

NATIONAL NOTIFIABLE DISEASES SURVEILLANCE SYSTEM TABLES

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 53,347 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 January and

31 March 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
Vaccine preventable diseases	
Diphtheria	All jurisdictions
<i>Haemophilus influenzae</i> type b	All jurisdictions

Table 1 : Reporting of notifiable diseases by jurisdiction

Disease	Data received from:
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 January to 31 March 2013, by date of diagnosis*

Disease	State or territory										Ratio	Year to date 2013	Last 5 years YTD mean						
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	Total 1st quarter 2013	Total 4th quarter 2012				Total 1st quarter 2012	Last 5 years mean 1st quarter				
Bloodborne diseases																			
Hepatitis (NEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0	0.0
Hepatitis B (newly acquired) [†]	1	10	0	12	3	2	9	11				48	53	53	57.4		0.8	48	57.4
Hepatitis B (unspecified) [‡]	29	564	52	209	79	12	492	201				1,638	1,523	1,630	1,683.8		1.0	1,638	1,683.8
Hepatitis C (newly acquired) [†]	6	13	1	NN	22	5	34	30				111	106	123	101.8		1.1	111	101.8
Hepatitis C (unspecified) [‡]	33	808	57	612	93	48	512	288				2,451	2,368	2,541	2,656.0		0.9	2,451	2,656.0
Hepatitis D	0	1	1	4	2	0	4	0				12	7	8	9.2		1.3	12	9.2
Gastrointestinal diseases																			
Botulism	0	1	0	0	0	0	1	0				2	0	0	0.2		10.0	2	0.2
Campylobacteriosis	105	NN	47	918	386	199	1,399	417				3,471	3,814	4,814	4,540.0		0.8	3,471	4,540.0
Cryptosporidiosis	19	590	26	286	37	42	575	143				1,718	432	1,453	1,246.2		1.4	1,718	1,246.2
Haemolytic uraemic syndrome	0	3	0	1	0	0	0	0				4	4	7	5.2		0.8	4	5.2
Hepatitis A	1	30	0	7	6	0	18	5				67	44	44	68.8		1.0	67	68.8
Hepatitis E	0	7	0	0	0	0	4	3				14	6	15	14.4		1.0	14	14.4
Listeriosis	1	11	1	6	0	1	6	3				29	27	27	27.4		1.1	29	27.4
STEC, VTEC [§]	1	10	0	7	22	0	4	0				44	32	36	32.4		1.4	44	32.4
Salmonellosis	72	1,131	119	1,092	252	113	1,009	362				4,150	2,761	3,961	3,802.2		1.1	4,150	3,802.2
Shigellosis	4	39	28	23	6	1	24	18				143	129	191	193.4		0.7	143	193.4
Typhoid Fever	1	23	0	12	5	0	24	3				68	31	56	43.2		1.6	68	43.2
Quarantinable diseases																			
Cholera	0	0	0	0	0	0	0	0				0	0	0	0.8		0.0	0	0.8
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	0.0

Table 2: Notifications of diseases received by state and territory health authorities, 1 January to 31 March 2013, by date of diagnosis*

Disease	State or territory							Total 1st quarter 2013	Total 4th quarter 2012	Total 1st quarter 2012	Last 5 years mean 1st quarter	Ratio	Year to date 2013	Last 5 years YTD mean	
	ACT	NSW	NT	Qld	SA	Tas	Vic								WA
Sexually transmissible infections															
Chlamydia infection ^{III}	324	5,345	647	4,807	1,370	411	4,992	2,981	20,877	19,277	22,536	18,491.8	1.1	20,877	18,491.8
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	0	0.2
Gonococcal infection ^{II}	39	1,101	435	702	117	12	788	528	3,722	3,381	3,610	2,648.0	1.4	3,722	2,648.0
Syphilis – congenital	0	0	0	1	0	0	0	0	1	0	0	1.2	0.8	1	1.2
Syphilis < 2 years ^{II}	4	163	4	76	8	6	99	26	386	344	350	350.0	1.1	386	350.0
Syphilis > 2 years or unspecified duration ^{III}	2	77	15	83	31	5	183	35	431	296	332	333.8	1.3	431	333.8
Vaccine preventable diseases															
Diphtheria	0	0	0	0	1	0	0	0	1	0	0	0.0	0.0	1	0.0
<i>Haemophilus influenzae</i> type b	0	2	0	1	0	0	0	0	3	3	3	4.4	0.7	3	4.4
Influenza (laboratory confirmed)	44	397	132	795	318	8	326	289	2,309	2,902	1,274	1,062.4	2.2	2,309	1,062.4
Measles	0	1	0	1	2	0	3	3	10	29	10	42.8	0.2	10	42.8
Mumps	0	23	0	8	1	2	9	28	71	40	40	59.2	1.2	71	59.2
Pertussis	48	635	38	1,217	156	323	776	399	3,592	5,800	7,240	6,726.2	0.5	3,592	6,726.2
Pneumococcal disease (invasive)	2	65	15	38	16	6	51	21	214	345	235	216.4	1.0	214	216.4
Poliomyelitis	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Rubella	0	1	0	0	0	0	0	0	1	5	13	12.8	0.1	1	12.8
Rubella Congenital	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Tetanus	0	1	0	0	1	0	0	1	3	4	1	1.8	1.7	3	1.8
Varicella zoster (Chickenpox)	7	NN	39	48	90	2	134	49	369	490	402	351.2	1.1	369	351.2
Varicella zoster (Shingles)	5	NN	44	13	463	70	288	296	1,179	1,131	1,085	836.0	1.4	1,179	836.0
Varicella zoster (Unspecified)	31	NN	1	1,187	36	20	668	313	2,256	2,269	2,078	1,660.0	1.4	2,256	1,660.0
Vectorborne diseases															
Arbovirus infection (NEC)	0	0	1	4	0	0	0	0	5	1	3	3.8	1.3	5	3.8
Barmah Forest virus infection	3	133	130	661	33	0	25	443	1,428	642	454	624.8	2.3	1,428	624.8
Dengue virus infection	3	59	18	165	17	3	96	122	483	218	696	477.4	1.0	483	477.4
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	1	0.2	0.0	0	0.2
Kunjin virus infection	0	0	0	0	0	0	0	0	0	0	0	0.6	0.0	0	0.6

Table 2: Notifications of diseases received by state and territory health authorities, 1 January to 31 March 2013, by date of diagnosis*

Disease	State or territory										Ratio	Year to date 2013	Last 5 years YTD mean			
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	Total 1st quarter 2013	Total 4th quarter 2012				Total 1st quarter 2012	Last 5 years mean 1st quarter	
Malaria	8	24	7	44	2	2	21	29	137	95	76	108.0	1.3	137	108.0	
Murray Valley encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	1	2.4	0.0	0	2.4	
Ross River virus infection	1	115	70	495	51	4	57	546	1,339	688	2,298	2,272.8	0.6	1,339	2,272.8	
Zoonoses																
Anthrax	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	0	0.2	
Australian bat lyssavirus	0	0	0	1	0	0	0	0	1	0	0	0.0	0.0	1	0.0	
Brucellosis	0	0	0	5	0	0	0	0	5	6	7	7.8	0.6	5	7.8	
Leptospirosis	0	2	0	12	0	0	0	0	14	10	48	60.6	0.2	14	60.6	
Lymphovirus (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	3	3	7	31	12	17.0	0.4	7	17.0	
Q fever	0	28	0	47	7	0	9	2	93	81	108	95.2	1.0	93	95.2	
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0.5	0.0	0	0.5	
Other bacterial infections																
Legionellosis	0	20	0	20	14	2	23	16	95	98	95	73.6	1.3	95	73.6	
Leprosy	0	1	00	0	0	0	1	0	2	2	0	1.4	1.4	2	1.4	
Meningococcal disease (invasive)**	1	8	0	10	6	1	7	6	39	39	34	44.8	0.9	39	44.8	
Tuberculosis	5	86	13	53	19	2	93	33	304	382	322	302.0	1.0	304	302.0	
Total	800	11,529	1,941	13,683	3,672	1,302	12,767	7,653	53,347	49,946	58,323			53,347		

* Date of diagnosis is the date of symptom onset, or if this is not available, the earliest of the specimen collection date, the notification date (when the health professional signed the form or laboratory issued the results), or the notification receive date (when notification of the disease was received by the health authority). Hepatitis B and C and tuberculosis were analysed by date of notification.

† Newly-acquired hepatitis includes cases where the infection was determined to have been acquired within 24 months prior to diagnosis.

‡ Unspecified hepatitis and syphilis includes cases where the duration of infection could not be determined.

§ Infections with Shiga-like toxin (verotoxin) producing *Escherichia coli*.

|| In the national case definitions for chlamydia, gonococcal and syphilis infection, the mode of transmission cannot be inferred from the site of infection. Transmission (especially in children) may be by a non-sexual mode.

¶ Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral, throat and eye samples, except for in South Australia, where only genital tract specimens are reported, and the Northern Territory and Western Australia where ocular specimens are excluded, and Western Australia also excludes perinatal infection.

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

NN Not notifiable

NEC Not elsewhere classified

Table 3: Notification rates of diseases, 1 January to 31 March 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) [‡]	1.1	0.6	0.0	1.1	0.7	1.6	0.7	1.9	0.9
Hepatitis B (unspecified) [§]	32.5	31.7	92.5	18.7	19.6	9.6	35.9	35.1	29.7
Hepatitis C (newly acquired) [‡]	6.7	0.7	1.8	NN	5.4	4.0	2.5	5.2	2.5
Hepatitis C (unspecified) [§]	37.0	45.4	101.4	54.8	23.0	38.5	37.3	50.3	44.4
Hepatitis D	0.0	0.1	1.8	0.4	0.5	0.0	0.3	0.0	0.2
Gastrointestinal diseases									
Botulism	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Campylobacteriosis	117.7	NN	83.6	82.2	95.6	159.8	102.0	72.8	92.9
Cryptosporidiosis	21.3	33.1	46.3	25.6	9.2	33.7	41.9	25.0	31.1
Haemolytic uraemic syndrome	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Hepatitis A	1.1	1.7	0.0	0.6	1.5	0.0	1.3	0.9	1.2
Hepatitis E	0.0	0.4	0.0	0.0	0.0	0.0	0.3	0.5	0.3
Listeriosis	1.1	0.6	1.8	0.5	0.0	0.8	0.4	0.5	0.5
STEC, VTEC	1.1	0.6	0.0	0.6	5.4	0.0	0.3	0.0	0.8
Salmonellosis	80.7	63.5	211.8	97.7	62.4	90.8	73.6	63.2	75.2
Shigellosis	4.5	2.2	49.8	2.1	1.5	0.8	1.8	3.1	2.6
Typhoid Fever	1.1	1.3	0.0	1.1	1.2	0.0	1.8	0.5	1.2
Quarantinable diseases									
Cholera	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0
Sexually transmissible infections									
Chlamydial infection ^{¶¶}	363.3	300.1	1,151.5	430.3	339.1	330.1	364.1	520.2	378.4
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection [¶]	43.7	61.8	774.2	62.8	29.0	9.6	57.5	92.1	67.5
Syphilis - congenital	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Syphilis < 2 years [¶]	4.5	9.2	7.1	6.8	2.0	4.8	7.2	4.5	7.0
Syphilis > 2 years or unspecified duration [¶]	2.2	4.3	26.7	7.4	7.7	4.0	13.3	6.1	7.8
Vaccine preventable diseases									
Diphtheria	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
<i>Haemophilus influenzae</i> type b	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1
Influenza (laboratory confirmed)	49.3	22.3	234.9	71.2	78.7	6.4	23.8	50.4	41.9
Measles	0.0	0.1	0.0	0.1	0.5	0.0	0.2	0.5	0.2
Mumps	0.0	1.3	0.0	0.7	0.2	1.6	0.7	4.9	1.3
Pertussis	53.8	35.7	67.6	108.9	38.6	259.4	56.6	69.6	65.1
Pneumococcal disease (invasive)	2.2	3.6	26.7	3.4	4.0	4.8	3.7	3.7	3.9
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	0.0	0.0	0.0	0.0	0.0
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	0.2	0.0	0.0	0.2	0.1

Table 3: Notification rates of diseases, 1 January to 31 March 2013, 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)	7.8	NN	69.4	4.3	22.3	1.6	9.8	8.6	9.9
Varicella zoster (Shingles)	5.6	NN	78.3	1.2	114.6	56.2	21.0	51.7	31.6
Varicella zoster (Unspecified)	34.8	NN	1.8	106.3	8.9	16.1	48.7	54.6	60.4
Vectorborne diseases									
Arbovirus infection (NEC)	0.0	0.0	1.8	0.4	0.0	0.0	0.0	0.0	0.1
Barmah Forest virus infection	3.4	7.5	231.4	59.2	8.2	0.0	1.8	77.3	25.9
Dengue virus infection	3.4	3.3	32.0	14.8	4.2	2.4	7.0	21.3	8.8
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	9.0	1.3	12.5	3.9	0.5	1.6	1.5	5.1	2.5
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	1.1	6.5	124.6	44.3	12.6	3.2	4.2	95.3	24.3
Zoonoses									
Anthrax	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Australian bat lyssavirus	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Brucellosis	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1
Leptospirosis	0.0	0.1	0.0	1.1	0.0	0.0	0.0	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	0.1	0.0	0.0	0.0	0.0	0.2	0.5	0.1
Q fever	0.0	1.6	0.0	4.2	1.7	0.0	0.7	0.3	1.7
Tularaemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Other bacterial infections									
Legionellosis	0.0	1.1	0.0	1.8	3.5	1.6	1.7	2.8	1.7
Leprosy	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Meningococcal disease (invasive)**	1.1	0.4	0.0	0.9	1.5	0.8	0.5	1.0	0.7
Tuberculosis	5.6	4.8	23.1	4.7	4.7	1.6	6.8	5.8	5.5

* Date of diagnosis is the date of symptom onset, or if this is not available, the earliest of the specimen collection date, the notification date (when the health professional signed the form or laboratory issued the results) or the notification receive date (when notification of the disease was received by the health authority). Hepatitis B and C and tuberculosis were analysed by date of notification.

† Rate per 100,000 population. The annualisation factor was 4.0.

‡ Newly-acquired hepatitis and syphilis includes cases where the infection was determined to have been acquired within 24 months prior to diagnosis.

§ Unspecified hepatitis includes cases where the duration of infection could not be determined.

|| Infections with Shiga-like toxin (verotoxin) producing *Escherichia coli*.

¶ In the national case definitions for chlamydial, gonococcal and syphilis infection, the mode of transmission cannot be inferred from the site of infection. Transmission (especially in children) may be by a non-sexual mode.

** Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral, throat and eye samples, except for in South Australia, where only genital tract specimens are reported, and the Northern Territory and Western Australia where ocular specimens are excluded, and Western Australia also excludes perinatal infection.

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

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