

# NATIONAL NOTIFIABLE DISEASES SURVEILLANCE SYSTEM, 1 APRIL TO 30 JUNE 2013

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 104,327 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 April and 30 June 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:
<b>Bloodborne diseases</b>	
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
<b>Gastrointestinal diseases</b>	
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
<b>Quarantinable diseases</b>	
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
<b>Sexually transmissible infections</b>	
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:
<b>Vaccine preventable diseases</b>	
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
<b>Vectorborne diseases</b>	
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
<b>Zoonoses</b>	
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
<b>Other bacterial infections</b>	
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 April to 30 June 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							
<b>Bloodborne diseases</b>															
Hepatitis (NEC)	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Hepatitis B (newly acquired) <sup>†</sup>	1	9	2	10	2	0	14	6	44	45	34	55.4	113.0	89	113.0
Hepatitis B (unspecified) <sup>†</sup>	19	567	155	194	77	18	457	280	1,767	1,645	1,583	1,624.0	3,305.4	3,402	3,305.4
Hepatitis C (newly acquired) <sup>†</sup>	2	2	0	NN	10	6	22	24	66	108	116	106.0	207.8	172	207.8
Hepatitis C (unspecified) <sup>†</sup>	48	835	98	594	86	48	469	306	2,484	2,464	2,248	2,581.2	5,234.0	4,937	5,234.0
Hepatitis D	0	3	0	5	1	0	6	1	16	14	10	11.2	20.6	30	20.6
<b>Gastrointestinal diseases</b>															
Botulism	0	0	0	0	0	0	1	0	1	2	0	0.2	0.4	3	0.4
Campylobacteriosis	70	NN	61	792	432	136	1,338	364	3,193	3,515	3,270	3,591.4	8,131.6	6,667	8,131.6
Cryptosporidiosis	12	290	33	210	49	19	379	125	1,117	1,736	919	684.0	1,930.2	2,842	1,930.2
Haemolytic uraemic syndrome	0	0	1	0	0	0	1	0	2	4	5	4.0	9.2	6	9.2
Hepatitis A	0	11	0	10	1	0	14	6	42	70	37	74.2	142.6	110	142.6
Hepatitis E	0	4	0	1	0	0	1	0	6	15	8	9.6	24.0	21	24.0
Listeriosis	0	7	0	3	1	0	4	2	17	29	21	17.2	44.6	46	44.6
STEC, VTEC <sup>§</sup>	0	6	0	5	11	0	3	1	26	45	23	18.2	50.6	71	50.6
Salmonellosis	114	844	93	608	270	54	712	334	3,029	4,190	2,454	2,423.6	6,225.2	7,180	6,225.2
Shigellosis	2	20	32	22	5	0	25	9	115	145	119	138.8	332.2	258	332.2
Typhoid	0	17	0	5	0	0	6	1	29	69	21	24.0	67.2	97	67.2
<b>Quarantinable diseases</b>															
Cholera	0	0	0	0	0	0	1	0	1	0	4	1.8	2.6	1	2.6
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	1.0	1.0	0	1.0

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 April to 30 June 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							
<b>Sexually transmissible infections</b>															
Chlamydia infection <sup>††</sup>	334	5,099	745	4,778	1,346	429	4,992	3,019	20,742	21,045	20,359	18,272.0	1.1	41,633	36,763.6
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	0.4	0.0	0	0.6
Gonococcal infection <sup>††</sup>	22	1,042	523	717	262	22	775	472	3,835	3,768	3,454	2,713.2	1.4	7,564	5,361.2
Syphilis – congenital	0	2	0	0	0	0	0	0	2	1	0	0.6	3.3	3	1.8
Syphilis < 2 years duration <sup>††</sup>	1	121	3	61	20	4	142	23	375	443	395	337.4	1.1	815	688.8
Syphilis > 2 years or unspecified duration <sup>††</sup>	4	105	49	50	26	3	135	64	436	403	308	329.0	1.3	834	664.0
<b>Vaccine preventable diseases</b>															
Diphtheria	0	0	0	0	0	0	0	0	0	1	0	0.8	0.0	1	0.8
<i>Haemophilus influenzae</i> type b	0	2	0	2	0	0	1	0	5	3	4	6.8	0.7	8	11.2
Influenza (laboratory confirmed)	58	269	38	649	421	12	494	209	2,510	2,341	7,338	5,624.6	0.4	4,824	6,687.4
Measles	0	9	0	4	1	0	3	0	17	10	31	22.4	0.8	27	65.2
Mumps	1	33	0	12	0	1	2	9	58	74	69	46.4	1.3	131	105.4
Pertussis	37	501	28	834	137	88	589	322	2,536	3,634	5,384	5,709.4	0.4	6,137	12,435.8
Pneumococcal disease (invasive)	5	135	12	86	35	7	104	54	438	214	505	462.0	0.9	652	678.0
Poliovirus	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Rubella	0	4	0	1	1	0	1	0	7	2	9	10.2	0.7	9	23.0
Rubella – congenital	0	0	0	0	1	0	0	0	1	0	0	0.0	0.0	1	0.0
Tetanus	0	1	0	0	0	0	0	0	1	3	0	0.6	1.7	4	2.4
Varicella zoster (chickenpox)	1	NN	19	48	101	8	176	80	433	373	458	401.2	1.1	804	755.0
Varicella zoster (shingles)	20	NN	66	8	490	51	290	339	1,264	1,210	1,119	805.8	1.6	2,460	1,646.8
Varicella zoster (unspecified)	30	NN	1	1,196	34	23	658	297	2,239	2,279	2,037	1,630.2	1.4	4,480	3,284.6
<b>Vectorborne diseases</b>															
Arbovirus infection (NEC)	0	0	0	5	0	0	0	0	5	5	3	2.4	2.1	10	5.8
Barmah Forest virus infection	1	133	168	828	23	2	24	361	1,540	1,427	332	387.8	4.0	2,959	1,012.4
Dengue virus infection	1	68	14	182	15	3	94	118	495	489	419	220.4	2.2	980	697.6
Japanese encephalitis virus infection	0	0	0	0	1	0	0	1	2	0	0	0.0	0.0	2	0.2
Kunjin virus infection	0	0	0	0	0	0	0	0	0	0	0	0.4	0.0	0	1.0
Malaria	2	14	2	24	2	5	18	18	85	137	73	104.6	0.8	222	212.6
Murray Valley encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	2.0	0.0	0	4.4
Ross River virus infection	0	197	72	595	36	1	34	363	1,298	1,349	1,199	1,345.0	1.0	2,642	3,617.4

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 April to 30 June 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							
<b>Zoonoses</b>															
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	1	0	0	0.0	0.0	1	0.0
Bruceellosis	0	0	0	4	0	0	0	0	6	3	3	8.0	8.0	9	15.8
Leptospirosis	0	3	2	32	0	0	1	1	16	47	16	43.4	43.4	54	104.0
Lyssavirus (NEC)	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0
Ornithosis	0	4	0	0	0	0	11	0	8	15	8	18.8	18.8	22	36.0
Q fever	0	45	0	77	3	0	15	2	97	81	142	81.6	81.6	238	177.0
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.5
<b>Other bacterial infections</b>															
Legionellosis	0	29	1	29	13	2	15	22	99	89	111	89.8	89.8	208	164.0
Leprosy	0	0	1	0	0	0	0	2	2	1	3	2.0	2.0	5	3.4
Meningococcal infection**	1	6	1	9	5	0	3	3	39	67	28	61.4	61.4	67	106.4
Tuberculosis	3	104	9	43	9	0	83	31	309	270	282	278.4	278.4	589	580.2
<b>Total</b>	<b>789</b>	<b>10,901</b>	<b>2,229</b>	<b>12,733</b>	<b>3,927</b>	<b>942</b>	<b>12,113</b>	<b>7,269</b>	<b>50,903</b>	<b>53,884</b>	<b>54,941</b>			<b>104,327</b>	

\* Date of diagnosis = the true diagnosis. If this is not available, the 'date of onset' is equivalent to the earliest of two dates: (i) specimen date of collection, or (ii) the date of notification to the public health unit. Hepatitis B and C unspecified were analysed by the 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 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. However, New South Wales, the Australian Capital Territory and South Australia 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 2013, by state or territory. (Annualised rate per 100,000 population)\*,†**

Disease	State or territory								Aust
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	
<b>Bloodborne diseases</b>									
Hepatitis (NEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis B (newly acquired) <sup>‡</sup>	1.1	0.5	3.4	0.9	0.5	0.0	1.0	1.0	0.8
Hepatitis B (unspecified) <sup>§</sup>	20.3	31.1	263.6	17.0	18.6	14.1	32.5	46.0	31.1
Hepatitis C (newly acquired) <sup>‡</sup>	2.1	0.1	0.0	NN	2.4	4.7	1.6	3.9	1.5
Hepatitis C (unspecified) <sup>§</sup>	51.2	45.7	166.7	52.0	20.8	37.5	33.3	50.3	43.8
Hepatitis D	0.0	0.2	0.0	0.4	0.2	0.0	0.4	0.2	0.3
<b>Gastrointestinal diseases</b>									
Botulism	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Campylobacteriosis	74.7	NN	103.7	69.4	104.3	106.2	95.1	59.9	82.9
Cryptosporidiosis	12.8	15.9	56.1	18.4	11.8	14.8	26.9	20.6	19.7
Haemolytic uraemic syndrome	0.0	0.0	1.7	0.0	0.0	0.0	0.1	0.0	0.0
Hepatitis A	0.0	0.6	0.0	0.9	0.2	0.0	1.0	1.0	0.7
Hepatitis E	0.0	0.2	0.0	0.1	0.0	0.0	0.1	0.0	0.1
Listeriosis	0.0	0.4	0.0	0.3	0.2	0.0	0.3	0.3	0.3
STEC,VTEC <sup>  </sup>	0.0	0.3	0.0	0.4	2.7	0.0	0.2	0.2	0.5
Salmonellosis	121.6	46.2	158.2	53.3	65.2	42.2	50.6	54.9	53.4
Shigellosis	2.1	1.1	54.4	1.9	1.2	0.0	1.8	1.5	2.0
Typhoid fever	0.0	0.9	0.0	0.4	0.0	0.0	0.4	0.2	0.5
<b>Quarantinable diseases</b>									
Cholera	0.0	0.0	0.0	0.0	0.0	0.0	0.1	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
<b>Sexually transmitted infections</b>									
Chlamydial infection <sup>¶,**</sup>	356.4	279.4	1,267.1	418.6	325.1	334.9	354.7	496.4	365.3
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection <sup>¶</sup>	23.5	57.1	889.5	62.8	63.3	17.2	55.1	77.6	67.5
Syphilis – congenital	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syphilis < 2 years duration <sup>¶</sup>	1.1	6.6	5.1	5.3	4.8	3.1	10.1	3.8	6.6
Syphilis > 2 years or unspecified duration <sup>¶,§</sup>	4.3	5.8	83.3	4.4	6.3	2.3	9.6	10.5	7.7
<b>Vaccine preventable diseases</b>									
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	0.1	0.0	0.2	0.0	0.0	0.1	0.0	0.1
Influenza (laboratory confirmed)	61.9	34.5	64.6	56.9	101.7	9.4	35.1	34.4	44.2
Measles	0.0	0.5	0.0	0.4	0.2	0.0	0.2	0.0	0.3
Mumps	1.1	1.8	0.0	1.1	0.0	0.8	0.1	1.5	1.0
Pertussis	39.5	27.4	47.6	73.1	33.1	68.7	41.9	52.9	44.7
Pneumococcal disease (invasive)	5.3	7.4	20.4	7.5	8.5	5.5	7.4	8.9	7.7
Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	0.0	0.2	0.0	0.1	0.2	0.0	0.1	0.0	0.1
Rubella – congenital	0.0	0.0	0.0	0.0	0.2	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 2013, by state or territory. (Annualised rate per 100,000 population)\*,†**

Disease	State or territory								Aust
	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	
<b>Vaccine preventable diseases, cont'd</b>									
Varicella zoster (chickenpox)	1.1	NN	32.3	4.2	24.4	6.2	12.5	13.2	11.2
Varicella zoster (shingles)	21.3	NN	112.3	0.7	118.3	39.8	20.6	55.7	32.8
Varicella zoster (unspecified)	32.0	NN	1.7	104.8	8.2	18.0	46.8	48.8	58.1
<b>Vectorborne diseases</b>									
Arbovirus infection (NEC)	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1
Barmah Forest virus infection	1.1	7.3	285.7	72.5	5.6	1.6	1.7	59.4	27.1
Dengue virus infection	1.1	3.7	23.8	15.9	3.6	2.3	6.7	19.4	8.7
Japanese encephalitis virus infection	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	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	0.8	3.4	2.1	0.5	3.9	1.3	3.0	1.5
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	0.0	10.8	122.5	52.1	8.7	0.8	2.4	59.7	22.9
<b>Zoonoses</b>									
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	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.1
Leptospirosis	0.0	0.2	3.4	2.8	0.0	0.0	0.1	0.2	0.7
Lyssavirus (NEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Ornithosis	0.0	0.2	0.0	0.0	0.0	0.0	0.8	0.0	0.3
Q fever	0.0	2.5	0.0	6.7	0.7	0.0	1.1	0.3	2.5
Tularaemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Other bacterial diseases</b>									
Legionellosis	0.0	1.6	1.7	2.5	3.1	1.6	1.1	3.6	2.0
Leprosy	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.3	0.1
Meningococcal infection††	1.1	0.3	1.7	0.8	1.2	0.0	0.2	0.5	0.5
Tuberculosis	3.2	5.7	15.3	3.8	2.2	0.0	5.9	5.1	5.0

\* Date of Diagnosis = the true diagnosis. If this is not available, the 'date of onset' is equivalent to the earliest of two dates: (i) specimen date of collection, or (ii) the date of notification to the public health unit. Hepatitis B and C unspecified were analysed by the date of notification.

† 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.

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

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

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

\*\* 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 infections are excluded, and Western Australia also excludes perinatal infection.

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

NEC Not elsewhere classified.

NN Not notifiable.