

NATIONAL NOTIFIABLE DISEASES SURVEILLANCE SYSTEM, 1 JULY TO 30 SEPTEMBER 2014

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 64,307 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 July to 30 September 2014 (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

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
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 2014, by date of diagnosis*

Disease	State or territory							Total 3rd quarter 2014	Total 2nd quarter 2014	Total 3rd quarter 2013	Last 5 years mean 3rd quarter	Ratio	Year to date 2014	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	1	0	11	2	2	11	6	33	46	36	52.4	135	158.8
Hepatitis B (unspecified) [†]	25	636	31	269	92	8	434	201	1,696	1,673	1,880	1,787.8	4,976	5,160.4
Hepatitis C (newly acquired) [†]	1	4	0	0	12	4	30	42	93	106	103	101.2	296	318.4
Hepatitis C (unspecified) [†]	37	960	44	703	119	43	525	239	2,670	2,615	2,773	2,700.6	7,729	7,864.4
Hepatitis D	0	3	0	3	0	0	5	1	12	16	8	8.4	38	29.6
Gastrointestinal diseases														
Botulism	0	0	0	0	0	0	0	0	0	1	1	0.4	1	1.4
Campylobacteriosis	105	NN	63	1,551	486	200	1,285	749	4,439	4,731	3,529	3,899.6	13,865	11,749.8
Cryptosporidiosis	2	56	13	101	28	9	163	41	413	671	420	310.6	1,936	2,563.8
Haemolytic uraemic syndrome	0	0	0	1	1	0	1	1	4	5	2	2.4	17	10.2
Hepatitis A	2	16	1	13	0	1	13	5	51	40	45	52.8	176	183.4
Hepatitis E	0	6	0	2	0	0	1	0	9	22	2	5.8	41	28.2
Listeriosis	0	3	0	9	3	2	1	0	18	21	15	14.6	60	59.8
STEC, VTEC [§]	0	0	0	9	10	0	2	1	22	34	78	31.6	96	87.6
Salmonellosis	36	656	90	742	254	26	687	258	2,749	4,302	2,252	1,974.0	12,166	8,659.2
Shigellosis	3	48	23	35	11	1	114	13	248	215	122	114.8	766	414.0
Typhoid	0	8	0	2	2	0	6	3	21	23	16	19.8	90	93.8
Quarantinable diseases														
Cholera	0	0	0	0	0	0	0	0	0	1	0	1.2	2	3.8
Highly pathogenic avian influenza in humans	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
Rabies	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
Smallpox	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
Yellow fever	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0.7

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 July to 30 September 2014, by date of diagnosis*

Disease	State or territory							Total 3rd quarter 2014	Total 2nd quarter 2014	Total 3rd quarter 2013	Last 5 years mean 3rd quarter	Ratio	Year to date 2014	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas	Vic							
Sexually transmissible infections														
Chlamydia infection ^{††}	307	5,571	750	5,110	1,143	427	4,063	2,728	21,736	20,532	18,938.4	1.1	64,080	57,276.6
Donovanosis	0	0	0	0	0	0	0	0	0	0	0.4	0.0	0	0.6
Gonococcal infection [†]	14	1,223	434	595	150	16	671	537	4,062	3,624	2,807.0	1.3	11,864	8,901.6
Syphilis – congenital	0	0	4	0	0	0	0	0	0	3	1.4	2.9	4	3.6
Syphilis <2 years duration [†]	5	148	26	106	11	4	153	23	476	464	359.0	1.3	1,392	1,081.0
Syphilis >2 years or unspecified duration ^{††}	3	112	17	69	28	3	219	14	467	473	372.2	1.2	1,402	1,085.8
Vaccine preventable diseases														
Diphtheria	0	0	0	1	0	0	0	0	0	0	0.0	0.0	1	1.0
<i>Haemophilus influenzae</i> type b	0	3	0	2	1	0	0	0	6	8	5.0	1.2	15	14.6
Influenza (laboratory confirmed)	1,025	18,002	415	13,471	8,616	482	7,324	3,771	4,641	17,042	23,640.2	2.2	61,523	31,061.8
Measles	6	8	0	8	0	5	18	12	73	44	49.0	1.2	304	107.8
Mumps	1	16	0	10	4	2	4	10	38	44	37.6	1.3	148	130.6
Pertussis	87	791	33	302	126	11	1,277	467	2,131	2,990	6,773.0	0.5	7,528	19,771.6
Pneumococcal disease (invasive)	5	185	16	101	62	12	133	72	411	554	651.0	0.9	1,208	1,330.2
Poliovirus	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Rubella	0	2	0	0	1	0	0	0	3	11	10.8	0.3	12	32.8
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	0	0	0.6	0.0	1	3.0
Varicella zoster (chickenpox)	6	NN	34	121	81	11	162	122	483	606	581.4	0.9	1,506	1,388.8
Varicella zoster (shingles)	28	NN	65	7	466	62	305	360	1,359	1,147	917.0	1.4	4,047	2,844.0
Varicella zoster (unspecified)	58	NN	3	1,389	68	38	903	275	2,582	2,671	2,030.4	1.3	8,006	5,823.2
Vectorborne diseases														
Arbovirus infection (NEC)	0	0	0	2	0	0	0	0	10	8	4.2	0.5	26	10.4
Barmah Forest virus infection	0	23	5	45	0	0	5	11	216	796	370.8	0.2	635	1,722.4
Dengue virus infection	1	57	13	36	14	3	4	84	430	508	247.8	0.9	1,289	1,095.4
Japanese encephalitis virus infection	0	0	0	0	1	0	0	0	0	2	0.4	2.5	1	1.0
Kunjin virus infection**	0	0	0	0	0	0	0	0	1	0	0.0	0.0	1	1.0
Malaria	4	19	4	19	1	2	22	9	82	108	113.0	0.7	252	319.8
Murray Valley encephalitis virus infection**	0	0	0	0	0	0	0	0	0	1	0.2	0.0	0	4.2
Ross River virus infection	0	136	74	403	15	0	39	207	1,340	679	584.8	1.5	3,803	3,950.8

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 July to 30 September 2014, by date of diagnosis

Disease	State or territory										Total 3rd quarter 2014	Total 2nd quarter 2014	Total 3rd quarter 2013	Last 5 years mean 3rd quarter	Ratio	Year to date 2014	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.2
Brucellosis	0	1	1	0	0	0	2	0	0	0	3	1	1	7.0	0.6	13	19.8
Leptospirosis	0	3	0	6	1	1	4	1	0	0	16	20	19.4	0.8	73	117.2	
Lyssavirus (NEC)	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0	
Ornithosis	0	1	0	1	0	0	4	0	0	6	9	14.4	0.4	23	42.8		
Q fever	0	41	0	54	1	0	5	3	104	116	118	88.0	1.2	345	279.4		
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.3		
Other bacterial infections																	
Legionellosis	0	11	2	28	9	4	21	30	105	111	174	96.0	1.1	304	275.2		
Leprosy	0	0	0	0	0	0	0	0	0	4	4	2.6	0.0	7	6.6		
Meningococcal infection††	1	7	1	14	15	2	13	4	57	41	49	73.8	0.8	123	172.0		
Tuberculosis	8	134	8	46	9	3	98	45	351	308	335	349.6	1.0	969	948.2		
Total	1,770	28,891	2,170	25,397	11,843	1,384	18,727	10,345	100,527	55,691	64,307			213,295			

* 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 July to 30 September 2014, 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	0.1	0.0	0.9	0.5	1.6	0.8	1.0	0.6
Hepatitis B (unspecified)§	26.2	34.3	51.4	23.1	22.0	6.2	30.2	31.9	29.3
Hepatitis C (newly acquired)‡	1.0	0.2	0.0	0.0	2.9	3.1	2.1	6.7	1.6
Hepatitis C (unspecified)§	38.8	51.8	73.0	60.4	28.5	33.5	36.6	37.9	46.2
Hepatitis D	0.0	0.2	0.0	0.3	0.0	0.0	0.3	0.2	0.2
Gastrointestinal diseases									
Botulism	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campylobacteriosis	110.1	NN	104.5	133.3	116.4	155.9	89.6	118.9	112.9
Cryptosporidiosis	2.1	3.0	21.6	8.7	6.7	7.0	11.4	6.5	7.1
Haemolytic uraemic syndrome	0.0	0.0	0.0	0.1	0.2	0.0	0.1	0.2	0.1
Hepatitis A	2.1	0.9	1.7	1.1	0.0	0.8	0.9	0.8	0.9
Hepatitis E	0.0	0.3	0.0	0.2	0.0	0.0	0.1	0.0	0.2
Listeriosis	0.0	0.2	0.0	0.8	0.7	1.6	0.1	0.0	0.3
STEC,VTEC¶	0.0	0.0	0.0	0.8	2.4	0.0	0.1	0.2	0.4
Salmonellosis	37.7	35.4	149.3	63.8	60.8	20.3	47.9	40.9	47.5
Shigellosis	3.1	2.6	38.1	3.0	2.6	0.8	7.9	2.1	4.3
Typhoid fever	0.0	0.4	0.0	0.2	0.5	0.0	0.4	0.5	0.4
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¶,***	321.9	300.7	1,243.8	439.1	273.7	332.9	283.2	432.9	347.5
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection**	14.7	66.0	719.7	51.1	35.9	12.5	46.8	85.2	62.9
Syphilis – congenital	0.0	0.0	6.6	0.0	0.0	0.0	0.0	0.0	0.1
Syphilis <2 years duration**	5.2	8.0	43.1	9.1	2.6	3.1	10.7	3.6	8.2
Syphilis >2 years or unspecified duration§,***	3.1	6.0	28.2	5.9	6.7	2.3	15.3	2.2	8.0
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	0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.1
Influenza (laboratory confirmed)	1,074.8	971.8	688.2	1,157.5	2,062.9	375.7	510.5	598.4	918.2
Measles	6.3	0.4	0.0	0.7	0.0	3.9	1.3	1.9	1.0
Mumps	1.0	0.9	0.0	0.9	1.0	1.6	0.3	1.6	0.8
Pertussis	91.2	42.7	54.7	26.0	30.2	8.6	89.0	74.1	53.5
Pneumococcal disease (invasive)	5.2	10.0	26.5	8.7	14.8	9.4	9.3	11.4	10.1
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	0.0	0.2	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	0.0	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 2014, 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)	6.3	NN	56.4	10.4	19.4	8.6	11.3	19.4	13.7
Varicella zoster (shingles)	29.4	NN	107.8	0.6	111.6	48.3	21.3	57.1	32.9
Varicella zoster (unspecified)	60.8	NN	5.0	119.4	16.3	29.6	62.9	43.6	69.5
Vectorborne diseases									
Arbovirus infection (NEC)	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0
Barmah Forest virus infection	0.0	1.2	8.3	3.9	0.0	0.0	0.3	1.7	1.5
Dengue virus infection	1.0	3.1	21.6	3.1	3.4	2.3	0.3	13.3	3.7
Japanese encephalitis virus infection	0.0	0.0	0.0	0.0	0.2	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	4.2	1.0	6.6	1.6	0.2	1.6	1.5	1.4	1.4
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	7.3	122.7	34.6	3.6	0.0	2.7	32.8	15.1
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	1.7	0.0	0.0	0.0	0.1	0.0	0.1
Leptospirosis	0.0	0.2	0.0	0.5	0.2	0.8	0.3	0.2	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	0.1	0.0	0.1	0.0	0.0	0.3	0.0	0.1
Q fever	0.0	2.2	0.0	4.6	0.2	0.0	0.3	0.5	1.8
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	0.6	3.3	2.4	2.2	3.1	1.5	4.8	1.8
Leprosy	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Meningococcal infection‡‡	1.0	0.4	1.7	1.2	3.6	1.6	0.9	0.6	1.0
Tuberculosis	8.4	7.2	13.3	4.0	2.2	2.3	6.8	7.1	6.1

* 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.