



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 20-NOV-20 to 14-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

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 2			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	26/11	03/12	10/12	17/12	24/12	31/12	07/01	14/01	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	4	9	12	11	8	2	2	11	13	18	10	23	35.9	0.6
Hepatitis C (newly acquired)		2		2	1		1	1	2	1	4	3	10.5	0.3
Hepatitis C (unspecified)	12	27	22	14	15	15	7	22	29	27	21	59	70.1	0.8
Hepatitis D									0	0	0	0	0.2	0.0
Enteric diseases														
Campylobacteriosis	70	71	65	76	68	58	80	14	94	170	161	220	282.9	0.8
Cryptosporidiosis	1	1	1	2	2	1	1		1	37	3	4	30.7	0.1
Hepatitis A									0	0	1	0	1.6	0.0
Hepatitis E									0	1	2	0	0.5	0.0
Listeriosis	1								0	0	1	0	0.6	0.0
Paratyphoid fever									0	0	0	0	1.0	0.0
Rotavirus	1	6	8	4	1	4	1		1	11	6	6	25.5	0.2
STEC/VTEC infection	1			1	1	1	1		1	5	6	3	9.2	0.3
Salmonellosis	29	26	16	36	38	22	22	6	28	88	80	88	189.9	0.5
Shigellosis	3	2	4	1	2	5	2		2	24	33	9	23.3	0.4
Typhoid	2								0	0	0	0	1.7	0.0
Vibrio parahaemolyticus									0	1	2	0	1.9	0.0
Yersiniosis			2			1			0	1	0	1	1.1	0.9
Sexually transmissible infections														
Chlamydia (genital)	213	195	201	202	163	81	162	68	230	430	507	474	894.5	0.5
Gonorrhoea	68	69	49	57	36	21	44	14	58	200	192	115	278.8	0.4
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	11	17	15	12	13	5	12		12	25	22	30	33.1	0.9
Syphilis - Non-Infectious	2	4	2	3	1		2	4	6	12	8	7	13.1	0.5
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.2	0.0
Influenza	2	2	3	2	5	4		1	1	188	254	10	254.7	0.0
Measles								1	1	2	4	1	2.3	0.4
Mumps									0	0	1	0	16.3	0.0
Pertussis	1	2			2				0	21	37	2	103.5	0.0
Pneumococcal infection	7	5	1	2	6	5	2		2	4	7	13	9.5	1.4
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	19	24	12	9	6	3	2	5	31	25	20	43.8	0.5
Varicella (shingles)	51	45	57	53	43	35	39	6	45	108	87	123	158.8	0.8
Varicella (unspecified)	39	44	32	30	32	31	33	37	70	48	48	133	115.5	1.2
Vector-borne diseases														
Barmah Forest virus									0	1	1	0	2.1	0.0
Chikungunya									0	0	0	0	0.7	0.0
Dengue fever									0	13	13	0	22.1	0.0
Malaria									0	4	0	0	4.9	0.0
Ross River virus	28	13	23	17	12	9	12	5	17	14	26	38	54.0	0.7
Typhus		1		2		1			0	2	0	1	2.4	0.4
Zoonotic diseases														
Leptospirosis					1				0	0	1	1	0.5	2.1
Q Fever									0	0	1	0	0.7	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis									0	0	1	0	1.0	0.0
COVID-19	20	12	7	9	9	14	8	2	10	0	0	33	0.3	123.8
Creutzfeldt-Jakob disease					1				0	0	0	1	0.3	3.8
Haemolytic Uraemic Syndrome									0	0	0	0	0.3	0.0
Legionellosis	5	3	3		2				0	2	1	2	3.3	0.6
Leprosy				1					0	0	0	0	0.3	0.0
Melioidosis									0	0	0	0	0.3	0.0
Meningococcal infection				1	1				0	1	0	1	2.1	0.5
Tuberculosis	5	3	4	1	4	2	3	3	6	2	1	12	10.3	1.2
Grand Total	592	578	551	552	476	323	438	196						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 2			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	26/11	03/12	10/12	17/12	24/12	31/12	07/01	14/01	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	4	7	8	10	8	1	2	9	11	16	8	20	30.5	0.7
Hepatitis C (newly acquired)		2		1	1		1	1	2	0	4	3	8.3	0.4
Hepatitis C (unspecified)	8	23	18	9	8	10	3	16	19	17	13	37	51.3	0.7
Hepatitis D									0	0	0	0	0.2	0.0
Enteric diseases														
Campylobacteriosis	59	49	50	50	52	49	69	13	82	136	125	183	223.3	0.8
Cryptosporidiosis	1		1	1	1	1	1		1	33	1	3	24.0	0.1
Hepatitis A									0	0	1	0	1.4	0.0
Hepatitis E									0	1	2	0	0.5	0.0
Listeriosis	1								0	0	1	0	0.5	0.0
Paratyphoid fever									0	0	0	0	0.9	0.0
Rotavirus	1	5	7	4	1	3	1		1	10	6	5	21.9	0.2
STEC/VTEC infection	1			1	1	1	1		1	4	4	3	6.9	0.4
Salmonellosis	23	22	15	31	28	15	19	5	24	70	68	67	148.6	0.5
Shigellosis	2	2	1		2	2	1		1	18	19	5	11.8	0.4
Typhoid	2								0	0	0	0	1.7	0.0
Vibrio parahaemolyticus									0	1	2	0	1.8	0.0
Yersiniosis			2			1			0	1	0	1	1.0	1.0
Sexually transmissible infections														
Chlamydia (genital)	150	159	164	163	134	65	134	61	195	330	377	394	697.8	0.6
Gonorrhoea	34	35	25	33	20	11	25	12	37	139	136	68	191.1	0.4
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	5	8	11	5	6	3	7		7	13	11	16	23.1	0.7
Syphilis - Non-Infectious	2	3	1	2	1		2	1	3	11	8	4	10.3	0.4
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	1	1	2	2	4	4		1	1	156	184	9	198.1	0.0
Measles									0	2	2	0	1.9	0.0
Mumps									0	0	0	0	1.9	0.0
Pertussis	1	1			2				0	19	29	2	71.8	0.0
Pneumococcal infection	3	3	1	1	3	3			0	3	5	6	5.5	1.1
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus				1					0	0	0	0	0.0	0.0
Varicella (chicken pox)	12	16	20	11	5	6	2	1	3	20	20	14	32.8	0.4
Varicella (shingles)	39	36	46	42	31	23	24	3	27	78	60	81	115.0	0.7
Varicella (unspecified)	36	41	29	27	29	28	31	32	63	45	47	120	109.5	1.1
Vector-borne diseases														
Barmah Forest virus									0	1	0	0	0.7	0.0
Chikungunya									0	0	0	0	0.5	0.0
Dengue fever									0	10	13	0	18.8	0.0
Malaria									0	4	0	0	4.2	0.0
Ross River virus	12	3	8	5	4	3	3	2	5	7	20	12	31.1	0.4
Typhus									0	2	0	0	1.8	0.0
Zoonotic diseases														
Leptospirosis									0	0	1	0	0.5	0.0
Q Fever									0	0	0	0	0.2	0.0
Other diseases														
COVID-19	8	8	3	6	3	6	3	2	5	0	0	14	0.3	52.5
Creutzfeldt-Jakob disease									0	0	0	0	0.1	0.0
Legionellosis	5	2	3		2				0	1	1	2	2.3	0.9
Leprosy				1					0	0	0	0	0.1	0.0
Meningococcal infection					1				0	1	0	1	1.3	0.8
Tuberculosis	5	3	4	1	3	2	3	3	6	2	1	11	9.1	1.2
Grand Total	415	429	419	407	350	237	332	162						

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]
Blood-borne diseases[2]									
Hepatitis B (unspecified)	2	8 (11)	0.3	4	6 (11)	0.6	3	6 (13)	0.7
Hepatitis C (newly acquired)					2	0.2	1	1 (2)	0.1
Hepatitis C (unspecified)	7	14 (10)	1.0	5	10 (13)	1.1	4	13 (11)	0.7
Enteric diseases									
Campylobacteriosis	6	73 (85)	4.5	2	51 (79)	3.5	5	59 (70)	3.6
Cryptosporidiosis					1 (10)			2 (15)	0.1
Rotavirus		1 (10)			2 (9)			2 (3)	0.1
STEC/VTEC infection		2 (2)	0.1					1 (2)	
Salmonellosis	3	29 (41)	1.4		6 (47)	0.3	2	32 (33)	1.6
Shigellosis		1 (7)						4 (8)	0.1
Yersiniosis		1 (1)							
Sexually transmissible infections									
Chlamydia (genital)	15	120 (176)	7.9	11	118 (189)	8.7	35	156 (218)	10.8
Gonorrhoea	3	25 (62)	1.6	1	20 (66)	1.7	8	23 (88)	1.9
Syphilis - Infectious		2 (10)	0.1		6 (5)	0.3		8 (9)	0.5
Syphilis - Non-Infectious		1 (5)	0.1	1	3 (4)	0.3			
Vaccine preventable diseases									
Influenza		2 (107)			3 (70)		1	4 (87)	0.1
Measles									
Pertussis					2 (15)				
Pneumococcal infection		2						4 (2)	
Varicella (chicken pox)		3 (12)		1	9 (18)	0.5		2 (5)	
Varicella (shingles)	2	25 (42)	1.2		28 (54)	1.7	1	28 (33)	1.0
Varicella (unspecified)	13	49 (30)	3.4	12	48 (40)	3.9	7	23 (21)	1.6
Vector-borne diseases									
Ross River virus		3 (3)		1	7 (6)	0.5	1	2 (2)	0.3
Typhus									
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19		6	0.1				2	8	0.5
Creutzfeldt-Jakob disease									
Legionellosis					1			1 (1)	
Meningococcal infection		1							
Tuberculosis	1	4 (3)	0.4		1 (2)		2	6 (2)	0.4
Grand Total	52	372 (617)		38	324 (638)		72	385 (625)	

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]
Blood-borne diseases[2]									
Hepatitis B (unspecified)							1	1 (1)	1.3
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	1	4 (2)	1.1	1		1.6		5 (3)	1.3
Enteric diseases									
Campylobacteriosis		23 (25)	3.8		5 (3)	1.6		1 (5)	1.3
Cryptosporidiosis									
Rotavirus					1				
STEC/VTEC infection									
Salmonellosis	1	7 (11)	1.6	2 (2)				3 (3)	1.3
Shigellosis									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	2	25 (46)	5.5	1	2 (11)	3.3		10 (15)	6.7
Gonorrhoea		2 (24)	0.5		1 (2)			4 (2)	2.7
Syphilis - Infectious									
Syphilis - Non-Infectious	2	2	1.1						
Vaccine preventable diseases									
Influenza								1 (3)	
Measles		1	0.5						
Pertussis									
Pneumococcal infection								2	1.3
Varicella (chicken pox)		2 (3)	0.5		1				
Varicella (shingles)	2	20 (20)	4.9	1	6 (8)	4.9		9 (3)	5.3
Varicella (unspecified)	1	2	0.5		1 (2)		2	5 (1)	4.0
Vector-borne diseases									
Ross River virus	3	22 (7)	5.5		1 (1)	1.6		1 (1)	1.3
Typhus					1				
Zoonotic diseases									
Leptospirosis					1				
Other diseases									
COVID-19									
Creutzfeldt-Jakob disease									
Legionellosis									
Meningococcal infection									
Tuberculosis									
Grand Total	12	110 (138)		2	23 (29)		3	42 (37)	

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]
Blood-borne diseases[2]									
Hepatitis B (unspecified)							1	2 (1)	1.7
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	1	4 (2)	1.7	2	3 (2)	3.9		2 (1)	1.7
Enteric diseases									
Campylobacteriosis		3 (5)	1.7		1 (3)				
Cryptosporidiosis									
Rotavirus									
STEC/VTEC infection									
Salmonellosis					2 (3)			3 (4)	
Shigellosis		2 (2)							
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)		9 (14)	3.3	2	8 (22)	7.7	2	13 (22)	13.4
Gonorrhoea		3 (8)	1.7	2	8 (9)	9.7		7 (22)	6.7
Syphilis - Infectious					2 (1)			5 (5)	3.3
Syphilis - Non-Infectious									
Vaccine preventable diseases									
Influenza									
Measles									
Pertussis									
Pneumococcal infection		1			2			1 (1)	1.7
Varicella (chicken pox)				1	3 (2)	1.9			
Varicella (shingles)					1 (4)			2 (7)	1.7
Varicella (unspecified)	1	2 (1)	1.7						
Vector-borne diseases									
Ross River virus		1 (1)						1	
Typhus									
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19								1	
Creutzfeldt-Jakob disease		1							
Legionellosis									
Meningococcal infection									
Tuberculosis									
Grand Total	2	26 (33)		7	30 (46)		3	37 (63)	

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]
Blood-borne diseases[2]						
Hepatitis B (unspecified)				11	23 (38)	0.5
Hepatitis C (newly acquired)				1	3 (3)	0.0
Hepatitis C (unspecified)	2	3 (1)	5.7	22	59 (46)	0.9
Enteric diseases						
Campylobacteriosis	1	3 (5)	5.7	14	220 (286)	3.5
Cryptosporidiosis				0	4 (59)	0.0
Rotavirus				0	6 (25)	0.0
STEC/VTEC infection				0	3 (9)	0.0
Salmonellosis		4 (6)		6	88 (159)	1.1
Shigellosis		2 (8)	2.9	0	9 (38)	0.1
Yersiniosis				0	1 (3)	0.0
Sexually transmissible infections						
Chlamydia (genital)		11 (26)	11.5	68	474 (752)	8.7
Gonorrhoea		20 (25)	20.1	14	115 (313)	2.2
Syphilis - Infectious		7 (5)	8.6	0	30 (39)	0.5
Syphilis - Non-Infectious	1	1 (1)	2.9	4	7 (18)	0.0
Vaccine preventable diseases						
Influenza				1	10 (315)	0.0
Measles				0	1 (2)	0.0
Pertussis				0	2 (43)	0.0
Pneumococcal infection				0	13 (8)	0.1
Varicella (chicken pox)				2	20 (49)	0.2
Varicella (shingles)		4 (2)	2.9	6	123 (178)	1.7
Varicella (unspecified)		1		37	133 (96)	2.6
Vector-borne diseases						
Ross River virus				5	38 (21)	0.6
Typhus				0	1 (3)	0.0
Zoonotic diseases						
Leptospirosis				0	1 (0)	0.0
Other diseases						
COVID-19				2	33 (0)	0.4
Creutzfeldt-Jakob disease				0	1 (2)	0.0
Legionellosis				0	2 (4)	0.0
Meningococcal infection				0	1 (3)	0.0
Tuberculosis				3	12 (7)	0.0
Grand Total	4	56 (79)		196	1433 (2558)	

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

	Week Ending								Cumulative Total to end of Week 2	
	26/11	03/12	10/12	17/12	24/12	31/12	07/01	14/01	2021	2020
	Salmonella Total	29	26	16	36	38	22	22	6	28
Serotype/Phage										
Salmonella Amsterdam var 15+, 34+				1					0	0
Salmonella Anatum							1		1	0
Salmonella Anatum var 15+					1				0	0
Salmonella Choleraesuis bv Australia	1		1						0	4
Salmonella Fremantle subsp II						1			0	0
Salmonella Infantis		1							0	1
Salmonella Kiambu	1	1							0	0
Salmonella Muenchen				1					0	1
Salmonella Newport		1			2				0	1
Salmonella Orientalis	1								0	0
Salmonella Orion				1					0	0
Salmonella Paratyphi B bv Java	1								0	6
Salmonella Poona	1								0	0
Salmonella Potsdam	1								0	0
Salmonella Reading		1			1				0	1
Salmonella Rissen						1			0	1
Salmonella Saintpaul	1				2		1		1	4
Salmonella Senftenberg		1				4			0	0
Salmonella Singapore		1							0	1
Salmonella Stanley					2	1			0	1
Salmonella Tennessee		1			1				0	0
Salmonella Typhimurium	21	19	15	32	26	11	5		5	33
Salmonella species	1			1	3	4	15	6	21	7