0	0.5	0.0	0.0	0.0	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	0.1	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 2015, by state or territory. (Annualised rate per 100,000 population)*,†

Disease	State or territory								Aust.
	ACT	NSW	NT	Qld	SA	Tas.	Vic.	WA	
Vaccine preventable diseases, cont'd									
Varicella zoster (chickenpox)	28.0	NN	37.6	6.7	18.0	7.0	13.8	17.6	13.2
Varicella zoster (shingles)	45.7	NN	130.8	1.2	149.3	34.2	25.1	54.6	38.3
Varicella zoster (unspecified)	27.0	NN	1.6	133.9	8.8	31.9	81.5	53.0	80.6
Vectorborne diseases									
Barmah Forest virus infection	0.0	3.7	8.2	8.0	0.0	0.0	0.2	2.3	3.2
Chikungunya virus infection	0.0	0.3	3.3	0.7	0.2	0.0	0.5	0.3	0.4
Dengue virus infection	0.0	3.2	36.0	4.9	5.2	5.4	3.6	24.0	6.4
Flavivirus infection (unspecified)	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	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	1.0	0.4	1.6	1.3	0.0	0.8	0.7	1.7	0.8
Murray Valley encephalitis virus infection††	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0
Ross River virus infection	3.1	22.5	101.4	92.1	6.4	1.6	6.0	47.6	34.0
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	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Leptospirosis	0.0	0.1	1.6	1.0	0.0	0.0	0.1	0.0	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	0.2	0.0	0.1	0.0	0.0
Q fever	0.0	2.5	1.6	5.3	0.5	0.0	0.8	0.5	2.2
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	4.9	2.0	0.7	1.6	1.5	2.7	1.7
Leprosy	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Meningococcal infection – invasive**	0.0	0.7	1.6	0.7	1.7	0.0	1.0	0.5	0.8
Tuberculosis	5.2	6.2	18.0	3.8	1.4	2.3	4.8	4.8	4.9

* 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 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).

†† 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 and the Australian Capital Territory also report conjunctival cases.

NEC Not elsewhere classified.

NN Not notifiable.