



## Department of Health

### STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program  
Communicable Disease Control Directorate

Report for eight week period 15-JAN-21 to 11-MAR-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 10			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	21/01	28/01	04/02	11/02	18/02	25/02	04/03	11/03	2021	2020	2019			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)			1		1				2	0	9	1	1.1	0.9
Hepatitis B (unspecified)	5	9	4	8	6	13	7	92	158	86	90	118	40.8	2.9
Hepatitis C (newly acquired)	1	4	1	2	4	1	1		15	13	14	6	8.7	0.7
Hepatitis C (unspecified)	21	14	9	21	24	27	20	22	190	169	165	93	78.9	1.2
Hepatitis D						1			1	0	5	1	0.6	1.7
<b>Enteric diseases</b>														
Campylobacteriosis	61	57	67	47	52	42	48	12	560	687	633	154	233.1	0.7
Cryptosporidiosis	1	1	4	2	2	3	2		21	315	33	7	53.3	0.1
Rotavirus	3	1	1	1	5	3	1	2	21	60	53	11	22.6	0.5
STEC/VTEC infection	6	2		3	2	2	1	1	25	39	27	6	8.5	0.7
Salmonellosis	34	22	27	18	29	23	15	5	229	512	443	72	212.7	0.3
Shigellosis	1	3	3	2		3	1		15	101	107	4	21.2	0.2
Typhoid		1							1	2	10	0	1.5	0.0
Vibrio parahaemolyticus		1	1						2	2	8	0	1.6	0.0
Yersiniosis		1	1	2		1			5	4	0	1	0.7	1.4
<b>Sexually transmissible infections</b>														
Chancroid	1								1	0	0	0	0.0	0.0
Chlamydia (genital)	243	169	175	256	227	234	211	57	2005	2500	2519	729	972.0	0.8
Gonorrhoea	58	47	50	64	50	48	50	5	472	904	904	153	303.3	0.5
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	20	19	19	20	17	22	12	2	161	143	120	53	38.2	1.4
Syphilis - Non-Infectious	6	3	2	5	5	4	1	4	35	44	35	14	13.9	1.0
<b>Vaccine preventable diseases</b>														
Influenza		1	2	2	1	3			10	1033	1287	4	269.0	0.0
Pertussis	1	1	1	1	1		1		8	79	157	2	71.4	0.0
Pneumococcal infection	2		1	1	2	1	1		12	26	22	4	8.1	0.5
Rubella (non-congenital)						1			1	0	1	1	0.2	5.0
Varicella (chicken pox)	4	4	8	8	14	4	2		56	112	124	20	42.1	0.5
Varicella (shingles)	49	50	63	53	52	41	22	4	457	498	440	119	167.1	0.7
Varicella (unspecified)	33	32	27	33	36	36	46	36	340	275	272	154	120.5	1.3
<b>Vector-borne diseases</b>														
Barmah Forest virus	2		1		1				4	4	3	1	2.9	0.3
Malaria	1	1					1		3	21	7	1	5.3	0.2
Ross River virus	23	15	22	17	14	13	15	6	182	69	99	48	69.6	0.7
Typhus		1	1			1			5	10	1	1	2.0	0.5
<b>Zoonotic diseases</b>														
Leptospirosis	1						1		2	0	2	1	0.3	3.8
<b>Other diseases</b>														
COVID-19	7	9	3	3	1	3	2	6	51	28	0	12	37.3	0.3
Legionellosis	1	1		2	1	1	1		8	8	7	3	3.1	1.0
Melioidosis				1					1	2	1	0	0.7	0.0
Meningococcal infection						1			3	3	4	1	1.6	0.6
Tuberculosis	5	1	1	3		1	4	1	22	26	17	6	9.4	0.6
<b>Grand Total</b>	<b>590</b>	<b>470</b>	<b>495</b>	<b>575</b>	<b>547</b>	<b>533</b>	<b>466</b>	<b>255</b>						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 10			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	21/01	28/01	04/02	11/02	18/02	25/02	04/03	11/03	2021	2020	2019			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)			1		1				2	0	6	1	0.9	1.1
Hepatitis B (unspecified)	1	7	3	5	4	9	6	58	105	74	77	77	33.5	2.3
Hepatitis C (newly acquired)	1	4	1	2	4	1	1		15	9	8	6	6.6	0.9
Hepatitis C (unspecified)	15	12	8	12	19	19	14	13	134	125	119	65	56.0	1.2
Hepatitis D						1			1	0	5	1	0.5	2.1
<b>Enteric diseases</b>														
Campylobacteriosis	54	48	54	27	42	33	39	12	455	566	519	126	188.3	0.7
Cryptosporidiosis	1		2	1					10	284	23	0	41.3	0.0
Rotavirus	3	1	1	1	5	3	1	2	20	50	50	11	17.8	0.6
STEC/VTEC infection	4	1		3	2	1		1	18	31	19	4	5.9	0.7
Salmonellosis	29	13	19	11	19	13	10	4	160	395	353	46	163.7	0.3
Shigellosis			1	1		1			4	61	69	1	11.3	0.1
Vibrio parahaemolyticus		1	1						2	2	7	0	1.5	0.0
Yersiniosis		1	1	2					4	4	0	0	0.6	0.0
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	187	129	135	203	186	193	177	50	1608	1941	1940	606	753.2	0.8
Gonorrhoea	29	30	26	38	27	27	32	4	274	634	655	90	209.0	0.4
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	9	8	9	16	11	11	8	2	94	82	74	32	25.8	1.2
Syphilis - Non-Infectious	5	3	1	4	3	4	1	4	29	37	28	12	11.3	1.1
<b>Vaccine preventable diseases</b>														
Influenza		1	2	1	1	1			7	863	919	2	209.3	0.0
Pertussis	1	1		1	1		1		7	60	114	2	53.3	0.0
Pneumococcal infection			1	1	1	1			5	12	12	2	4.1	0.5
Rubella (non-congenital)						1			1	0	1	1	0.2	5.0
Varicella (chicken pox)	4	4	7	3	12	2	2		41	76	94	16	30.1	0.5
Varicella (shingles)	34	35	51	40	36	30	10		317	363	308	76	120.6	0.6
Varicella (unspecified)	33	31	23	32	36	32	42	34	319	261	263	144	113.8	1.3
<b>Vector-borne diseases</b>														
Barmah Forest virus					1				1	1	0	1	0.5	2.1
Malaria		1					1		2	15	7	1	4.5	0.2
Ross River virus	13	9	11	9	11	11	8	5	94	42	73	35	36.9	0.9
Typhus		1							1	6	1	0	1.0	0.0
<b>Zoonotic diseases</b>														
Leptospirosis							1		1	0	2	1	0.2	5.0
<b>Other diseases</b>														
COVID-19	2	4	1	1	1	1	1	4	23	26	0	7	25.8	0.3
Legionellosis		1		2		1			5	3	6	1	2.1	0.5
Meningococcal infection							2	1	1	1	1	0	0.9	0.0
Tuberculosis	5	1		2		1	2	1	18	25	15	4	8.5	0.5
<b>Grand Total</b>	<b>430</b>	<b>347</b>	<b>359</b>	<b>418</b>	<b>423</b>	<b>397</b>	<b>357</b>	<b>194</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 (newly acquired)					1	0.2			0.1
Hepatitis B (unspecified)	19	22 (5)	4.2	21	29 (10)	5.1	18	26 (16)	5.5
Hepatitis C (newly acquired)					2 (2)	0.6		4 (2)	1.5
Hepatitis C (unspecified)	2	11 (10)	3.3	6	33 (28)	8.3	5	21 (24)	7.6
Hepatitis D		1	0.1						
<b>Enteric diseases</b>									
Campylobacteriosis	5	51 (61)	22.2	5	42 (56)	23.4	2	33 (80)	18.8
Cryptosporidiosis					(23)	0.8		(42)	0.7
Listeriosis									
Rotavirus	1	5 (8)	1.1	1	2 (3)	0.6		4 (6)	1.1
STEC/VTEC infection		1 (8)	1.1		1 (1)	0.3	1	2 (3)	1.1
Salmonellosis	2	16 (55)	7.4	1	12 (46)	6.5	1	18 (58)	8.6
Shigellosis					1 (8)	0.3		(7)	0.3
Vibrio parahaemolyticus			0.1		(1)	0.2			
Yersiniosis			0.1			0.3		(1)	0.1
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	14	197 (227)	69.2	14	161 (270)	68.4	22	248 (283)	88.6
Gonorrhoea	2	27 (66)	11.7		20 (81)	10.7	2	43 (109)	16.1
Syphilis - Infectious		3 (8)	2.0	1	10 (10)	5.1	1	19 (21)	6.2
Syphilis - Non-Infectious	2	2 (3)	1.2	2	3 (3)	1.4		7 (8)	1.5
<b>Vaccine preventable diseases</b>									
Influenza		2 (108)	0.5		(85)	0.2		(91)	0.3
Pertussis		(6)	0.1		1 (5)	0.6		1 (5)	0.3
Pneumococcal infection		(3)	0.1					2	0.5
Rubella (non-congenital)		1	0.1						
Varicella (chicken pox)		4 (8)	2.2		8 (8)	2.6		4 (12)	1.1
Varicella (shingles)		23 (55)	15.8		25 (64)	16.0		28 (39)	13.0
Varicella (unspecified)	15	63 (39)	16.3	12	50 (40)	18.4	7	31 (29)	10.6
<b>Vector-borne diseases</b>									
Barmah Forest virus					1	0.2			
Malaria								1 (3)	0.3
Ross River virus	4	13 (4)	4.8	1	12 (7)	5.3		10 (5)	3.3
Typhus									0.1
<b>Zoonotic diseases</b>									
Leptospirosis					1	0.2			
<b>Other diseases</b>									
COVID-19		1 (18)	0.8	2	3 (6)	0.9	2	3 (12)	1.5
Legionellosis		1	0.3			0.5			
Melioidosis									
Meningococcal infection									0.1
Tuberculosis		1 (5)	0.7		1 (5)	0.8	1	2 (5)	1.1
<b>Grand Total</b>	<b>66</b>	<b>445 (697)</b>		<b>66</b>	<b>419 (762)</b>		<b>62</b>	<b>507 (861)</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 (newly acquired)									
Hepatitis B (unspecified)	3	4	4.4			3.3	2	5 (1)	9.3
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	1	3 (4)	4.9	2	3 (3)	8.2	2	5 (3)	10.7
Hepatitis D									
<b>Enteric diseases</b>									
Campylobacteriosis		9 (19)	20.3		2 (5)	24.5		5 (7)	14.7
Cryptosporidiosis		(9)	0.5			1.6			
Listeriosis			0.5						
Rotavirus						1.6			
STEC/VTEC infection		1 (2)	2.2			1.6			
Salmonellosis	1	8 (10)	9.9		(2)	1.6		3 (8)	12.0
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	2	26 (59)	55.9	1	5 (15)	37.5		11 (13)	44.1
Gonorrhoea		3 (17)	4.4		1 (3)	1.6		1 (2)	8.0
Syphilis - Infectious		1 (2)	2.2						1.3
Syphilis - Non-Infectious								1	2.7
<b>Vaccine preventable diseases</b>									
Influenza									
Pertussis		(5)	0.5						
Pneumococcal infection								1 (1)	4.0
Rubella (non-congenital)									
Varicella (chicken pox)		(3)	2.2		1 (1)	6.5		2 (1)	4.0
Varicella (shingles)	2	21 (26)	34.0	1	10 (12)	44.0		7 (2)	30.7
Varicella (unspecified)								1 (4)	4.0
<b>Vector-borne diseases</b>									
Barmah Forest virus									
Malaria									
Ross River virus		3 (1)	19.2	1	6 (2)	50.6		1 (1)	6.7
Typhus		1	0.5			1.6			
<b>Zoonotic diseases</b>									
Leptospirosis									
<b>Other diseases</b>									
COVID-19									
Legionellosis								1	1.3
Melioidosis									
Meningococcal infection									
Tuberculosis		1	0.5			1.6			
<b>Grand Total</b>	<b>9</b>	<b>81 (157)</b>		<b>5</b>	<b>28 (43)</b>		<b>4</b>	<b>44 (43)</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 (newly acquired)									
Hepatitis B (unspecified)	2	2 (1)	3.3	4	4 (1)	7.7	7	9	18.4
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	2	5 (1)	13.3	1	6 (4)	19.3		3 (1)	10.0
Hepatitis D									
<b>Enteric diseases</b>									
Campylobacteriosis		4 (4)	21.5		2 (3)	11.6		3 (4)	21.8
Cryptosporidiosis									
Listeriosis									
Rotavirus									
STEC/VTEC infection						1.9		1	1.7
Salmonellosis		1 (3)	3.3		1 (2)	7.7		5 (7)	21.8
Shigellosis		3 (8)	8.3		(1)	1.9			1.7
Vibrio parahaemolyticus									
Yersiniosis								1	1.7
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	2	20 (26)	96.1	2	15 (33)	83.0		8 (36)	80.4
Gonorrhoea		7 (4)	26.5		10 (14)	77.2		7 (30)	60.3
Syphilis - Infectious		1	9.9		3 (4)	17.4		4 (6)	25.1
Syphilis - Non-Infectious			1.7					1	3.3
<b>Vaccine preventable diseases</b>									
Influenza		1 (22)	1.7		1 (6)	1.9			
Pertussis									
Pneumococcal infection		1 (2)	1.7					(1)	1.7
Rubella (non-congenital)									
Varicella (chicken pox)			3.3		1 (3)	3.9			
Varicella (shingles)		1 (4)	6.6		1 (2)	17.4	1	1 (2)	10.0
Varicella (unspecified)		4 (3)	9.9	1	2	3.9	1	2	6.7
<b>Vector-borne diseases</b>									
Barmah Forest virus									
Malaria									
Ross River virus			1.7		3 (1)	25.1			
Typhus								(1)	3.3
<b>Zoonotic diseases</b>									
Leptospirosis									
<b>Other diseases</b>									
COVID-19									
Legionellosis		1 (1)	1.7						
Melioidosis									
Meningococcal infection					1	1.9			
Tuberculosis					1	1.9			
<b>Grand Total</b>	<b>6</b>	<b>51 (79)</b>		<b>8</b>	<b>51 (74)</b>		<b>9</b>	<b>45 (88)</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 (newly acquired)				0	1 (0)	0.1
Hepatitis B (unspecified)	16	17 (2)	54.6	92	118 (36)	2.9
Hepatitis C (newly acquired)				0	6 (5)	0.6
Hepatitis C (unspecified)	1	3	28.7	22	93 (78)	7.0
Hepatitis D				0	1 (0)	0.0
<b>Enteric diseases</b>						
Campylobacteriosis		3 (2)	17.2	12	154 (241)	21.1
Cryptosporidiosis		7	25.8	0	7 (159)	0.8
Listeriosis				0	0 (0)	0.0
Rotavirus				2	11 (23)	0.8
STEC/VTEC infection				1	6 (14)	0.9
Salmonellosis		8 (1)	60.3	5	72 (197)	8.6
Shigellosis		(6)	11.5	0	4 (36)	0.6
Vibrio parahaemolyticus				0	0 (1)	0.1
Yersiniosis				0	1 (1)	0.2
<b>Sexually transmissible infections</b>						
Chlamydia (genital)		33 (56)	221.1	57	729*****	75.6
Gonorrhoea		30 (42)	244.1	5	153 (369)	17.8
Syphilis - Infectious		12 (10)	91.9	2	53 (63)	6.1
Syphilis - Non-Infectious			2.9	4	14 (19)	1.1
<b>Vaccine preventable diseases</b>						
Influenza		(1)	2.9	0	4 (371)	0.4
Pertussis				0	2 (26)	0.3
Pneumococcal infection			5.7	0	4 (11)	0.5
Rubella (non-congenital)				0	1 (0)	0.0
Varicella (chicken pox)				0	20 (39)	2.1
Varicella (shingles)		2 (8)	20.1	4	119 (217)	17.2
Varicella (unspecified)			2.9	36	154 (116)	12.8
<b>Vector-borne diseases</b>						
Barmah Forest virus		(1)	8.6	0	1 (4)	0.2
Malaria				0	1 (11)	0.1
Ross River virus		(7)	8.6	6	48 (29)	6.9
Typhus				0	1 (3)	0.2
<b>Zoonotic diseases</b>						
Leptospirosis			2.9	0	1 (0)	0.1
<b>Other diseases</b>						
COVID-19				6	12 (40)	2.2
Legionellosis			2.9	0	3 (3)	0.3
Melioidosis		(1)	2.9	0	0 (1)	0.0
Meningococcal infection			2.9	0	1 (1)	0.1
Tuberculosis				1	6 (17)	0.4
<b>Grand Total</b>	<b>17</b>	<b>115 (137)</b>		<b>255</b>	<b>1801 (3190)</b>	

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

	Week Ending								Cumulative Total to end of Week 10	
	21/01	28/01	04/02	11/02	18/02	25/02	04/03	11/03	2021	2020
	<b>Salmonella Total</b>	<b>34</b>	<b>22</b>	<b>27</b>	<b>18</b>	<b>29</b>	<b>23</b>	<b>15</b>	<b>5</b>	<b>229</b>
<b>Serotype/Phage</b>										
Salmonella Adelaide									2	2
Salmonella Anatum									1	3
Salmonella Bareilly			1						1	2
Salmonella Birkenhead				1	3				4	1
Salmonella Bovismorbificans						1	1		3	3
Salmonella Chester	1								1	11
Salmonella Choleraesuis bv Australia	1								2	6
Salmonella Choleraesuis bv Decatur			1			1			6	7
Salmonella Corvallis					1				1	3
Salmonella Eastbourne		1		1					2	1
Salmonella Fremantle subsp II									1	2
Salmonella Give			1						2	0
Salmonella Havana				1					1	1
Salmonella Hessarek									0	1
Salmonella Houten subsp IV					1				1	0
Salmonella Hvittingfoss			1						2	1
Salmonella Infantis	1			2		1			4	7
Salmonella Kiambu				1					1	0
Salmonella Kottbus									1	0
Salmonella Lansing	1								1	0
Salmonella Litchfield					1	1			2	3
Salmonella Livingstone			1						1	0
Salmonella Muenchen		2				1			3	15
Salmonella Newport			1	1		1			3	6
Salmonella Oranienburg					1				2	1
Salmonella Orion									0	0
Salmonella Poona					1				1	1
Salmonella Potsdam	1	1				1			5	1
Salmonella Reading						1			1	2
Salmonella Richmond									1	0
Salmonella Rissen	1								2	2
Salmonella Rubislaw									1	0
Salmonella Sachsenwald subsp IV					1				1	0
Salmonella Saintpaul			1	1			1		5	18
Salmonella Senftenberg									1	0
Salmonella Singapore						1			1	2
Salmonella Stanley				1					1	4
Salmonella Tennessee						1			2	0
Salmonella Typhimurium	23	17	18	6	14	7	3		116	271
Salmonella Urbana			1						1	0
Salmonella Virchow	1	1		1					4	7
Salmonella Wandsbek subsp II					1				1	2
Salmonella Wandsworth					1				1	0
Salmonella Weltevreden					1	1			2	4
Salmonella Zanzibar						1			2	1
Salmonella species	3		1	2	3	4	10	5	31	30
Salmonella subsp I ser 16:l,v:-	1								1	1