

NATIONAL NOTIFIABLE DISEASES SURVEILLANCE SYSTEM, 1 JULY TO 30 SEPTEMBER 2013

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 64,122 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 July and 30 September 2013 (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 2013, by date of diagnosis*

Disease	State or territory								Total this quarter 2013	Total last quarter 2012	Total this quarter 2012	Last 5 years mean this quarter	Ratio	Year to date 2013	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) [†]	2	5	1	8	1	1	6	10	44	55	60.0	60.0	0.6	124	173.0
Hepatitis B (unspecified) [†]	33	707	65	243	87	12	448	292	1,887	1,755	1,760.0	1,760.0	1.1	5,287	5,103.4
Hepatitis C (newly acquired) [†]	1	16	0	NN	14	5	28	32	96	74	97.4	97.4	1.0	285	306.2
Hepatitis C (unspecified) [†]	53	940	61	626	116	66	583	331	2,776	2,492	2,705.6	2,705.6	1.0	7,726	7,962.4
Hepatitis D	0	2	0	1	0	0	5	0	8	17	8.6	8.6	0.9	40	28.6
Gastrointestinal diseases															
Botulism	0	1	0	0	0	0	0	0	1	1	0	0.2	5.0	4	0.6
Campylobacteriosis	90	NN	44	860	506	124	1,391	509	3,524	3,221	3,681	3,871.4	0.9	10,207	12,001.2
Cryptosporidiosis	1	74	12	94	20	4	170	45	420	1,138	334	289.4	1.5	3,276	2,219.2
Haemolytic uraemic syndrome	0	1	0	1	0	0	0	0	2	2	3	3.2	0.6	8	12.4
Hepatitis A	3	12	0	13	0	0	14	3	45	42	39	55.2	0.8	156	198.0
Hepatitis E	0	0	0	0	0	0	1	1	2	6	4	7.4	0.3	23	31.4
Listeriosis	0	7	0	0	1	1	5	1	15	17	18	15.0	1.0	61	59.4
STEC, VTEC [§]	0	0	0	64	10	1	2	1	78	28	19	19.2	4.1	149	69.8
Salmonellosis	47	534	94	479	226	34	566	275	2,255	3,046	2,026	1,789.4	1.3	9,443	8,013.0
Shigellosis	1	40	22	15	9	0	27	15	129	116	105	130.2	1.0	387	462.6
Typhoid	1	6	0	2	1	0	2	4	16	29	17	20.4	0.8	112	87.6
Quarantinable diseases															
Cholera	0	0	0	0	0	0	0	0	0	1	1	1.2	0.0	1	3.8
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	0	0	0.0	0.0	0	1.0

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 July to 30 September 2013, by date of diagnosis*

Disease	State or territory										Total this quarter 2013	Total last quarter 2012	Total this quarter 2012	Last 5 years mean this quarter	Ratio	Year to date 2013	Last 5 years YTD mean
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA									
Sexually transmissible infections																	
Chlamydia infection ^{††}	304	5,079	808	4,932	1,312	344	4,663	2,977	20,419	20,794	20,192	17,760.4	1.1	62,192	54,535.6		
Donovanosis	0	0	0	0	0	0	0	0	0	0	1	0.4	0.0	0	1.0		
Gonococcal infection [†]	24	1,069	464	685	213	15	709	447	3,626	3,858	3,196	2,430.6	1.5	11,318	7,804.6		
Syphilis – congenital	0	1	0	0	0	0	0	2	3	2	0	1.0	3.0	6	3.0		
Syphilis < 2 years duration [†]	3	144	10	80	10	3	192	18	460	408	404	330.2	1.4	1,316	1,016.4		
Syphilis > 2 years or unspecified duration ^{††}	3	108	14	76	37	4	140	87	469	462	328	348.4	1.3	1,322	1,020.4		
Vaccine preventable diseases																	
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	1	0.8		
<i>Haemophilus influenzae</i> type b	0	3	0	2	0	0	3	0	8	5	5	4.2	1.9	16	15.4		
Influenza (laboratory confirmed)	388	6,288	114	2,589	2,381	162	3,777	1,295	16,994	2,522	32,898	21,526.0	0.8	21,842	28,208.8		
Measles	0	8	0	15	0	0	19	1	43	17	129	41.2	1.0	70	106.4		
Mumps	0	12	1	13	2	1	9	5	43	63	52	39.8	1.1	178	145.0		
Pertussis	60	560	24	901	224	63	705	442	2,979	2,554	5,480	6,881.4	0.4	9,137	19,309.8		
Pneumococcal disease (invasive)	1	173	20	93	34	13	146	73	553	447	730	668.0	0.8	1,208	1,343.2		
Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0		
Rubella	0	7	0	2	0	0	1	1	11	7	9	11.2	1.0	19	34.2		
Rubella – congenital	0	0	0	0	0	0	0	0	0	1	1	0.2	0.0	1	0.2		
Tetanus	0	0	0	0	0	0	0	0	0	1	2	0.6	0.0	4	3.0		
Varicella zoster (chickenpox)	2	NN	23	127	72	9	229	105	567	433	601	553.8	1.0	1,370	1,308.6		
Varicella zoster (shingles)	12	NN	62	12	403	60	284	303	1,136	1,284	1,083	788.6	1.4	3,619	2,434.8		
Varicella zoster (unspecified)	41	NN	2	1,483	35	25	829	302	2,717	2,240	2,035	1,720.0	1.6	7,189	5,004.6		
Vectorborne diseases																	
Arbovirus infection (NEC)	0	0	0	8	0	0	0	0	8	4	2	3.2	2.5	17	9.0		
Barmah Forest virus infection	2	76	79	461	20	1	13	147	799	1,559	284	284.6	2.8	3,784	1,297.6		
Dengue virus infection	5	85	19	80	20	6	138	155	508	511	201	165.4	3.1	1,509	862.6		
Japanese encephalitis virus infection	0	0	0	2	0	0	0	0	2	2	0	0.2	10.0	4	0.4		
Kunjin virus infection**	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	0	1.2		
Malaria	1	28	8	22	1	3	31	13	107	85	100	122.2	0.9	330	334.6		
Murray Valley encephalitis virus infection**	0	0	0	1	0	0	0	0	1	0	0	0.0	0.0	1	4.4		
Ross River virus infection	2	85	71	321	41	0	26	132	678	1,316	484	602.8	1.1	3,339	4,220.6		

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 July to 30 September 2013, by date of diagnosis

Disease	State or territory										Total this quarter 2013	Total last quarter 2012	Total this quarter 2012	Last 5 years mean this quarter	Ratio	Year to date 2013	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	0.2
Australian bat lyssavirus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
Brucellosis	0	1	0	0	0	0	0	0	0	0	1	4	13	9.6	10	25.4	
Leptospirosis	0	4	0	16	1	0	2	0	0	23	40	11	18.4	1.3	77	121.6	
Lyssavirus (NEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0.0	
Ornithosis	0	1	0	0	0	0	8	0	0	9	16	16	18.0	0.5	32	54.0	
Q fever	0	31	0	67	3	0	12	2	115	141	89	82.0	1.4	356	258.8		
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.5	
Other bacterial infections																	
Legionellosis	0	33	1	80	10	0	14	33	171	113	99	73.8	2.3	381	237.6		
Leprosy	1	0	0	0	0	0	1	1	3	4	2	2.0	1.5	9	6.0		
Meningococcal infection††	1	20	1	5	6	2	10	4	49	27	83	87.2	0.6	115	193.4		
Tuberculosis	5	113	12	29	19	5	105	44	332	290	335	342.2	1.0	943	936.6		
Total	1,087	16,274	2,032	14,508	5,835	964	15,314	8,108	64,122	51,283	79,531			169,005			

* 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 and tuberculosis, the earliest of specimen date, health professional notification date or 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, throat and eye samples, except for South Australia, which reports only cervical, urine and urethral specimens, the Northern Territory and Western Australia exclude 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 2013, 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)‡	2.1	0.3	1.7	0.7	0.2	0.8	0.4	1.6	0.6
Hepatitis B (unspecified)§	35.2	38.7	110.6	21.3	21.0	9.4	31.8	48.0	33.2
Hepatitis C (newly acquired)‡	1.1	0.9	0.0	NN	3.4	3.9	2.0	5.3	2.1
Hepatitis C (unspecified)§	56.5	51.5	103.7	54.8	28.0	51.5	41.4	54.4	48.9
Hepatitis D	0.0	0.1	0.0	0.1	0.0	0.0	0.4	0.0	0.1
Gastrointestinal diseases									
Botulism	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campylobacteriosis	96.0	NN	74.8	75.3	122.2	96.8	98.8	83.7	91.5
Cryptosporidiosis	1.1	4.1	20.4	8.2	4.8	3.1	12.1	7.4	7.4
Haemolytic uraemic syndrome	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Hepatitis A	3.2	0.7	0.0	1.1	0.0	0.0	1.0	0.5	0.8
Hepatitis E	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0
Listeriosis	0.0	0.4	0.0	0.0	0.2	0.8	0.4	0.2	0.3
STEC, VTEC	0.0	0.0	0.0	5.6	2.4	0.8	0.1	0.2	1.4
Salmonellosis	50.1	29.3	159.9	42.0	54.6	26.5	40.2	45.2	39.7
Shigellosis	1.1	2.2	37.4	1.3	2.2	0.0	1.9	2.5	2.3
Typhoid fever	1.1	0.3	0.0	0.2	0.2	0.0	0.1	0.7	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									
Chlamydial infection ^{¶,***}	324.3	278.3	1,374.3	432.1	316.9	268.6	331.3	489.5	359.6
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection ^{**}	25.6	58.6	789.2	60.0	51.4	11.7	50.4	73.5	63.9
Syphilis – congenital	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.3	0.1
Syphilis < 2 years duration ^{**}	3.2	7.9	17.0	7.0	2.4	2.3	13.6	3.0	8.1
Syphilis > 2 years or unspecified duration ^{§,***}	3.2	5.9	23.8	6.7	8.9	3.1	9.9	14.3	8.3
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	0.2	0.0	0.0	0.2	0.0	0.1
Influenza (laboratory confirmed)	414.0	344.5	193.9	226.8	575.0	126.5	268.4	212.9	299.3
Measles	0.0	0.4	0.0	1.3	0.0	0.0	1.4	0.2	0.8
Mumps	0.0	0.7	1.7	1.1	0.5	0.8	0.6	0.8	0.8
Pertussis	64.0	30.7	40.8	78.9	54.1	49.2	50.1	72.7	52.5
Pneumococcal disease (invasive)	1.1	9.5	34.0	8.1	8.2	10.1	10.4	12.0	9.7
Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	0.0	0.4	0.0	0.2	0.0	0.0	0.1	0.2	0.2
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 2013, 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)	2.1	NN	39.1	11.1	17.4	7.0	16.3	17.3	14.7
Varicella zoster (shingles)	12.8	NN	105.5	1.1	97.3	46.8	20.2	49.8	29.5
Varicella zoster (unspecified)	43.7	NN	3.4	129.9	8.5	19.5	58.9	49.7	70.5
Vectorborne diseases									
Arbovirus infection (NEC)	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.1
Barmah Forest virus infection	2.1	4.2	134.4	40.4	4.8	0.8	0.9	24.2	14.1
Dengue virus infection	5.3	4.7	32.3	7.0	4.8	4.7	9.8	25.5	8.9
Japanese encephalitis virus infection	0.0	0.0	0.0	0.2	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	1.5	13.6	1.9	0.2	2.3	2.2	2.1	1.9
Murray Valley encephalitis virus infection††	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Ross River virus infection	2.1	4.7	120.8	28.1	9.9	0.0	1.8	21.7	11.9
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	0.0	0.0	0.0	0.0	0.0	0.0
Leptospirosis	0.0	0.2	0.0	1.4	0.2	0.0	0.1	0.0	0.4
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	0.0	0.0	0.0	0.6	0.0	0.2
Q fever	0.0	1.7	0.0	5.9	0.7	0.0	0.9	0.3	2.0
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	1.8	1.7	7.0	2.4	0.0	1.0	5.4	3.0
Leprosy	1.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1
Meningococcal infection††	1.1	1.1	1.7	0.4	1.4	1.6	0.7	0.7	0.9
Tuberculosis	5.3	6.2	20.4	2.5	4.6	3.9	7.5	7.2	5.8

* 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 and tuberculosis, the earliest of specimen date, health professional notification date or 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, throat and eye samples, except for South Australia, which reports only cervical, urine and urethral specimens; the Northern Territory and Western Australia exclude 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.