## **National Communicable Diseases Surveillance Report**

## Fortnight 26, 2020-2021 Summary Notes for Selected Diseases

## 21 December 2020 to 03 January 2021

## Infectious and congenital syphilis

Increases in infectious syphilis notifications are attributed to an on-going outbreak occurring in young Aboriginal and Torres Strait Islander people residing in northern and central Australia, continued increases among men who have sex with men (MSM) in urban areas of Victoria (Vic) and New South Wales (NSW), and increases in non-Indigenous women residing in urban areas of Vic, NSW, Queensland (Qld) and Western Australia (WA).

## Outbreak in remote Australia

In January 2011, an increase of infectious syphilis notifications among young (15-29 years) Aboriginal and Torres Strait Islander people was identified in the North West region of Qld, following a steady decline at a national level in remote communities. Subsequent increases in infectious syphilis notifications were reported in the Northern Territory (NT) in 2013, WA in 2014 and South Australia (SA) in 2016, following sustained periods of low notification rates. The outbreak is of significant public health concern given the: elevated rates of infectious syphilis among women of child-bearing age, increasing the risk of congenital syphilis; and the concomitant risk of HIV transmission. For the latest information on the infectious syphilis outbreak, refer to the Department's website.

# Increases among MSM

Since 2010, increases in notifications of infectious syphilis have been reported in MSM, predominately 20-39 years of age, residing in urban areas of Vic and NSW.

## Increases among non-Indigenous women

Since 2016, increases in notifications of infectious syphilis have been reported in non-Indigenous women aged predominately 20-39 years of age residing in urban areas of NSW, Vic, Qld and WA. As noted in the outbreak in remote Australia, increases in women of child-bearing age is of significant public health concern given the increased risk of congenital syphilis.

#### <u>Legionellosis</u>

In the past 12 months (4 January 2020 to 3 January 2021), there have been 524 cases of legionellosis reported to the National Notifiable Diseases Surveillance System (NNDSS). This is higher than the mean number of cases reported for the historical five-year mean (n=403.6). In the past fortnight (21 December 2020 to 3 January 2021), 23 cases of legionellosis were notified compared to 11 in the same reporting period in the previous year. Of the 23 cases reported in the past fortnight, 19 cases have had species identification reported, with 10 cases identified as *Legionella longbeachae* (53%) and nine cases identified as *Legionella pneumophila* (47%). It is difficult to determine the extent to which the increase in legionellosis notifications is associated with increased testing of individuals with influenza-like symptoms or pneumonia in response to COVID-19, or other factors.

#### 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 (06/10/2020 to 03/01/2021).

<sup>2</sup>The quarterly (90 day) five year rolling mean is the average of 5 intervals of 90 days up to 03/01/2021. 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 (04/01/2021 to 03/01/2021).

<sup>4</sup>The yearly (365 day) five year rolling mean is the average of 5 intervals of 365 days up to 03/01/2021. The ratio is the notification activity in the <sup>past</sup> 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	FN26/2020-2021										Notification received date											
ADI	FIN20/2020-2021		State or Territory								Totals for Australia				Historical 90 Day Period				Historical Yearly Period			
Disease group	Disease name	Disease code	ACT	NSW	۲۷	Ölq	SA	Tas	Vic	WA	This reporting period	Previous reporting Period	Same reporting period last year	Current year YTD	Past Quarter	Quarterly rolling 5 year	Ratio past quarter/5	Exceeds quarterly rolling	Past Year	Yearly rolling 5 year mean	Ratio past year/5 year	Exceeds yearly rolling
											21/12/2020 03/01/2021	07/12/2020 20/12/2020	21/12/2019 03/01/2020	01/01/2020 03/01/2021	06/10/2020 03/01/2021	mean	year mean*	mean +2 SD by	04/01/2020 03/01/2021	04/01/2015 03/01/2020	mean*	mean +2 SI by
	Hepatitis B (newly acquired) Hepatitis B (unspecified)	039	- 3	- 32	- 1	- 19	- 1	-	-	- 7	61	3 192	5 106	4,975	24 1,103	35.6 1,342.8	0.7 0.8	-	4,949	152.6 5,988.8	0.7 0.8	-
Bloodborne diseases	Hepatitis C (newly acquired)	040	1	-	-	13	-	-	-	1	15	22	15	670	140	193.0	0.7	-	667	722.8	0.9	-
	Hepatitis C (unspecified)	053 050	-	52 -	7	39 1	1	5	3	24	131	292	168 3	7,392 70	1,749	2,326.2 18.4	0.8	-	7,352	9,814.6 66.4	0.7 1.0	-
	Hepatitis D Botulism	050	-	-	-	-	-	-	-	-	- 1	5	- 3	1	17	18.4	0.9	1.0	69	1.4	0.7	-
	Campylobacteriosis	005	7	283	8	206	99	10	156	137	906	1,516	1,119	31,614	9,000	8,160.2	1.1	-	31,197	28,855.6	1.1	-
	Cryptosporidiosis	061	-	14	5	10	4	-	5	4	42	54	81	2,474	311	743.6	0.4	-	2,451	3,987.4	0.6	-
	Haemolytic uraemic syndrome (HUS) Hepatitis A	055	-	-	-	-	-	-	-	-		- 1	7	16 91	3	4.8 55.6	0.6	-	15 90	16.4 245.6	0.9	-
Gastrointestinal diseases	Hepatitis E	051	-	-	-	-	-	-	-	-	-	-	1	35	1	10.4	0.1	-	35	46.0	0.8	-
Casti Ollitestillai diseases	Listeriosis	018	-	1	-	2	-	-	2	-	5	2	1	48	16	15.6	1.0	-	45	70.8	0.6	-
	Paratyphoid STEC	080 054	-	- 6	-	- 1	- 6	-	- 3	- 3	- 19	- 28	5 34	45 578	138	19.8 135.8	1.0	-	43 568	83.8 436.8	0.5 1.3	-
	Salmonellosis	030	1	133	17	198	21	5	56	70	501	398	559	12,172	2,285	3,556.0	0.6	-	11,949	16,130.8	0.7	-
	Shigellosis Typhoid Fever	031	-	4	- 3	2	1	-	-	- 3	13	17 1	81 4	1,658 97	165 7	506.4 29.2	0.3	-	1,636 97	1,974.2 148.2	0.8 0.7	-
	Avian influenza in humans (AIH)	035	-	-	-	-	-	-	-	-		- 1	- 4	- 97	-	29.2	0.2	-	- 97	148.2	0.7	-
	COVID-19**	081	-	191	13	24	15	-	38	14	295	236	-	28,653	1,347	-		1,347.0	28,578	-		28,578.0
	Cholera	008	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4	-	-	-	1.4	-	-
	MERS-CoV Plague	079	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-		-
Quarantinable diseases	Rabies	028	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-		-
	Severe acute respiratory syndrome (SARS)	071 069	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-		-
	Smallpox Viral haemorrhagic fever (NEC)	036	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-		-
	Yellow fever	041	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-		-
	Chlamydial infection	007	18	561	22	500	145	5	-	257	1,508	2,781	1,908	76,159	17,055	22,814.2	0.7	-	75,635	98,904.8	0.8	-
Sexually transmissible	Donovanosis Gonococcal infection	010	- 5	- 225	- 16	127	- 46	- 1	- 33	- 79	532	808	831	29,554	5,775	6,538.2	0.9	-	29,326	27,248.8	1.1	-
infections	Syphilis < 2 years	066	-	18	7	19	-	-	28	12	84	166	108	5,139	1,079	1,080.0	1.0	-	5,103	4,306.2	1.2	-
	Syphilis > 2 years or unspecified duration	067	-	2	-	- 4	- 1	-	16	-	23	45	40	2,001 15	367 2	511.6 1.8	0.7	-	1,991 15	2,181.4 6.2	0.9	3.1
	Syphilis congenital  Diphtheria	009	-	-	-	-	-	-	-	-	-	-	-	5	-	3.2	1.1 -	-	5	7.4	0.7	- 3.1
	Haemophilus influenzae type b	012	-	-	-	-	-	-	-	-	-	-	1	20	4	4.4	0.9	-	19	18.8	1.0	-
	Influenza (laboratory confirmed)	062	1	5	-	7	- 3	_ 2	12	- 4	34	29	1,707 5	21,910 32	169	15,157.8 29.8	0.0	-	21,471 29	163,143.4 129.0	0.1	-
	Measles Mumps	043	-	-	-	-	-	-	-	-	-	2	9	154	9	145.8	0.1	-	151	616.4	0.2	-
	Pertussis	024	-	1	-	1	-	-	12	1	15	17	337	3,668	115	4,910.2	0.0	-	3,576	16,009.2	0.2	-
Vaccine preventable diseases	Pneumococcal disease (invasive) Poliovirus infection	065 026	-	16 -	-	-	-	-	- 8	- 13	51 -	42 -	- 65	1,143	272	419.4	0.6	-	1,122	1,880.8	0.6	-
	Rotavirus Rubella	077	-	- 5	-	18	- 7	-	NN -	4	38	56 -	295	1,789	266 1	1,605.0 1.6	0.2 0.6	-	1,689	4,698.6	0.4	-
	Rubella congenital	046	-	-	-			-								1.0	0.0		2	15.2		
	Tetanus	033				-	-	-	-	-	- 1	-	-	-	-	-		-	- 3	15.2 0.2	0.2	-
			-	-	-	-	-	-	-	-		1	-	- 6	- 3	0.8	3.8	1.3	- 6	0.2 3.6	- 1.7	-
	Varicella zoster (chickenpox) Varicella zoster (shingles)	073	1	NN	- 2		- 7	- 1	- 19	- 17	- - 47	1 85	- - 144	- 6 2,711	- 3 643	0.8 1,037.0	0.6		- 6 2,664	0.2 3.6 3,551.4	- 1.7 0.8	
	Varicella zoster (chickenpox) Varicella zoster (shingles) Varicella zoster (unspecified)			NN	-	-	-	-	-	-		1	-	- 6	- 3	0.8		1.3	- 6	0.2 3.6	- 1.7	-
	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection	073 074 075 048	1 11	NN NN NN	- 2 14 4	- - 321	- 7 28 65	1 2 23	- 19 53 262 2	17 66 64	- 47 174 741	1 85 300 919 12	- 144 516 344 3	- 6 2,711 14,737 14,159 740	- 3 643 2,502 4,919 132	0.8 1,037.0 2,822.6 3,363.2 72.0	0.6 0.9 1.5 1.8	1.3 - - 787.1 15.3	- 6 2,664 14,586 14,023 737	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0	- 1.7 0.8 1.4 1.0	- - - - 42.2
	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection Chikungunya virus infection	073 074 075 048 078	1 11	NN NN NN -	- 2 14 4 -	- - - 321 7	- 7 28 65 - -	1 2 23	- 19 53 262 2	17 66 64	- - 47 174 741 9	1 85 300 919 12	- 144 516 344 3	- 6 2,711 14,737 14,159 740 41	- 3 643 2,502 4,919 132	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6	0.6 0.9 1.5 1.8	1.3 - - 787.1 15.3	- 6 2,664 14,586 14,023 737 41	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8	- 1.7 0.8 1.4 1.0 1.8 0.4	- - - - 42.2
	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection	073 074 075 048	1 11 2 -	NN NN NN	- 2 14 4	- - 321	- 7 28 65	1 2 23	- 19 53 262 2	- 17 66 64 -	- 47 174 741	1 85 300 919 12	- 144 516 344 3	- 6 2,711 14,737 14,159 740	- 3 643 2,502 4,919 132	0.8 1,037.0 2,822.6 3,363.2 72.0	0.6 0.9 1.5 1.8	1.3 - - 787.1 15.3	- 6 2,664 14,586 14,023 737	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0	- 1.7 0.8 1.4 1.0	- - - - 42.2
Vectorborne diseases	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection Chikungunya virus infection Dengue virus infection Flavivirus infection (unspecified) Japanese encephalitis virus infection	073 074 075 048 078 003 001	1 11 2 - -	NN NN NN - - - -	- 2 14 4 - - - -	- 321 7 - -	- 7 28 65 - - -	- 1 2 23 - - -	- 19 53 262 2 - - -	- 17 66 64 - - -	- - 47 174 741 9 - -	1 85 300 919 12 - - 2	- 144 516 344 3 3 24	- 6 2,711 14,737 14,159 740 41 249 14	- 3 643 2,502 4,919 132 - - 6	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4	0.6 0.9 1.5 1.8 - - 1.1	1.3 - 787.1 15.3 - -	- 6 2,664 14,586 14,023 737 41 243 14	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4	1.7 0.8 1.4 1.0 1.8 0.4 0.2 0.4	42.2
Vectorborne diseases	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection Chikungunya virus infection Dengue virus infection Flavivirus infection (unspecified) Japanese encephalitis virus infection Malaria	073 074 075 048 078 003 001 059	1 11 2 - - - -	NN NN NN - - - - - 1	- 2 14 4 - - - -	- 321 7 - - -	- 7 28 65 - - - -	- 1 2 23 - - - -	- 19 53 262 2 - - - -	- 17 66 64 - - - -	- 47 174 741 9 - - - -	1 85 300 919 12 - - 2	- - 144 516 344 3 3 24 - -	- 6 2,711 14,737 14,159 740 41 249 14	- 3 643 2,502 4,919 132 - - 6	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4	0.6 0.9 1.5 1.8 - - 1.1	1.3 - 787.1 15.3 - - -	- 6 2,664 14,586 14,023 737 41 243 14 1 158	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6	- 1.7 0.8 1.4 1.0 1.8 0.4 0.2 0.4 0.7	42.2
Vectorborne diseases	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection Chikungunya virus infection Dengue virus infection Flavivirus infection (unspecified) Japanese encephalitis virus infection	073 074 075 048 078 003 001	1 11 2 - -	NN NN NN - - - -	- 2 14 4 - - - -	- 321 7 - -	- 7 28 65 - - -	- 1 2 23 - - -	- 19 53 262 2 - - -	- 17 66 64 - - -	- - 47 174 741 9 - -	1 85 300 919 12 - - 2	- 144 516 344 3 3 24	- 6 2,711 14,737 14,159 740 41 249 14	- 3 643 2,502 4,919 132 - - 6	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4	0.6 0.9 1.5 1.8 - - 1.1	1.3 - 787.1 15.3 - -	- 6 2,664 14,586 14,023 737 41 243 14	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4	1.7 0.8 1.4 1.0 1.8 0.4 0.2 0.4	42.2
Vectorborne diseases	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection Chikungunya virus infection Dengue virus infection Flavivirus infection (unspecified) Japanese encephalitis virus infection Malaria Murray Valley encephalitis virus infection Ross River virus infection West Nile/Kunjin virus infection	073 074 075 048 078 003 001 059 020 049 002	1 11 2 - - - - -	NN NN NN - - - - 1 1	- 2 14 4 - - - - - 1	- - - 321 7 - - - - - - - - - - 20	- 7 28 65 6	- 1 2 23 - - - - - - - - - - -	- 19 53 262 2 - - - - - - - - - - - -	- 17 66 64 - - - - - - - - - - - - -	- 47 174 741 9 - - - 1 1 - 102	1 85 300 919 12 - - 2 2 - 2 - 2	- - 144 516 344 3 3 24 - - 11	- 6 2,711 14,737 14,159 740 41 249 14 1 162 - 6,174	- 3 643 2,502 4,919 132 - - 6 - 7 - - 6 6	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 -	0.6 0.9 1.5 1.8 - - 1.1 - 0.1	1.3 - - 787.1 15.3 - - - - - -	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4	1.7 0.8 1.4 1.0 1.8 0.4 0.2 0.4 0.7	- - - - - - - - - - -
Vectorborne diseases	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection Chikungunya virus infection Dengue virus infection Flavivirus infection (unspecified) Japanese encephalitis virus infection Malaria Murray Valley encephalitis virus infection Ross River virus infection West Nile/Kunjin virus infection Anthrax	073 074 075 048 078 003 001 059 020 049 002 060 058	1 11 2 - - - - -	NN NN NN 1 1 - 8	- 2 14 4 1	- - - - - - - - - - - - - - - - - - -	- 7 28 65 - - - - - - - - - - -	1 2 23 	- 19 53 262 2 - - - - - - - - -	- 17 66 64 - - - - - - - - - - - - - - -	- 47 174 741 9 - - - 1 1 - 102	1 85 300 919 12 - - 2 2 - 2 - 131	- - 144 516 344 3 3 24 - - 11 - 35	- 6 2,711 14,737 14,159 740 41 249 14 1 162 - 6,174	- 3 643 2,502 4,919 132 - - 6 - 7 - - 663 1	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 -	0.6 0.9 1.5 1.8 - - 1.1 - 0.1	1.3 - 787.1 15.3 - - - - - -	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4	- 1.7 0.8 1.4 1.0 1.8 0.4 0.2 0.4 0.7 0.5	- - - - - - - - - - - -
Vectorborne diseases	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection Chikungunya virus infection Dengue virus infection Flavivirus infection (unspecified) Japanese encephalitis virus infection Malaria Murray Valley encephalitis virus infection Ross River virus infection West Nile/Kunjin virus infection	073 074 075 048 078 003 001 059 020 049 002	1 11 2 - - - - -	NN NN NN - - - - 1 1	- 2 14 4 - - - - - 1	- - - 321 7 - - - - - - - - - - 20	- 7 28 65 6	- 1 2 23 - - - - - - - - - - -	- 19 53 262 2 - - - - - - - - - - - -	- 17 66 64 - - - - - - - - - - - - -	- 47 174 741 9 - - - 1 1 - 102	1 85 300 919 12 - - 2 2 - 2 - 2	- - 144 516 344 3 3 24 - - 11	- 6 2,711 14,737 14,159 740 41 249 14 1 162 - 6,174	- 3 643 2,502 4,919 132 - - 6 - 7 - - 6 6	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 -	0.6 0.9 1.5 1.8 - - 1.1 - 0.1	1.3 - - 787.1 15.3 - - - - - -	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4	- 1.7 0.8 1.4 1.0 1.8 0.4 0.2 0.4 0.7 0.5	- - - - - - - - - - -
	Varicella zoster (shingles) Varicella zoster (unspecified) Barmah Forest virus infection Chikungunya virus infection Dengue virus infection Flavivirus infection (unspecified) Japanese encephalitis virus infection Malaria Murray Valley encephalitis virus infection Ross River virus infection West Nile/Kunjin virus infection Anthrax Australian bat lyssavirus infection Brucellosis Leptospirosis	073 074 075 048 078 003 001 059 020 049 002 060 058 063 004	1 11 2 	NN NN NN	- 2 14 4 1 1 1	- - 321 7 - - - - - - 20 1	- 7 28 65 - - - - - - - - - - - - - - - - - -	1 2 23 		- 17 66 64 - - - - - - - - - - - - - - - -	- 47 47 174 741 9 - - - - 1 1 102 1	1 85 300 919 12 - - 2 - 2 - 131 - - 1	- - 144 516 344 3 3 24 - - 11 - 35	- 6 2,711 14,737 14,159 740 41 249 14 1 162 - 6,174 1	- 3 643 2,502 4,919 132 - - - 6 6 - 7 - - 663 1 1	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 - 640.8 0.4	0.6 0.9 1.5 1.8 - - 1.1 - 0.1 1.0 2.5	1.3 787.1 15.3	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159 1	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4		- - - - - - - - - - - - - - - - - - -
Vectorborne diseases  Zoonoses	Varicella zoster (shingles)  Varicella zoster (unspecified)  Barmah Forest virus infection  Chikungunya virus infection  Dengue virus infection  Flavivirus infection (unspecified)  Japanese encephalitis virus infection  Malaria  Murray Valley encephalitis virus infection  Ross River virus infection  West Nile/Kunjin virus infection  Anthrax  Australian bat lyssavirus infection  Brucellosis  Leptospirosis  Lyssavirus infection (NEC)	073 074 075 048 078 003 001 059 020 049 002 060 058 063 004 017 064	1 11 2 	NN NN NN	- 2 14 4 1 1	- - - - - - - - - - - - - - - - - - -	- 7 28 65 - - - - - - - - - - - - - - - - - -	1 2 23 - - - - - - - - - - - - - - - - -	- 19 53 262 2 - - - - - - - - - - - - - - - - -	- 17 66 64 - - - - - - - - - - - - - - - - -	- 47 174 741 9 - - - 1 1 - 102 1 - 4	1 85 300 919 12 - - 2 - 2 - 131 - - 131 -	- - 144 516 344 3 3 24 - - - 11 - 35 - - -	- 6 2,711 14,737 14,159 740 41 249 14 162 - 6,174 1	- 3 643 2,502 4,919 132 - - - 6 - 7 - - 663 1 - - 3 21	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 - 640.8 0.4 - 5.2 16.4	0.6 0.9 1.5 1.8 1.1 - 0.1 1.0 2.5	1.3 787.1 15.3	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159 1 - 18	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4 1.6 - - 18.8 113.8		- 42.2
	Varicella zoster (shingles)  Varicella zoster (unspecified)  Barmah Forest virus infection  Chikungunya virus infection  Dengue virus infection  Flavivirus infection (unspecified)  Japanese encephalitis virus infection  Malaria  Murray Valley encephalitis virus infection  Ross River virus infection  West Nile/Kunjin virus infection  Anthrax  Australian bat lyssavirus infection  Brucellosis  Leptospirosis  Lyssavirus infection (NEC)  Ornithosis	073 074 075 048 078 003 001 059 020 049 002 060 058 063 004 017 064 023	1 11 2 	NN NN NN	- 2 14 4 1 1	- - - - - - - - - - - - - - - - - - -	- 7 28 65 - - - - - - - - - - - - - - - - - -	1 2 23 	- 19 53 262 2 - - - - - - - - - - - - - - - - -	- 17 66 64 - - - - - - - - - - - - - - - - -	- 4 47 174 741 9 1 1 - 102 1 4 4 - 1	1 85 300 919 12 - - 2 - 2 - 131 - - 1 131 - - 3	- - 144 516 344 3 3 24 - - - - 11 - 35 - - - - - -	- 6 2,711 14,737 14,159 740 41 249 14 162 - 6,174 1	- 3 643 2,502 4,919 132 - - - 6 - 7 - - 663 1 - - 3 21	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 - 640.8 0.4 5.2 16.4 - 6.8	0.6 0.9 1.5 1.8 1.1 - 0.1 1.0 2.5	1.3 787.1 15.3	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159 1 - 18 95	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4 1.6 - - 18.8 113.8 - 19.0		- - - - - - - - - - - - - - - - - - -
	Varicella zoster (shingles)  Varicella zoster (unspecified)  Barmah Forest virus infection  Chikungunya virus infection  Dengue virus infection  Flavivirus infection (unspecified)  Japanese encephalitis virus infection  Malaria  Murray Valley encephalitis virus infection  Ross River virus infection  West Nile/Kunjin virus infection  Anthrax  Australian bat lyssavirus infection  Brucellosis  Leptospirosis  Lyssavirus infection (NEC)	073 074 075 048 078 003 001 059 020 049 002 060 058 063 004 017 064	1 11 2 	NN NN NN	- 2 14 4 1 1	- 321 7	- 7 28 65 - - - - - - - - - - - - - - - - - -	- 1 2 23 		- 17 66 64 - - - - - - - - - - - - - - - - -	- 47 174 741 9 - - - 1 1 - 102 1 - 4	1 85 300 919 12 - - 2 - 2 - 131 - - 131 -	- - 144 516 344 3 3 24 - - - 11 - 35 - - -	- 6 2,711 14,737 14,159 740 41 249 14 162 - 6,174 1	- 3 643 2,502 4,919 132 - - - 6 - 7 - - 663 1 - - 3 21	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 - 640.8 0.4 - 5.2 16.4	0.6 0.9 1.5 1.8 1.1 - 0.1 1.0 2.5	1.3 787.1 15.3	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159 1 - 18	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4 1.6 - - 18.8 113.8		- 42.2
	Varicella zoster (shingles)  Varicella zoster (unspecified)  Barmah Forest virus infection  Chikungunya virus infection  Dengue virus infection  Flavivirus infection (unspecified)  Japanese encephalitis virus infection  Malaria  Murray Valley encephalitis virus infection  Ross River virus infection  West Nile/Kunjin virus infection  Anthrax  Australian bat lyssavirus infection  Brucellosis  Leptospirosis  Lyssavirus infection (NEC)  Ornithosis  Q fever  Tularaemia  Legionellosis	073 074 075 048 078 003 001 059 020 049 002 060 058 063 004 017 064 023 027 070	1 11 2 	NN NN NN	- 2 14 4 1 1		- 7 28 65 - - - - - - - - - - - - - - - - - -	- 1 2 23 		- 17 66 64 - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	1 85 300 919 12 - - 2 2 - 2 - 131 - - 1 3 3	- 144 516 344 3 3 24 1 11 - 35 3 3 - 2 12 - 12	- 6 2,711 14,737 14,159 740 41 249 14 1 162 - 6,174 1 18 97 - 51 471 2	- 3 643 2,502 4,919 132 6 - 7 - 663 1 3 21 - 16 87 - 145	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 - 640.8 0.4 - 16.8 137.0 - 109.8	0.6 0.9 1.5 1.8 1.1 - 0.1 1.0 2.5  0.6 1.3 2.4 0.6	1.3 787.1 15.3	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159 1 - - 18 95 - 51 467 2	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4 1.6 - - 18.8 113.8 - 19.0 546.2 - 403.6		- - - - - - - - - - - - - - - - - - -
	Varicella zoster (shingles)  Varicella zoster (unspecified)  Barmah Forest virus infection  Chikungunya virus infection  Dengue virus infection  Flavivirus infection (unspecified)  Japanese encephalitis virus infection  Malaria  Murray Valley encephalitis virus infection  Ross River virus infection  West Nile/Kunjin virus infection  Anthrax  Australian bat lyssavirus infection  Brucellosis  Leptospirosis  Lyssavirus infection (NEC)  Ornithosis  Q fever  Tularaemia  Legionellosis  Leprosy	073 074 075 048 078 003 001 059 020 049 002 060 058 063 004 017 064 023 027 070	1 11 2 	NN NN NN NN	- 2 14 4 1 1		- 7 28 65 	1 2 23 			- - - - - - - - - - - - - - - - - - -	1 85 300 919 12 - - 2 - 2 - 131 - - - - 1 3 - - 3 3 - 1 3	- 144 516 344 3 3 24 1 11 - 3 5 3 3 - 2 12 - 11	- 6 2,711 14,737 14,159 740 41 249 14 1 162 - 6,174 1 18 97 - 51 471 2 525 6	- 3 643 2,502 4,919 132 6 - 7 - 663 1 3 21 - 166 87 - 145	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 - 640.8 0.4 5.2 16.4 - 6.8 137.0 - 109.8	0.6 0.9 1.5 1.8 1.1 - 0.1 1.0 2.5 0.6 1.3 2.4 0.6	1.3	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159 1 1 18 95 - 51 1467 2 524	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4 1.6 - - 18.8 113.8 - 19.0 546.2 - 403.6 12.0		- 42.2 
Zoonoses	Varicella zoster (shingles)  Varicella zoster (unspecified)  Barmah Forest virus infection  Chikungunya virus infection  Dengue virus infection  Ilayivirus infection (unspecified)  Japanese encephalitis virus infection  Malaria  Murray Valley encephalitis virus infection  Ross River virus infection  West Nile/Kunjin virus infection  Anthrax  Australian bat lyssavirus infection  Brucellosis  Leptospirosis  Lyssavirus infection (NEC)  Ornithosis  Q fever  Tularaemia  Legionellosis	073 074 075 048 078 003 001 059 020 049 002 060 058 063 004 017 064 023 027 070	1 11 2 	NN NN NN	- 2 14 4 1 1		- 7 28 65 - - - - - - - - - - - - - - - - - -	- 1 2 23 		- 17 66 64 - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	1 85 300 919 12 - - 2 2 - 2 - 131 - - 1 3 3	- 144 516 344 3 3 24 1 11 - 35 3 3 - 2 12 - 12	- 6 2,711 14,737 14,159 740 41 249 14 1 162 - 6,174 1 18 97 - 51 471 2	- 3 643 2,502 4,919 132 6 - 7 - 663 1 3 21 - 16 87 - 145	0.8 1,037.0 2,822.6 3,363.2 72.0 29.6 281.4 5.6 0.4 79.4 - 640.8 0.4 - 16.8 137.0 - 109.8	0.6 0.9 1.5 1.8 1.1 - 0.1 1.0 2.5  0.6 1.3 2.4 0.6	1.3 787.1 15.3	- 6 2,664 14,586 14,023 737 41 243 14 1 158 - 6,159 1 - - 18 95 - 51 467 2	0.2 3.6 3,551.4 10,515.0 14,286.2 401.0 91.8 1,508.2 32.6 1.4 341.6 0.6 5,302.4 1.6 - - 18.8 113.8 - 19.0 546.2 - 403.6		- - - - - - - - - - - - - - - - - - -

Footnotes:

\* Ratio of the 90 day prior surveillance period to the past 90 day 5 year rolling mean, or ratio of the year period prior surveillance period to the year period 5 year rolling mean.

NN = Not Notifiable, NEC = Not Elsewhere Classified

The data in this report are reliant on the provision of data from states and territories to the Australian Government Department of Health. Backlogs in notifications at the state or territory level may contribute to delays in reporting to the NNDSS. Notifications for some high volume conditions are only uploaded quarterly by some jurisdictions, which can result in apparent large variability over time. The NNDSS is a dynamic dataset, with data in this report representing data available on (06/01/2021). Data in this report are subject to retrospective revision and may vary from data reported in published NNDSS reports and reports of notification data by states and territories.

<sup>\*\*</sup>Due to transmission issues, WA COVID-19 cases are not complete in the NNDSS