



## Department of Health

### STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program  
Communicable Disease Control Directorate

Report for eight week period 11-DEC-20 to 04-FEB-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 5			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	17/12	24/12	31/12	07/01	14/01	21/01	28/01	04/02	2021	2020	2019			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)								1	1	0	6	1	1.4	0.7
Hepatitis B (unspecified)	11	8	2	2	12	5	9	5	33	47	40	31	34.8	0.9
Hepatitis C (newly acquired)	3	1			1				1	7	10	1	8.5	0.1
Hepatitis C (unspecified)	13	15	15	8	24	23	18	9	82	77	74	74	69.8	1.1
Hepatitis D									0	0	0	0	0.5	0.0
<b>Enteric diseases</b>														
Campylobacteriosis	76	68	61	93	78	57	53	15	296	379	333	203	265.5	0.8
Cryptosporidiosis	2	2	1	3	3	1	2		9	122	16	6	40.7	0.1
Hepatitis A									0	1	7	0	1.7	0.0
Hepatitis E									0	1	2	0	0.5	0.0
Listeriosis					1				1	0	3	1	0.7	1.5
Paratyphoid fever									0	0	0	0	1.1	0.0
Rotavirus	4	1	4	1	2	3	1		7	29	16	6	23.7	0.3
STEC/VTEC infection		1	5	3	1	2	3		9	20	12	6	8.3	0.7
Salmonellosis	39	37	26	27	29	30	23	2	111	258	214	84	195.6	0.4
Shigellosis	1	2	6	2		1	3		6	52	67	4	24.9	0.2
Typhoid									0	1	5	0	1.7	0.0
Vibrio parahaemolyticus							1		1	1	6	1	2.1	0.5
Yersiniosis			1		1		1		2	3	0	2	0.9	2.1
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	201	166	84	179	248	232	147	43	849	1176	1300	670	925.3	0.7
Gonorrhoea	54	37	21	47	53	55	30	2	187	441	477	140	287.9	0.5
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	11	15	6	15	14	22	17	2	70	69	60	55	35.4	1.6
Syphilis - Non-Infectious	3	2		2	3	5	4	2	16	22	17	14	13.1	1.1
<b>Vaccine preventable diseases</b>														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	2	5	3		1		1		2	560	660	2	274.2	0.0
Measles									0	4	10	0	2.2	0.0
Mumps									0	2	3	0	18.8	0.0
Pertussis		2	1			1		1	2	45	77	2	91.5	0.0
Pneumococcal infection	2	6	5	3	1	1			5	14	12	2	8.7	0.2
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Tetanus	1								0	0	0	0	0.1	0.0
Varicella (chicken pox)	12	9	6	5	7	4	1	2	19	60	50	14	42.5	0.3
Varicella (shingles)	55	45	39	59	60	38	26	7	190	234	190	131	164.1	0.8
Varicella (unspecified)	28	30	29	28	36	39	42	29	174	130	141	146	116.3	1.3
<b>Vector-borne diseases</b>														
Barmah Forest virus						1			1	2	3	1	1.9	0.5
Chikungunya									0	2	0	0	0.9	0.0
Dengue fever									0	23	30	0	23.9	0.0
Malaria						1	1		2	9	1	2	5.7	0.3
Ross River virus	19	12	9	15	18	16	10		59	35	56	44	58.9	0.7
Typhus	2		1		2	1			3	6	0	3	2.3	1.3
<b>Zoonotic diseases</b>														
Leptospirosis		1				1			1	0	1	1	0.5	2.1
Q Fever									0	0	1	0	0.7	0.0
<b>Other diseases</b>														
Acute post-streptococcal glomerulonephritis									0	0	2	0	0.9	0.0
COVID-19	9	10	15	6	11	7	9		33	0	0	27	1.1	23.8
Creutzfeldt-Jakob disease		1							0	0	0	0	0.5	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.3	0.0
Legionellosis		2		1		1	2		4	4	2	3	2.9	1.0
Leprosy	1								0	0	0	0	0.3	0.0
Melioidosis									0	1	0	0	0.3	0.0
Meningococcal infection	1	1			2				2	2	3	2	2.2	0.9
Tuberculosis	1	4	2	3	3	5	1	1	13	10	9	10	11.0	0.9
<b>Grand Total</b>	<b>551</b>	<b>483</b>	<b>342</b>	<b>502</b>	<b>611</b>	<b>552</b>	<b>405</b>	<b>121</b>						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 5			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	17/12	24/12	31/12	07/01	14/01	21/01	28/01	04/02	2021	2020	2019			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)								1	1	0	4	1	1.0	1.0
Hepatitis B (unspecified)	10	8	1	2	10	2	7	4	25	41	34	23	29.1	0.8
Hepatitis C (newly acquired)	2	1			1				1	4	6	1	6.7	0.1
Hepatitis C (unspecified)	9	8	10	4	17	17	16	9	63	54	49	59	51.0	1.2
Hepatitis D									0	0	0	0	0.5	0.0
<b>Enteric diseases</b>														
Campylobacteriosis	50	52	52	79	66	50	44	12	251	314	270	172	211.4	0.8
Cryptosporidiosis	1	1	1	3	3	1			7	112	11	4	33.5	0.1
Hepatitis A									0	1	7	0	1.6	0.0
Hepatitis E									0	1	2	0	0.5	0.0
Listeriosis									0	0	3	0	0.6	0.0
Paratyphoid fever									0	0	0	0	1.1	0.0
Rotavirus	4	1	3	1	2	3	1		7	25	15	6	20.1	0.3
STEC/VTEC infection		1	4	2	1	2	1		6	15	10	4	5.9	0.7
Salmonellosis	34	26	20	19	23	26	16	2	86	188	183	67	153.5	0.4
Shigellosis		2	3	1					1	34	45	0	12.7	0.0
Typhoid									0	1	5	0	1.7	0.0
Vibrio parahaemolyticus							1		1	1	5	1	2.0	0.5
Yersiniosis			1		1		1		2	3	0	2	0.8	2.5
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	162	136	66	144	200	178	119	39	680	925	989	536	721.1	0.7
Gonorrhoea	33	21	11	24	37	28	24		113	311	336	89	193.4	0.5
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	5	8	3	9	9	13	9	2	42	39	35	33	24.4	1.4
Syphilis - Non-Infectious	2	1		2	2	4	3	1	12	19	14	10	10.5	1.0
<b>Vaccine preventable diseases</b>														
H. influenzae type b									0	0	0	0	0.0	0.0
Influenza	2	4	3		1		1		2	486	503	2	213.7	0.0
Measles									0	4	6	0	1.8	0.0
Mumps									0	2	2	0	1.7	0.0
Pertussis		2	1			1		1	2	39	63	2	66.5	0.0
Pneumococcal infection	1	3	3	1					1	8	9	0	4.8	0.0
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Tetanus	1								0	0	0	0	0.0	0.0
Varicella (chicken pox)	11	5	6	3	4	4	1	1	13	40	42	10	30.3	0.3
Varicella (shingles)	42	32	25	39	39	25	17	2	122	173	132	83	117.5	0.7
Varicella (unspecified)	27	28	27	27	31	38	39	27	162	125	136	135	110.2	1.2
<b>Vector-borne diseases</b>														
Barmah Forest virus									0	1	0	0	0.5	0.0
Chikungunya									0	0	0	0	0.5	0.0
Dengue fever									0	19	29	0	20.0	0.0
Malaria							1		1	7	1	1	4.9	0.2
Ross River virus	4	3	1	3	6	8	3		20	22	42	17	33.7	0.5
Typhus									0	4	0	0	1.5	0.0
<b>Zoonotic diseases</b>														
Leptospirosis									0	0	1	0	0.5	0.0
Q Fever									0	0	0	0	0.1	0.0
<b>Other diseases</b>														
COVID-19	6	3	6	2	6	2	4		14	0	0	12	1.0	12.0
Creutzfeldt-Jakob disease									0	0	0	0	0.3	0.0
Legionellosis		2		1			1		2	2	2	1	1.9	0.5
Leprosy	1								0	0	0	0	0.1	0.0
Meningococcal infection		1			1				1	1	1	1	1.5	0.7
Tuberculosis	1	3	2	3	3	5	1		12	10	8	9	9.8	0.9
<b>Grand Total</b>	<b>408</b>	<b>352</b>	<b>249</b>	<b>369</b>	<b>463</b>	<b>407</b>	<b>310</b>	<b>101</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	1	0.1
Hepatitis B (unspecified)	2	8 (10)	1.1		4 (11)	0.6	2	11 (13)	1.8
Hepatitis C (newly acquired)					1	0.2			
Hepatitis C (unspecified)	1	11 (15)	1.5	3	14 (20)	2.6	5	34 (14)	4.8
<b>Enteric diseases</b>									
Campylobacteriosis	5	59 (86)	12.1	5	62 (83)	13.0	2	51 (67)	10.4
Cryptosporidiosis					2 (26)	0.3		2 (24)	0.7
Listeriosis									
Rotavirus		1 (11)	0.1		2 (5)	0.3		3 (4)	0.5
STEC/VTEC infection		1 (6)	0.4					3 (2)	0.4
Salmonellosis	2	22 (60)	3.5		20 (42)	3.6		25 (53)	4.9
Shigellosis								(8)	0.1
Vibrio parahaemolyticus		1	0.1						
Yersiniosis		2 (2)	0.3						
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	16	170 (231)	29.4	11	146 (281)	29.2	12	220 (275)	37.1
Gonorrhoea		32 (71)	5.6		19 (88)	4.1		38 (84)	6.2
Syphilis - Infectious	2	8 (12)	1.1		7 (8)	1.7		18 (11)	3.2
Syphilis - Non-Infectious		3 (5)	0.5	1	5 (4)	0.9		2 (5)	0.3
<b>Vaccine preventable diseases</b>									
Influenza								2 (134)	0.3
Pertussis	1	1 (9)	0.1		1 (17)	0.2			
Pneumococcal infection		(3)	0.1						
Varicella (chicken pox)		2 (13)	0.4		6 (14)	1.2	1	2 (7)	0.3
Varicella (shingles)	2	39 (41)	7.1		25 (45)	6.5		19 (43)	3.7
Varicella (unspecified)	16	55 (41)	9.0	4	41 (41)	8.0	7	39 (27)	5.9
<b>Vector-borne diseases</b>									
Barmah Forest virus									
Malaria								1 (4)	0.1
Ross River virus		5 (4)	0.7		7 (8)	1.5		5 (4)	0.7
Typhus									
<b>Zoonotic diseases</b>									
Leptospirosis									
<b>Other diseases</b>									
COVID-19		4	0.7		2	0.3		6	1.0
Legionellosis		1 (1)	0.1			0.2			
Meningococcal infection								1	0.1
Tuberculosis		2 (5)	0.5		3 (1)	0.5		4 (4)	0.7
<b>Grand Total</b>	<b>47</b>	<b>427 (626)</b>		<b>24</b>	<b>367 (694)</b>		<b>30</b>	<b>487 (783)</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)	1	3 (1)	1.6		1	1.6		1 (1)	1.3
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		4 (6)	2.7		(2)	1.6		1 (1)	2.7
<b>Enteric diseases</b>									
Campylobacteriosis		12 (13)	11.0		6 (3)	11.4	1	2 (8)	4.0
Cryptosporidiosis		1 (4)	0.5					1	1.3
Listeriosis		1	0.5						
Rotavirus									
STEC/VTEC infection		(2)	0.5		1 (1)	1.6			
Salmonellosis		6 (22)	5.5					3 (5)	5.3
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	3	41 (46)	28.5		10 (20)	17.9		11 (11)	21.4
Gonorrhoea		1 (21)	1.1					3 (2)	5.3
Syphilis - Infectious		2 (2)	1.6					1	1.3
Syphilis - Non-Infectious								1	1.3
<b>Vaccine preventable diseases</b>									
Influenza									
Pertussis									
Pneumococcal infection									1.3
Varicella (chicken pox)		1 (4)	1.1	1	1	1.6			
Varicella (shingles)	3	21 (23)	15.9		11 (10)	21.2		8 (5)	18.7
Varicella (unspecified)							1	3 (1)	4.0
<b>Vector-borne diseases</b>									
Barmah Forest virus									
Malaria									
Ross River virus		11 (4)	11.5		11	19.6		1	2.7
Typhus					1	1.6			
<b>Zoonotic diseases</b>									
Leptospirosis									
<b>Other diseases</b>									
COVID-19									
Legionellosis					1	1.6			
Meningococcal infection									
Tuberculosis									
<b>Grand Total</b>	<b>7</b>	<b>104 (148)</b>		<b>1</b>	<b>43 (36)</b>		<b>2</b>	<b>36 (34)</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 (1)	3.3
Hepatitis C (newly acquired)								(2)	1.7
Hepatitis C (unspecified)		2	3.3		4 (4)	7.7			
<b>Enteric diseases</b>									
Campylobacteriosis		2 (4)	6.6		2 (6)	3.9	1	3 (4)	5.0
Cryptosporidiosis									
Listeriosis									
Rotavirus									
STEC/VTEC infection					1	1.9			
Salmonellosis					1 (6)	3.9		2 (8)	3.3
Shigellosis		1 (3)	1.7					1 (3)	1.7
Vibrio parahaemolyticus									
Yersiniosis									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	1	17 (12)	33.2		14 (35)	29.0		22 (19)	50.2
Gonorrhoea		5 (9)	9.9	2	13 (14)	30.9		14 (18)	30.1
Syphilis - Infectious		2 (1)	3.3		4 (2)	7.7		4 (7)	10.0
Syphilis - Non-Infectious					1 (1)	1.9	1	1	1.7
<b>Vaccine preventable diseases</b>									
Influenza									
Pertussis									
Pneumococcal infection									1.7
Varicella (chicken pox)		1	3.3		1 (1)	1.9			
Varicella (shingles)		(2)	1.7	2	3	7.7		3 (5)	6.7
Varicella (unspecified)		1 (3)	1.7		1	1.9		2	3.3
<b>Vector-borne diseases</b>									
Barmah Forest virus									
Malaria									
Ross River virus					3	5.8			
Typhus								2	3.3
<b>Zoonotic diseases</b>									
Leptospirosis									
<b>Other diseases</b>									
COVID-19									
Legionellosis									
Meningococcal infection									
Tuberculosis									
<b>Grand Total</b>	<b>1</b>	<b>31 (34)</b>		<b>4</b>	<b>48 (69)</b>		<b>2</b>	<b>56 (67)</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)				1	1 (0)	0.0
Hepatitis B (unspecified)		1 (1)	2.9	5	31 (39)	1.2
Hepatitis C (newly acquired)				0	1 (7)	0.0
Hepatitis C (unspecified)		4 (1)	11.5	9	74 (66)	2.9
<b>Enteric diseases</b>						
Campylobacteriosis		2 (7)	8.6	15	203 (285)	11.2
Cryptosporidiosis				0	6 (103)	0.3
Listeriosis				0	1 (0)	0.0
Rotavirus				0	6 (24)	0.3
STEC/VTEC infection				0	6 (16)	0.3
Salmonellosis		5 (14)	20.1	2	84 (219)	4.2
Shigellosis		2 (8)	8.6	0	4 (41)	0.2
Vibrio parahaemolyticus				0	1 (0)	0.0
Yersiniosis				0	2 (3)	0.1
<b>Sexually transmissible infections</b>						
Chlamydia (genital)		16 (43)	63.2	43	670 (989)	32.0
Gonorrhoea		15 (38)	77.5	2	140 (352)	7.1
Syphilis - Infectious		9 (11)	34.5	2	55 (59)	2.6
Syphilis - Non-Infectious		1	2.9	2	14 (16)	0.5
<b>Vaccine preventable diseases</b>						
Influenza				0	2 (480)	0.1
Pertussis				1	2 (34)	0.1
Pneumococcal infection		2 (2)	5.7	0	2 (12)	0.2
Varicella (chicken pox)				2	14 (47)	0.7
Varicella (shingles)		1 (2)	5.7	7	131 (177)	7.2
Varicella (unspecified)				29	146 (114)	6.6
<b>Vector-borne diseases</b>						
Barmah Forest virus		1	2.9	0	1 (2)	0.0
Malaria				0	2 (8)	0.1
Ross River virus		1	2.9	0	44 (23)	2.2
Typhus				0	3 (5)	0.1
<b>Zoonotic diseases</b>						
Leptospirosis		1	2.9	0	1 (0)	0.0
<b>Other diseases</b>						
COVID-19				0	27 (0)	1.3
Legionellosis		1	2.9	0	3 (4)	0.2
Meningococcal infection		1	2.9	0	2 (1)	0.1
Tuberculosis				1	10 (10)	0.2
<b>Grand Total</b>		<b>63 (127)</b>		<b>121</b>	<b>1689 (3163)</b>	

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

	Week Ending								Cumulative Total to end of Week 5	
	17/12	24/12	31/12	07/01	14/01	21/01	28/01	04/02	2021	2020
	<b>Salmonella Total</b>	<b>39</b>	<b>37</b>	<b>26</b>	<b>27</b>	<b>29</b>	<b>30</b>	<b>23</b>	<b>2</b>	<b>111</b>
<b>Serotype/Phage</b>										
Salmonella Adelaide		1		2					2	1
Salmonella Amsterdam var 15+, 34+	1								0	0
Salmonella Anatum				1					1	2
Salmonella Anatum var 15+		1							0	2
Salmonella Bovismorbificans				1					1	2
Salmonella Chester		1				1			1	7
Salmonella Choleraesuis bv Australia			1			1			1	4
Salmonella Choleraesuis bv Decatur					4				4	2
Salmonella Eastbourne							1		1	0
Salmonella Fremantle subsp II			1	1					1	2
Salmonella Give					1				1	0
Salmonella Hessarek			1						0	1
Salmonella Hvittingfoss					1				1	1
Salmonella Kottbus				1					1	0
Salmonella Lansing						1			1	0
Salmonella Muenchen	1						1		1	10
Salmonella Newport		2							0	4
Salmonella Oranienburg					1				1	0
Salmonella Orion	1		1						0	0
Salmonella Potsdam					2	1			3	0
Salmonella Reading		1							0	2
Salmonella Richmond				1					1	0
Salmonella Rissen			1		1				1	2
Salmonella Rubislaw				1					1	0
Salmonella Saintpaul	1	1	2	1					1	10
Salmonella Senftenberg			4		1				1	0
Salmonella Stanley		2	1						0	3
Salmonella Tennessee		1			1				1	0
Salmonella Typhimurium	34	25	13	16	13	21	9		59	125
Salmonella Virchow					1	1			2	4
Salmonella Zanzibar					1				1	0
Salmonella species	1	2	1	2	2	3	12	2	21	16
Salmonella subsp I ser 16:l,v:-						1			1	0