



## Department of Health

### STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program  
Communicable Disease Control Directorate

Report for eight week period 27-NOV-20 to 21-JAN-21

#### **GENERAL NOTES**

1. Data are extracted on a weekly basis from the Western Australian Notifiable Infectious Diseases Database (WANIDD).
2. Data are provisional only and are subject to change.
3. For enquiries please contact the Communicable Disease Control Directorate (9222 0255) or a regional Public Health Unit.

#### **SPECIFIC NOTES (numbers below refer to numbers in square brackets in tables)**

1. If a disease is not listed it indicates that no notifications have been received in the preceding 12 months.
2. "Date of Onset" is a composite of the "true" date of onset provided by the notifying doctor, the date of specimen collection for laboratory notified cases, and when neither of these dates are available, the date of notification by the doctor or laboratory, or the date of receipt of the notification, whichever is earliest.  
  
For blood-borne viruses (whether newly acquired or unspecified), leprosy, syphilis (non-infectious) and tuberculosis, data are provided by date of receipt at the PHU/CDCD.
3. Defined as mean of previous, comparable and subsequent 4-week periods for the past five years. For example, if the current 4-week period is April 2nd - 29th 2017, then this period is compared to the mean number of cases for fifteen 4-week intervals made up of March 5th - April 1st 2016, April 2nd - 29th 2016, and April 30th - May 27th 2016, and the corresponding periods for 2015, 2014, 2013 and 2012. That is, the comparison figure should represent an average expectation of the number of cases for a similar 4-week period of the year. For diseases that have been notifiable for less than 5 years, the mean figure for periods prior to the disease becoming notifiable will be 0.
4. Ratio = ratio of last 4 weeks total to mean of 15 four-week periods, as described in specific note 3.
5. Figures in parentheses are numbers of cases in corresponding period last year. If no figure appears, this indicates there were no cases.
6. Cumulative year-to-date rate. That is, total cases in the current year, divided by relevant population, expressed as cases per 100,000 population (crude notification rate). Population data are estimates based on Australian Bureau of Statistics population projection series 'B' for Western Australia using the Department of Health's Rates Calculator to derive regional populations.

Weekly surveillance reports can be accessed at:

[http://ww2.health.wa.gov.au/Articles/F\\_I/Infectious-disease-data/Statewide-notifiable-diseases-weekly-report](http://ww2.health.wa.gov.au/Articles/F_I/Infectious-disease-data/Statewide-notifiable-diseases-weekly-report)

## STATEWIDE notifications for past 8 weeks[1] (by date of onset[2])

Disease Category/Disease	Week Ending								Cumulative Total to end of week 3			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	03/12	10/12	17/12	24/12	31/12	07/01	14/01	21/01	2021	2020	2019			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (unspecified)	9	12	11	8	2	2	12	4	18	26	27	20	35.1	0.6
Hepatitis C (newly acquired)	2		2	1		1	1		2	2	5	2	9.5	0.2
Hepatitis C (unspecified)	27	22	14	15	15	7	24	17	48	38	39	63	69.1	0.9
Hepatitis D									0	0	0	0	0.3	0.0
<b>Enteric diseases</b>														
Campylobacteriosis	71	65	76	68	59	87	73	22	182	241	209	241	279.3	0.9
Cryptosporidiosis	1	1	2	2	1	3	1	1	5	61	6	6	33.7	0.2
Hepatitis A									0	0	4	0	1.8	0.0
Hepatitis E									0	1	2	0	0.5	0.0
Listeriosis							1		1	0	3	1	0.7	1.4
Paratyphoid fever									0	0	0	0	1.2	0.0
Rotavirus		6	8	4	1	4	1	2	3	18	8	7	25.4	0.3
STEC/VTEC infection	1			1	2	1	1	1	3	7	8	5	8.9	0.6
Salmonellosis	26	16	37	39	24	24	31	7	62	138	126	86	193.9	0.4
Shigellosis	2	4	1	2	5	3			3	36	47	8	24.0	0.3
Vibrio parahaemolyticus									0	1	3	0	1.9	0.0
Yersiniosis		2			1		1		1	3	0	2	0.9	2.1
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	195	202	201	165	83	171	227	62	460	689	798	543	907.3	0.6
Gonorrhoea	70	51	54	37	21	47	39	6	92	300	287	113	285.2	0.4
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	17	15	12	14	5	14	12	8	34	39	33	39	33.9	1.2
Syphilis - Non-Infectious	4	2	3	1		2	4	1	7	16	10	7	13.1	0.5
<b>Vaccine preventable diseases</b>														
H. influenzae type b									0	0	0	0	0.2	0.0
Influenza	2	3	2	5	4		1		1	301	421	5	264.3	0.0
Measles									0	2	6	0	2.2	0.0
Mumps									0	1	2	0	16.7	0.0
Pertussis	2			2					0	29	50	0	100.3	0.0
Pneumococcal infection	5	1	2	6	5	3			3	6	8	8	9.1	0.9
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus			1						0	0	0	0	0.0	0.0
Varicella (chicken pox)	19	24	12	9	6	5	6	3	14	37	33	20	43.3	0.5
Varicella (shingles)	45	57	53	44	38	53	45	8	106	156	123	144	161.1	0.9
Varicella (unspecified)	44	32	30	31	30	31	44	18	93	77	79	123	116.9	1.1
<b>Vector-borne diseases</b>														
Barmah Forest virus									0	1	2	0	1.9	0.0
Chikungunya									0	0	0	0	0.9	0.0
Dengue fever									0	19	18	0	22.7	0.0
Malaria								1	1	5	0	1	5.2	0.2
Ross River virus	13	23	18	12	10	10	14	5	29	25	36	39	54.9	0.7
Typhus	1		2		1		2		2	2	0	3	2.3	1.3
<b>Zoonotic diseases</b>														
Leptospirosis				1					0	0	1	0	0.5	0.0
Q Fever									0	0	1	0	0.7	0.0
<b>Other diseases</b>														
Acute post-streptococcal glomerulonephritis									0	0	1	0	1.1	0.0
COVID-19	12	7	9	9	14	7	10	2	19	0	0	33	0.4	82.5
Creutzfeldt-Jakob disease				1					0	0	0	0	0.3	0.0
Haemolytic Uraemic Syndrome									0	0	0	0	0.3	0.0
Legionellosis	3	3		2		1			1	2	2	1	2.9	0.3
Leprosy			1						0	0	0	0	0.3	0.0
Melioidosis									0	1	0	0	0.3	0.0
Meningococcal infection			1	1			1		1	1	1	1	2.1	0.5
Tuberculosis	3	4	1	4	2	3	3	4	10	5	4	12	10.1	1.2
<b>Grand Total</b>	<b>580</b>	<b>554</b>	<b>549</b>	<b>481</b>	<b>332</b>	<b>476</b>	<b>555</b>	<b>170</b>						

## METROPOLITAN notifications for past 8 weeks[1] (by date of onset[2])

Disease Category/Disease	Week Ending								Cumulative Total to end of week 3			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	03/12	10/12	17/12	24/12	31/12	07/01	14/01	21/01	2021	2020	2019			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (unspecified)	7	8	10	8	1	2	10	1	13	23	24	14	29.5	0.5
Hepatitis C (newly acquired)	2		1	1		1	1		2	1	5	2	7.9	0.3
Hepatitis C (unspecified)	23	18	9	8	10	3	17	11	31	26	27	41	49.7	0.8
Hepatitis D									0	0	0	0	0.3	0.0
<b>Enteric diseases</b>														
Campylobacteriosis	49	50	50	52	50	73	65	19	157	194	166	207	220.9	0.9
Cryptosporidiosis		1	1	1	1	3	1	1	5	56	2	6	26.8	0.2
Hepatitis A									0	0	4	0	1.6	0.0
Hepatitis E									0	1	2	0	0.5	0.0
Listeriosis									0	0	3	0	0.7	0.0
Paratyphoid fever									0	0	0	0	1.1	0.0
Rotavirus	5	7	4	1	3	1	2		3	15	8	6	22.1	0.3
STEC/VTEC infection	1			1	2	1	1	1	3	6	6	5	6.6	0.8
Salmonellosis	22	15	32	28	18	18	25	5	48	103	108	66	152.6	0.4
Shigellosis	2	1		2	2	2			2	25	30	4	12.5	0.3
Vibrio parahaemolyticus									0	1	3	0	1.9	0.0
Yersiniosis		2			1		1		1	3	0	2	0.9	2.3
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	159	164	163	135	66	138	186	50	374	534	613	440	706.3	0.6
Gonorrhoea	35	25	33	21	11	24	31	3	58	211	204	69	194.3	0.4
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	8	11	5	7	3	8	9	5	22	23	18	25	23.8	1.1
Syphilis - Non-Infectious	3	1	2	1		2	1	1	4	14	10	4	10.4	0.4
<b>Vaccine preventable diseases</b>														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	1	2	2	4	4		1		1	250	309	5	207.6	0.0
Measles									0	2	4	0	1.8	0.0
Mumps									0	1	1	0	1.9	0.0
Pertussis	1			2					0	26	40	0	71.3	0.0
Pneumococcal infection	3	1	1	3	3	1			1	4	5	4	5.1	0.8
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus			1						0	0	0	0	0.0	0.0
Varicella (chicken pox)	16	20	11	5	6	3	3	3	9	24	27	15	32.0	0.5
Varicella (shingles)	36	46	42	32	25	36	30	5	71	115	84	96	115.9	0.8
Varicella (unspecified)	41	29	27	28	27	28	37	16	81	74	77	108	110.6	1.0
<b>Vector-borne diseases</b>														
Barmah Forest virus									0	1	0	0	0.6	0.0
Chikungunya									0	0	0	0	0.5	0.0
Dengue fever									0	16	18	0	19.2	0.0
Malaria									0	5	0	0	4.5	0.0
Ross River virus	3	8	5	4	3	3	4	2	9	15	28	12	31.4	0.4
Typhus									0	2	0	0	1.6	0.0
<b>Zoonotic diseases</b>														
Leptospirosis									0	0	1	0	0.5	0.0
Q Fever									0	0	0	0	0.2	0.0
<b>Other diseases</b>														
COVID-19	8	3	6	3	6	2	6	1	9	0	0	15	0.3	45.0
Creutzfeldt-Jakob disease									0	0	0	0	0.2	0.0
Legionellosis	2	3		2		1			1	1	2	1	1.9	0.5
Leprosy			1						0	0	0	0	0.1	0.0
Meningococcal infection				1			1		1	1	1	1	1.3	0.8
Tuberculosis	3	4	1	3	2	3	3	4	10	5	4	12	8.9	1.3
<b>Grand Total</b>	<b>430</b>	<b>419</b>	<b>407</b>	<b>353</b>	<b>244</b>	<b>353</b>	<b>435</b>	<b>128</b>						

## Notifications in last week and for last 4 weeks by REGION[1] (by date of onset[2])

Disease Category/Disease	Metropolitan area (North)			Metropolitan area (South)			Metropolitan area (East)		
	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]
<b>Blood-borne diseases[2]</b>									
Hepatitis B (unspecified)		2 (10)	0.3		4 (8)	0.6	1	8 (10)	1.0
Hepatitis C (newly acquired)					2	0.3			
Hepatitis C (unspecified)	2	13 (9)	1.2	3	11 (13)	1.5	6	17 (11)	1.6
<b>Enteric diseases</b>									
Campylobacteriosis	13	84 (85)	8.4	3	58 (83)	6.9	3	65 (73)	6.7
Cryptosporidiosis				1	2 (17)	0.2		4 (16)	0.5
Listeriosis									
Rotavirus					2 (5)			4 (3)	0.4
STEC/VTEC infection		3 (3)	0.1				1	2 (3)	0.3
Salmonellosis	1	23 (45)	1.9	3	13 (54)	1.8	1	30 (36)	3.0
Shigellosis		1 (10)	0.1					3 (6)	0.1
Yersiniosis		2 (2)	0.1						
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	16	142 (202)	16.2	15	123 (216)	15.8	19	175 (229)	20.6
Gonorrhoea	1	24 (72)	2.9	1	20 (87)	2.1	1	25 (98)	3.2
Syphilis - Infectious	3	5 (10)	0.7	2	8 (7)	1.1		12 (9)	1.4
Syphilis - Non-Infectious		1 (7)	0.1		2 (5)	0.3	1	1 (4)	0.1
<b>Vaccine preventable diseases</b>									
Influenza					2 (80)			3 (105)	0.1
Pneumococcal infection		2 (2)	0.1					2 (2)	
Varicella (chicken pox)	1	4 (10)	0.3	2	11 (13)	1.1			
Varicella (shingles)	2	33 (43)	3.5	2	35 (57)	4.2	1	28 (42)	2.3
Varicella (unspecified)	6	43 (36)	4.2	5	41 (36)	4.5	5	24 (23)	2.7
<b>Vector-borne diseases</b>									
Ross River virus		3 (6)	0.1	1	6 (9)	0.8	1	3 (3)	0.4
Typhus									
<b>Other diseases</b>									
COVID-19		6	0.3	1	2	0.3		7	0.7
Legionellosis					1	0.2			
Meningococcal infection								1 (1)	0.1
Tuberculosis		3 (3)	0.4	2	2	0.3	2	7 (3)	0.7
<b>Grand Total</b>	<b>45</b>	<b>394 (555)</b>		<b>41</b>	<b>345 (690)</b>		<b>42</b>	<b>421 (677)</b>	

## Notifications in last week and for last 4 weeks by REGION[1] (by date of onset[2])

Disease Category/Disease	Southwest			Great Southern			Coastal and Wheatbelt		
	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]
<b>Blood-borne diseases[2]</b>									
Hepatitis B (unspecified)	1	1	0.5					1 (1)	1.3
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	2	4 (1)	2.2		1	1.6	1	4 (3)	2.7
<b>Enteric diseases</b>									
Campylobacteriosis	3	19 (23)	7.1		6 (3)	8.2		1 (6)	1.3
Cryptosporidiosis									
Listeriosis		1	0.5						
Rotavirus					1				
STEC/VTEC infection									
Salmonellosis	2	7 (16)	3.8		1 (2)			4 (3)	4.0
Shigellosis									
Yersiniosis									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	6	37 (44)	17.0	1	6 (12)	9.8	1	10 (15)	12.0
Gonorrhoea	1	2 (26)	1.1				1	3 (3)	4.0
Syphilis - Infectious		1 (1)	0.5				1	2	2.7
Syphilis - Non-Infectious		2 (1)	1.1						
<b>Vaccine preventable diseases</b>									
Influenza									
Pneumococcal infection								1	1.3
Varicella (chicken pox)		2 (4)	1.1						
Varicella (shingles)	2	22 (24)	9.9		5 (8)	4.9	1	11 (5)	10.7
Varicella (unspecified)		1		1	4 (2)	6.5		4 (1)	4.0
<b>Vector-borne diseases</b>									
Ross River virus	3	19 (7)	7.1		7 (1)	9.8		1 (1)	1.3
Typhus					1				
<b>Other diseases</b>									
COVID-19									
Legionellosis									
Meningococcal infection									
Tuberculosis									
<b>Grand Total</b>	<b>20</b>	<b>118 (147)</b>		<b>2</b>	<b>32 (28)</b>		<b>5</b>	<b>42 (38)</b>	

## Notifications in last week and for last 4 weeks by REGION[1] (by date of onset[2])

Disease Category/Disease	Midwest			Goldfields			Pilbara		
	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]
<b>Blood-borne diseases[2]</b>									
Hepatitis B (unspecified)							1	3 (1)	3.3
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	1	3 (2)	3.3	1	4 (3)	7.7		2 (1)	1.7
<b>Enteric diseases</b>									
Campylobacteriosis		4 (6)	5.0		1 (5)	1.9			
Cryptosporidiosis									
Listeriosis									
Rotavirus									
STEC/VTEC infection									
Salmonellosis					3 (1)	3.9		1 (7)	
Shigellosis		2 (2)							
Yersiniosis									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)		11 (11)	13.3	3	8 (24)	11.6	1	16 (24)	23.4
Gonorrhoea		2 (7)	1.7	1	10 (11)	17.4		8 (22)	10.0
Syphilis - Infectious				1	1	1.9	1	6 (5)	8.4
Syphilis - Non-Infectious									
<b>Vaccine preventable diseases</b>									
Influenza									
Pneumococcal infection					2			1	1.7
Varicella (chicken pox)		2 (2)	3.3		1 (2)	1.9			
Varicella (shingles)					3 (4)	1.9		4 (8)	5.0
Varicella (unspecified)	1	2 (1)	3.3						
<b>Vector-borne diseases</b>									
Ross River virus									
Typhus								2	3.3
<b>Other diseases</b>									
COVID-19								1	
Legionellosis									
Meningococcal infection									
Tuberculosis									
<b>Grand Total</b>	<b>2</b>	<b>26 (31)</b>		<b>6</b>	<b>33 (50)</b>		<b>3</b>	<b>44 (68)</b>	

## Notifications in last week and for last 4 weeks by REGION[1] (by date of onset[2])

Disease Category/Disease	Kimberley			STATE TOTAL		
	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]	Last Week	Last 4 Weeks[5]	Cum. YTD Rate[6]
<b>Blood-borne diseases[2]</b>						
Hepatitis B (unspecified)	1	1 (1)	2.9	4	20 (31)	0.6
Hepatitis C (newly acquired)				0	2 (2)	0.1
Hepatitis C (unspecified)	1	4 (1)	8.6	17	63 (45)	1.6
<b>Enteric diseases</b>						
Campylobacteriosis		2 (5)	5.7	22	241 (296)	6.9
Cryptosporidiosis				1	6 (73)	0.2
Listeriosis				0	1 (0)	0.0
Rotavirus				0	7 (22)	0.1
STEC/VTEC infection				1	5 (9)	0.1
Salmonellosis		4 (8)	5.7	7	86 (181)	2.3
Shigellosis		2 (7)	2.9	0	8 (39)	0.1
Yersiniosis				0	2 (4)	0.0
<b>Sexually transmissible infections</b>						
Chlamydia (genital)		14 (36)	31.6	62	543 (830)	17.3
Gonorrhoea		18 (32)	34.5	6	113 (364)	3.5
Syphilis - Infectious		4 (7)	8.6	8	39 (44)	1.3
Syphilis - Non-Infectious		1 (1)	2.9	1	7 (19)	0.1
<b>Vaccine preventable diseases</b>						
Influenza				0	5 (379)	0.0
Pneumococcal infection				0	8 (10)	0.1
Varicella (chicken pox)				3	20 (45)	0.5
Varicella (shingles)		3 (1)	5.7	8	144 (196)	4.0
Varicella (unspecified)		1		18	123 (100)	3.5
<b>Vector-borne diseases</b>						
Ross River virus				5	39 (29)	1.1
Typhus				0	3 (4)	0.1
<b>Other diseases</b>						
COVID-19				2	33 (0)	0.8
Legionellosis				0	1 (2)	0.0
Meningococcal infection				0	1 (2)	0.0
Tuberculosis				4	12 (6)	0.1
<b>Grand Total</b>	<b>2</b>	<b>54 (99)</b>		<b>170</b>	<b>1533 (2808)</b>	

## Statewide Salmonella notifications for past 8 weeks (by date of onset[2])

	Week Ending								Cumulative Total to end of Week 3	
	03/12	10/12	17/12	24/12	31/12	07/01	14/01	21/01	2021	2020
	<b>Salmonella Total</b>	<b>26</b>	<b>16</b>	<b>37</b>	<b>39</b>	<b>24</b>	<b>24</b>	<b>31</b>	<b>7</b>	<b>62</b>
<b>Serotype/Phage</b>										
Salmonella Adelaide				1		1	1		2	1
Salmonella Amsterdam var 15+, 34+			1						0	0
Salmonella Anatum						1			1	0
Salmonella Anatum var 15+				1					0	1
Salmonella Bovismorbificans						1			1	0
Salmonella Chester							1		1	4
Salmonella Choleraesuis bv Australia		1				1			1	4
Salmonella Choleraesuis bv Decatur							2		2	2
Salmonella Fremantle subsp II					1	1			1	0
Salmonella Give							1		1	0
Salmonella Hessarek					1				0	0
Salmonella Hvittingfoss							1		1	0
Salmonella Infantis	1								0	1
Salmonella Kiambu	1								0	0
Salmonella Kottbus						1			1	0
Salmonella Muenchen			1						0	2
Salmonella Newport	1			2					0	4
Salmonella Orion			1		1				0	0
Salmonella Potsdam							1		1	0
Salmonella Reading	1			1					0	1
Salmonella Richmond							1		1	0
Salmonella Rissen					1				0	1
Salmonella Rubislaw						1			1	0
Salmonella Saintpaul				2	1				0	5
Salmonella Senftenberg	1				4		1		1	0
Salmonella Singapore	1								0	1
Salmonella Stanley				2	1				0	3
Salmonella Tennessee	1			1			1		1	0
Salmonella Typhimurium	19	15	33	27	13	14	11		25	64
Salmonella Zanzibar							1		1	0
Salmonella species			1	2	1	3	9	7	19	9