

**National Communicable Diseases Surveillance Report**  
**Fortnight 12, 2017 Summary Notes for Selected Diseases**  
**3 to 16 June 2017**

**Invasive Meningococcal Disease (IMD)**

The number of cases of IMD due to serogroup W (MenW) has been increasing across most jurisdictions in Australia since 2013. The Commonwealth Department of Health, in collaboration with the states and territories, is closely monitoring the incidence of MenW in Australia. For the latest information on IMD, refer to the Department's website (<http://www.health.gov.au/internet/main/publishing.nsf/Content/ohp-meningococcal-W.htm>).

**Infectious syphilis**

Increases in infectious syphilis notifications are attributed to the on-going outbreak occurring in young Aboriginal and Torres Strait Islander people residing in northern Australia.

In January 2011, an increase of infectious syphilis notifications among young Aboriginal and Torres Strait Islander people was identified in the North West region of Queensland, following a steady decline at a national level in remote communities. Subsequent increases in infectious syphilis notifications were reported in the Northern Territory in 2013, Western Australia in 2014 and South Australia in 2016, following sustained periods of low notification rates.

For the latest information on the infectious syphilis outbreak, refer to the Department's website <http://www.health.gov.au/internet/main/publishing.nsf/Content/ohp-infectious-syphilis-outbreak.htm>

**Mumps**

There is an ongoing outbreak of mumps in Indigenous communities in the North West of Queensland. Over 80 cases have been notified from Doomadgee, Mount Isa and Gregory Downs areas, and Mornington Island since the outbreak began at the end of January 2017.

**Interpretative Notes**

*Selected diseases are chosen each fortnight based on either exceeding two standard deviations from the 90 day and/or 365 day five year rolling mean or other disease issues of significance identified during the reporting period. All diseases reported are analysed by notification receive date. Data are extracted each Monday of a CDNA week.*

*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.*

<sup>1</sup>*The past quarter (90 day) surveillance period includes the date range 19/03/2017 to 16/06/2017.*

<sup>2</sup>*The quarterly (90 day) five year rolling mean is the average of 5 intervals of 90 days up to 16/06/2017. The ratio is the notification activity in the past quarter (90 days) compared with the five year rolling mean for the same period.*

<sup>3</sup>*The past year (365 day) surveillance period includes the date range 17/06/2016 to 16/06/2017.*

<sup>4</sup>*The yearly (365 day) five year rolling mean is the average of 5 intervals of 365 days up to 16/06/2017. The ratio is the notification activity in the past year (365 days) compared with the five year rolling mean for the same period.*

*The five year rolling mean and the ratio of notifications compared with the five year rolling mean should be interpreted with caution. Changes in surveillance practice, diagnostic techniques and reporting may contribute to increases or decreases in the total notifications received over a five year period. Ratios are to be taken as a crude measure of current disease activity and may reflect changes in reporting rather than changes in disease activity.*

ADT FN12 Notification Received Date 3/6/17 to 16/6/17																				
Disease	State or Territory								Totals for Australia				Historical 90 Day Period			Historical 365 Day Period				
	ACT	NSW	NT	QLD	SA	TAS	VIC	WA	This Reporting Period	Previous Reporting Period	Same Reporting Period Last Year	2017 YTD	Past Quarter	Quarterly Rolling 5 year mean	Ratio Past Quarter /5 year mean	Exceeds Quarterly rolling mean +2 SD by	Past Year	Yearly rolling 5 year mean	Ratio Past year /5 year mean	Exceeds Yearly rolling mean +2 SD by
<b>Bloodborne diseases</b>																				
Hepatitis B (newly acquired)	0	1	1	0	0	0	0	1	3	4	5	62	23	44.4	0.5	-	132	173.2	0.8	-
Hepatitis B (unspecified)	4	87	0	32	1	1	64	22	211	282	272	2,833	1,563	1,624.4	1.0	-	6,130	6,488.6	0.9	-
Hepatitis C (newly acquired)	0	3	0	4	0	0	0	1	8	11	29	260	125	152.8	0.8	-	632	591.6	1.1	-
Hepatitis C (unspecified)	3	115	3	97	1	12	72	47	350	405	379	4,598	2,403	2,496.6	1.0	-	10,450	9,935.2	1.1	-
Hepatitis D	0	0	0	1	0	0	0	0	1	1	1	21	9	11.4	0.8	-	58	48.6	1.2	-
<b>Gastrointestinal diseases</b>																				
Botulism	0	0	0	0	0	0	0	0	0	0	0	0	0	0.8	0.0	-	0	2.0	0.0	-
Campylobacteriosis	18	NN	16	238	103	16	182	90	663	763	792	10,844	4,963	4,173.6	1.2	-	24,546	18,503.2	1.3	-
Cryptosporidiosis	1	24	6	31	17	1	33	13	126	173	187	3,444	1,617	1,313.2	1.2	-	5,128	3,573.2	1.4	-
Haemolytic uraemic syndrome (HUS)	0	1	0	0	0	0	0	0	1	0	0	10	7	4.2	1.7	-	20	17.6	1.1	-
Hepatitis A	0	2	0	0	0	0	1	0	3	3	4	69	24	35.6	0.7	-	137	182.2	0.8	-
Hepatitis E	0	0	0	2	0	0	0	0	2	1	0	30	12	9.8	1.2	-	44	40.8	1.1	-
Listeriosis	0	2	0	0	0	0	0	0	2	3	3	36	15	20.6	0.7	-	71	80.6	0.9	-
Paratyphoid	0	0	0	0	0	0	0	0	0	1	2	32	10	18.8	0.5	-	66	73.0	0.9	-
STEC	0	4	0	2	4	0	0	0	10	11	8	230	99	34.6	2.9	53.0	473	137.6	3.4	272.0
Salmonellosis	13	101	22	127	35	4	94	95	491	598	575	9,928	4,599	4,045.8	1.1	-	17,393	14,546.8	1.2	-
Shigellosis	0	8	31	13	0	0	10	3	65	69	59	740	380	201.4	1.9	14.0	1,499	805.0	1.9	96.2
Typhoid Fever	0	0	0	0	0	0	0	0	0	5	2	82	34	26.4	1.3	-	129	123.4	1.0	-
<b>Quarantinable diseases</b>																				
Avian influenza in humans (AIH)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	0	0.0	0.0	-
Cholera	0	0	0	0	0	0	0	0	0	0	0	0	0	1.0	0.0	-	1	2.6	0.4	-
Middle East respiratory syndrome coronavirus (MERS-CoV)	0	0	0	0	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	0.0	0.0	-
Rabies	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	0	0.0	0.0	-
Severe acute respiratory syndrome (SARS)	0	0	0	0	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	0.0	0.0	-
Viral haemorrhagic fever (NEC)	0	0	0	0	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	0.2	0.0	-
<b>Sexually transmissible infections</b>																				
Chlamydial infection	53	859	59	939	226	1	447	412	2,996	3,218	2,967	39,425	20,634	20,936.6	1.0	-	80,438	82,578.6	1.0	-
Donovanosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	0	0.4	0.0	-
Gonococcal infection	4	285	38	235	51	8	223	125	969	1,149	905	13,867	7,053	4,296.0	1.6	903.5	27,120	16,098.8	1.7	5,251.7
Syphilis < 2 years	0	19	13	43	2	0	14	7	98	164	129	1,755	932	542.0	1.7	16.3	3,594	2,056.8	1.7	123.1
Syphilis > 2 years or unspecified duration	0	6	5	5	1	0	39	4	60	96	62	1,035	544	438.2	1.2	-	2,115	1,700.2	1.2	-
Syphilis congenital	0	0	0	0	0	0	0	0	0	0	0	2	2	0.2	10.0	0.9	4	3.8	1.1	-

**Footnotes:**

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Quarterly rolling 5Yr Mean (90d 5Yr Mean):

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Quarterly rolling 5Yr Mean (90d 5Yr Mean) 2: 19/03/2015 to 16/06/2015

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 3: 19/03/2014 to 16/06/2014

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 4: 19/03/2013 to 16/06/2013

Quarterly rolling 5Yr Mean (90d 5Yr Mean) 5: 19/03/2012 to 16/06/2012

Past year (365d prior surveillance period): 17/06/2016 to 16/06/2017

Yearly rolling 5Yr Mean (365d 5Yr Mean):

Yearly rolling 5Yr Mean (365d 5Yr Mean) 1: 18/06/2015 to 16/06/2016

Yearly rolling 5Yr Mean (365d 5Yr Mean) 2: 17/06/2014 to 16/06/2015

Yearly rolling 5Yr Mean (365d 5Yr Mean) 3: 17/06/2013 to 16/06/2014

Yearly rolling 5Yr Mean (365d 5Yr Mean) 4: 17/06/2012 to 16/06/2013

Yearly rolling 5Yr Mean (365d 5Yr Mean) 5: 18/06/2011 to 16/06/2012

ADT FN12 Notification Received Date 3/6/17 to 16/6/17																				
Disease	State or Territory							Totals for Australia				Historical 90 Day Period			Historical 365 Day Period					
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<b>Vaccine preventable diseases</b>																				
Diphtheria	0	0	0	0	0	0	0	0	0	1	0	3	3	0.4	7.5	1.5	9	1.8	5.0	3.9
Haemophilus influenzae type b	0	0	0	0	0	0	0	0	0	1	2	5	2	4.4	0.5	-	14	17.4	0.8	-
Influenza (laboratory confirmed)	15	827	10	562	338	21	312	80	2,165	1,775	1,070	15,857	8,724	4,655.2	1.9	-	95,100	54,929.6	1.7	-
Measles	0	0	0	0	0	0	0	0	0	2	0	57	27	31.4	0.9	-	99	182.0	0.5	-
Mumps	0	4	7	22	3	1	1	1	38	28	27	348	213	89.2	2.4	-	647	363.8	1.8	-
Pertussis	14	196	3	32	72	1	52	28	398	446	546	5,901	2,768	3,553.8	0.8	-	16,677	20,373.6	0.8	-
Pneumococcal disease (invasive)	0	26	3	14	9	1	22	6	81	89	85	625	399	365.0	1.1	-	1,752	1,639.6	1.1	-
Poliovirus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	0	0.0	0.0	-
Rotavirus	NN	23	35	123	29	3	NN	40	NN	NN	NN	1,754	1,172	N/A	N/A	514.8	3,197	N/A	N/A	-
Rubella	0	0	0	0	0	0	0	0	0	1	2	7	4	5.6	0.7	-	14	26.8	0.5	-
Rubella congenital	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0.0	-	0	0.8	0.0	-
Tetanus	0	0	0	0	0	0	0	0	0	0	0	3	1	1.2	0.8	-	5	4.2	1.2	-
Varicella zoster (chickenpox)	5	NN	1	8	9	0	39	25	87	121	98	1,224	629	478.4	1.3	8.7	3,125	2,228.0	1.4	456.2
Varicella zoster (shingles)	10	NN	12	0	60	1	76	39	198	315	253	3,731	1,929	1,396.6	1.4	65.1	7,854	5,360.2	1.5	634.8
Varicella zoster (unspecified)	8	NN	0	287	37	24	253	73	682	696	610	7,756	4,076	2,867.4	1.4	25.0	16,009	11,501.8	1.4	207.7
<b>Vectorborne diseases</b>																				
Barmah Forest virus infection	0	11	1	17	0	0	0	2	31	27	6	229	137	528.8	0.3	-	344	1,650.6	0.2	-
Chikungunya virus infection	0	1	0	1	0	0	0	0	2	1	2	29	14	21.2	0.7	-	106	84.4	1.3	-
Dengue virus infection	1	7	2	4	1	0	0	5	20	29	88	624	230	552.4	0.4	-	1,506	1,693.8	0.9	-
Flavivirus infection (unspecified)	0	0	0	2	0	0	0	0	2	0	2	12	5	11.2	0.4	-	64	24.4	2.6	-
Japanese encephalitis virus infection	0	0	0	0	0	0	0	0	0	1	0	1	1	0.2	5.0	-	1	1.8	0.6	-
Malaria	0	3	0	5	0	0	0	5	13	14	11	188	78	64.8	1.2	-	354	337.4	1.0	-
Murray Valley encephalitis virus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0.4	0.0	-	0	0.8	0.0	-
Ross River virus infection	0	49	6	161	3	1	9	23	252	397	97	5,972	2,373	1,732.8	1.4	-	6,971	5,456.6	1.3	-
West Nile/Kunjin virus infection	0	0	0	0	0	0	0	0	0	1	0	3	3	0.0	0.0	-	3	1.0	4.0	1.6
<b>Zoonoses</b>																				
Anthrax	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	0	0.0	0.0	-
Australian bat lyssavirus infection	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	0	0.2	0.0	-
Brucellosis	0	1	0	0	0	0	0	0	1	2	1	11	7	3.4	2.1	-	23	20.8	1.1	-
Leptospirosis	0	1	0	2	0	0	0	2	5	8	12	83	35	37.4	0.9	-	134	100.0	1.3	-
Lyssavirus infection (NEC)	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	0	0.0	0.0	-
Ornithosis	0	0	0	0	0	0	0	0	0	0	2	9	1	7.4	0.1	-	23	47.8	0.5	-
Q fever	0	5	0	5	0	0	0	1	11	15	15	237	106	120.6	0.9	-	531	474.6	1.1	-
Tularaemia	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.0	-	0	0.2	0.0	-
<b>Other bacterial infections</b>																				
Legionellosis	0	3	0	1	3	0	0	3	10	23	14	190	105	100.0	1.1	-	382	407.4	0.9	-
Leprosy	0	0	0	0	0	0	0	0	0	0	0	2	1	2.6	0.4	-	18	11.4	1.6	-
Meningococcal disease (invasive)	0	0	0	3	4	0	3	0	10	8	2	124	57	40.8	1.4	-	295	187.8	1.6	51.6
Tuberculosis	2	21	0	7	0	0	10	7	47	28	46	555	275	292.2	0.9	-	1,353	1,310.0	1.0	-
	<b>151</b>	<b>2,695</b>	<b>274</b>	<b>3,025</b>	<b>1,009</b>	<b>95</b>	<b>1,956</b>	<b>1,160</b>	<b>10,112</b>	<b>10,986</b>	<b>9,372</b>	<b>134,843</b>	<b>68,423</b>				<b>336,790</b>			

**Footnotes:**

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