

# Additional Reports

## National Notifiable Diseases Surveillance System tables

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 45,254 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 October and 31 December 2012 (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 except South Australia

**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 October to 31 December 2012, by date of diagnosis\*

Disease	State or territory								Total 3rd quarter 2012	Total 2nd quarter 2012	Total 3rd quarter 2011	Last 5 years mean 3rd quarter	Ratio††	Year to date 2012	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	3	0	3	0	1	0.4	7.5	3	0.4
Hepatitis B (newly acquired)†	0	8	1	16	3	1	10	9	9	48	52	57.0	0.8	184	243.6
Hepatitis B (unspecified)‡	25	512	39	186	72	19	302	217	217	1,755	1,571	1,628.4	0.8	6,358	6,754.8
Hepatitis C (newly acquired)†	1	15	0	NN	16	5	36	40	40	103	87	94.6	1.2	437	389.0
Hepatitis C (unspecified)‡	31	736	68	605	74	63	500	277	277	2,471	2,318	2,606.4	0.9	9,643	10,847.8
Hepatitis D	0	2	0	2	1	0	1	0	0	5	4	6.8	0.9	28	35.8
<b>Gastrointestinal diseases</b>															
Botulism	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.8
Campylobacteriosis	101	NN	36	1,018	444	267	928	528	528	3,686	4,367	4,559.8	0.7	15,078	16,656.8
Cryptosporidiosis	1	136	14	92	12	5	77	59	59	332	412	466.4	0.8	3,094	2,544.2
Haemolytic uraemic syndrome	0	0	0	1	0	0	3	0	0	3	4	5.4	0.7	18	17.2
Hepatitis A	0	15	0	7	2	1	15	2	2	39	40	83.6	0.5	163	283.6
Hepatitis E	0	4	0	1	0	0	2	0	0	5	9	5.6	1.3	35	34.6
Listeriosis	0	12	0	2	0	1	7	3	3	18	22	17.0	1.5	92	70.2
STEC, VTEC§	0	3	0	12	11	1	4	1	1	19	36	34.2	0.9	110	101.2
Salmonellosis	59	825	78	664	154	71	657	272	272	2,024	2,907	2,508.6	1.1	11,217	10,289.8
Shigellosis	2	32	19	23	3	2	31	15	15	106	140	150.0	0.8	544	617.0
Typhoid Fever	0	12	0	5	1	0	6	7	7	15	31	23.8	1.3	122	108.0
<b>Quarantinable diseases</b>															
Cholera	0	0	0	0	0	0	3	0	0	2	1	1.4	2.1	10	5.0
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	2.0

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 October to 31 December 2012, by date of diagnosis\*

Disease	State or territory								Total 3rd quarter 2012	Total 2nd quarter 2012	Total 3rd quarter 2011	Last 5 years mean 3rd quarter	Ratio††	Year to date 2012	Last 5 years YTD mean
	ACT	NSW	NT	QLD	SA	TAS	VIC	WA							
<b>Sexually transmissible infections</b>															
Chlamydial infection <sup>††</sup>	304	4,916	542	4,529	1,041	406	1,231	2,781	15,750	19,979	19,608	16,003.8	1.0	78,616	65,700.0
Donovanosis	0	0	0	0	0	0	0	0	0	1	0	0.0	0.0	1	1.4
Gonococcal infection <sup>††</sup>	26	960	351	652	78	14	460	530	3,071	3,090	3,202	2,298.0	1.3	13,232	9,188.0
Syphilis – congenital	0	0	0	0	0	0	0	0	0	0	1	1.4	0.0	1	5.2
Syphilis < 2 years <sup>††</sup>	4	48	3	70	22	2	85	24	258	393	307	299.4	0.9	1,415	1,302.8
Syphilis > 2 years or unspecified duration <sup>††</sup>	5	29	15	50	NN	6	136	20	261	316	320	320.4	0.8	1,196	1,333.8
<b>Vaccine preventable diseases</b>															
Diphtheria	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.8
<i>Haemophilus influenzae</i> type b	0	0	0	2	0	0	1	0	3	5	2	4.4	0.7	15	19.8
Influenza (laboratory confirmed)	40	479	66	789	859	35	547	220	3,035	32,877	2,905	2,012.6	1.5	44,525	23,887.4
Measles	0	20	1	0	3	0	0	5	29	129	50	14.4	2.0	199	88.8
Mumps	0	11	0	10	4	1	7	4	37	48	42	86.8	0.4	192	257.0
Pertussis	168	1,143	38	2,158	218	453	1,015	456	5,649	5,458	10,336	8,144.6	0.7	23,677	24,478.2
Pneumococcal disease (invasive)	7	120	10	63	23	9	82	43	357	719	386	348.6	1.0	1,811	1,635.8
Poliovmyelitis	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.2
Rubella	0	0	0	2	0	0	3	0	5	8	8	6.0	0.8	35	39.8
Rubella Congenital	0	0	0	0	0	0	0	0	0	1	0	0.0	0.0	1	0.4
Tetanus	0	1	0	1	0	0	1	0	3	2	0	0.2	15.0	6	3.0
Varicella zoster (Chickenpox)	3	NN	28	44	120	4	199	88	486	597	651	586.0	0.8	1,939	1,811.8
Varicella zoster (Shingles)	18	NN	39	17	443	49	278	279	1,123	1,069	1,068	733.6	1.5	4,397	2,718.4
Varicella zoster (Unspecified)	35	NN	0	1,208	93	26	705	292	2,359	2,051	2,177	1,692.2	1.4	8,512	6,068.8
<b>Vectorborne diseases</b>															
Arbovirus infection (NEC)	0	0	0	8	0	0	0	0	8	2	8	5.4	1.5	16	16.8
Barmah Forest virus infection	1	101	42	374	22	0	11	86	637	279	345	368.4	1.7	1,701	1,718.6
Dengue virus infection	7	50	3	44	8	1	38	35	186	193	213	216.4	0.9	1,481	863.2
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	1	0.2

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 October to 31 December 2012, by date of diagnosis\*

Disease	State or territory								Total 3rd quarter 2012	Total 2nd quarter 2012	Total 3rd quarter 2011	Last 5 years mean 3rd quarter	Ratio††	Year to date 2012	Last 5 years YTD mean
	ACT	NSW	NT	QLD	SA	TAS	VIC	WA							
Kunjin virus infection	0	0	0	0	0	0	0	0	0	1	0.4	0.0	0	1.6	
Malaria	3	16	7	26	2	1	12	17	84	99	110	112.6	325	479.0	
Murray Valley encephalitis virus infection	0	0	0	0	0	0	0	0	0	1	0.2	0.0	1	4.4	
Ross River virus infection	2	103	44	330	41	0	56	103	679	483	747	926.6	4,651	4,956.0	
<b>Zoonoses</b>															
Anthrax	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.4	
Australian bat lyssavirus	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0	
Brucellosis	0	1	0	6	1	0	0	0	8	9	9	8.0	25	34.8	
Leptospirosis	0	2	0	2	1	0	1	2	8	11	21	22.4	111	141.2	
Lyssavirus (NEC)	0	0	0	0	0	0	0	0	0	0	0.0	0.0	0	0.0	
Ornithosis	0	1	0	1	1	0	21	3	27	14	26	23.0	65	81.2	
Q fever	0	21	2	31	0	0	1	1	56	80	97	91.8	318	361.0	
Tularaemia	0	0	0	0	0	0	0	0	0	1	1.0	0.0	0	2.0	
<b>Other bacterial infections</b>															
Legionellosis	1	12	0	19	9	3	17	28	89	97	100	83.8	367	305.2	
Leprosy	0	0	0	0	0	0	1	0	1	1	3	3.0	3	9.8	
Meningococcal disease (invasive)##	0	9	0	12	5	2	7	3	38	83	49	62.4	222	264.2	
Tuberculosis	3	96	7	39	21	2	126	48	342	302	390	384.2	1,202	1,282.8	
<b>Total</b>	<b>847</b>	<b>10,451</b>	<b>1,453</b>	<b>13,121</b>	<b>3,808</b>	<b>1,450</b>	<b>7,626</b>	<b>6,498</b>	<b>45,254</b>	<b>79,027</b>	<b>55,186</b>		<b>237,395</b>		

\* 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.

†† Ratios of the current quarter to the mean of the last 5 quarters (ratios for Varicella are based on 4 years data)

## 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 October to 31 December 2012, by date of diagnosis and state or territory (Annualised rate per 100,000 population)<sup>\*†</sup>**

Disease	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	Aust
<b>Bloodborne diseases</b>									
Hepatitis (NEC)	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
Hepatitis B (newly acquired) <sup>‡</sup>	0.0	0.4	1.7	1.4	0.7	0.8	0.7	1.5	0.8
Hepatitis B (unspecified) <sup>§</sup>	27.4	28.0	67.7	16.2	17.4	14.9	21.5	36.9	24.3
Hepatitis C (newly acquired) <sup>‡</sup>	1.1	0.8	0.0	NN	3.9	3.9	2.6	6.8	2.5
Hepatitis C (unspecified) <sup>§</sup>	33.9	40.3	118.1	52.8	17.9	49.4	35.6	47.2	41.6
Hepatitis D	0.0	0.1	0.0	0.2	0.2	0.0	0.1	0.0	0.1
<b>Gastrointestinal diseases</b>									
Botulism	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Campylobacteriosis	110.5	NN	62.5	88.9	107.2	209.2	66.0	89.9	86.8
Cryptosporidiosis	1.1	7.4	24.3	8.0	2.9	3.9	5.5	10.0	7.0
Haemolytic uraemic syndrome	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.0	0.1
Hepatitis A	0.0	0.8	0.0	0.6	0.5	0.8	1.1	0.3	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	0.7	0.0	0.2	0.0	0.8	0.5	0.5	0.4
STEC, VTEC <sup>  </sup>	0.0	0.2	0.0	1.0	2.7	0.8	0.3	0.2	0.6
Salmonellosis	64.5	45.2	135.4	58.0	37.2	55.6	46.8	46.3	49.2
Shigellosis	2.2	1.8	33.0	2.0	0.7	1.6	2.2	2.6	2.2
Typhoid Fever	0.0	0.7	0.0	0.4	0.2	0.0	0.4	1.2	0.5
<b>Quarantinable diseases</b>									
Cholera	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
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
<b>Sexually transmissible infections</b>									
Chlamydial infection <sup>  *</sup>	332.6	269.3	941.1	395.5	251.4	318.1	87.6	473.5	278.5
Donovanosis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Gonococcal infection <sup>  </sup>	28.4	52.6	609.5	56.9	18.8	11.0	32.7	90.2	54.3
Syphilis - congenital	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Syphilis < 2 years <sup>  </sup>	4.4	2.6	5.2	6.1	5.3	1.6	6.0	4.1	4.6
Syphilis > 2 years or unspecified duration <sup>  </sup>	5.5	1.6	26.0	4.4	NN	4.7	9.7	3.4	5.0
<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	0.0	0.0	0.2	0.0	0.0	0.1	0.0	0.1
Influenza (laboratory confirmed)	43.8	26.2	114.6	68.9	207.5	27.4	38.9	37.5	53.7
Measles	0.0	1.1	1.7	0.0	0.7	0.0	0.0	0.9	0.5
Mumps	0.0	0.6	0.0	0.9	1.0	0.8	0.5	0.7	0.7

**Table 3 continued: Notification rates of diseases, 1 October to 31 December 2012, by date of diagnosis and state or territory (Annualised rate per 100,000 population)\*†**

Disease	ACT	NSW	NT	Qld	SA	Tas	Vic	WA	Aust
Pertussis	183.8	62.6	66.0	188.5	52.6	354.9	72.2	77.6	99.9
Pneumococcal disease (invasive)	7.7	6.6	17.4	5.5	5.6	7.1	5.8	7.3	6.3
Poliomyelitis	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	0.0	0.0	0.0	0.2	0.0	0.0	0.2	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	0.1	0.0	0.0	0.1	0.0	0.1
Varicella zoster (Chickenpox)	3.3	NN	48.6	3.8	29.0	3.1	14.2	15.0	12.7
Varicella zoster (Shingles)	19.7	NN	67.7	1.5	107.0	38.4	19.8	47.5	29.3
Varicella zoster (Unspecified)	38.3	NN	0.0	105.5	22.5	20.4	50.2	49.7	61.6
<b>Vectorborne diseases</b>									
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	1.1	5.5	72.9	32.7	5.3	0.0	0.8	14.6	11.3
Dengue virus infection	7.7	2.7	5.2	3.8	1.9	0.8	2.7	6.0	3.3
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	3.3	0.9	12.2	2.3	0.5	0.8	0.9	2.9	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	2.2	5.6	76.4	28.8	9.9	0.0	4.0	17.5	12.0
<b>Zoonoses</b>									
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	0.0	0.0	0.0	0.0	0.0	0.0
Brucellosis	0.0	0.1	0.0	0.5	0.2	0.0	0.0	0.0	0.1
Leptospirosis	0.0	0.1	0.0	0.2	0.2	0.0	0.1	0.3	0.1
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	0.2	0.0	1.5	0.5	0.5
Q fever	0.0	1.2	3.5	2.7	0.0	0.0	0.1	0.2	1.0
Tularaemia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Other bacterial infections</b>									
Legionellosis	1.1	0.7	0.0	1.7	2.2	2.4	1.2	4.8	1.6
Leprosy	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Meningococcal disease (invasive)††	0.0	0.5	0.0	1.0	1.2	1.6	0.5	0.5	0.7
Tuberculosis	3.3	5.3	12.2	3.4	5.1	1.6	9.0	8.2	6.0

\* 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.

NN Not notifiable

NEC Not elsewhere classified