



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 20-NOV-21 to 14-JAN-22

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	2022	2021	2020			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	10	5	10	4	11	4	3	9	12	14	18	27	36.3	0.7
Hepatitis C (newly acquired)	1	3	1					1	1	1		1	9.1	0.1
Hepatitis C (unspecified)	13	16	18	20	26	12	10	15	25	33	27	63	72.1	0.9
Hepatitis D			1	1					0	0	0	0	0.2	0.0
Enteric diseases														
Campylobacteriosis	110	72	70	80	73	58	77	63	140	174	170	271	289.0	0.9
Cryptosporidiosis	1	2	8	4	5	3	6	3	9	6	37	17	26.7	0.6
Hepatitis A									0	0	0	0	1.0	0.0
Listeriosis	1								0	1	0	0	0.7	0.0
Rotavirus	40	47	31	35	21	14	20	9	29	5	11	64	24.7	2.6
STEC/VTEC infection	2	5	2	1	1		4		4	8	5	5	10.6	0.5
Salmonellosis	20	13	24	17	13	14	21	15	36	56	87	63	176.8	0.4
Shigellosis	1	1	2	4	1	1	2	4	6	2	24	8	23.8	0.3
Typhoid									0	0	0	0	1.9	0.0
Vibrio parahaemolyticus				1		1	2		2	0	1	3	1.6	1.9
Yersiniosis		2	2	4	3		2	1	3	0	1	6	1.3	4.5
Sexually transmissible infections														
Chancroid									0	0	0	0	0.1	0.0
Chlamydia (genital)	223	215	227	172	186	107	201	214	415	436	431	708	879.4	0.8
Gonorrhoea	49	56	63	46	44	32	57	49	106	102	200	182	280.1	0.6
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	27	21	22	25	23	11	28	29	57	29	25	91	39.9	2.3
Syphilis - Non-Infectious	5	2	3	9	6				2	4	12	8	14.9	0.5
Vaccine preventable diseases														
H. influenzae type b	1								0	0	0	0	0.1	0.0
Influenza	2		2	1	1				0	1	188	1	231.8	0.0
Mumps									0	0	0	0	1.9	0.0
Pertussis			1			1	1	1	2	2	21	3	66.7	0.0
Pneumococcal infection	4	4	4	3	5	1	1	2	3	4	4	9	10.6	0.8
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus									0	0	0	0	0.1	0.0
Varicella (chicken pox)	26	17	20	4	11	10	4		4	12	30	25	45.7	0.5
Varicella (shingles)	56	56	64	54	43	31	25	10	35	126	108	109	177.5	0.6
Varicella (unspecified)	43	46	69	48	49	46	53	79	132	60	48	227	115.9	2.0
Vector-borne diseases														
Barmah Forest virus	1	1		3	1			1	1	1	1	2	1.8	1.1
Malaria			1					1	1	1	4	1	3.7	0.3
Ross River virus	4	13	10	13	11	11	14	24	38	61	14	60	64.1	0.9
Typhus			1	1	2	1		1	1	2	2	4	2.5	1.6
Zoonotic diseases														
Leptospirosis									0	0	0	0	0.6	0.0
Q Fever						1			0	0	0	1	0.6	1.7
Other diseases														
Acute post-streptococcal glomerulonephritis							1		1	0	0	1	1.0	1.0
Amoebic meningitis									0	0	0	0	0.0	0.0
COVID-19	2	1	1	2	18	26	61	27	88	17	0	132	8.3	16.0
Creutzfeldt-Jakob disease		1							0	0	0	0	0.2	0.0
Haemolytic Uraemic Syndrome									0	0	0	0	0.3	0.0
Legionellosis	2	4		4	2	2	2	2	4	1	2	8	3.7	2.1
Leprosy								1	1	0	0	1	0.2	5.0
Melioidosis									0	0	0	0	0.3	0.0
Meningococcal infection					1	1	1		1	2	1	3	2.3	1.3
RSV	26	71	56	95	96	134	132	93	225	2	0	455	0.1	*****
Tuberculosis	7	1	5	5	6	4			0	4	2	10	10.5	1.0
iGAS		1	2	2	3	3	3	4	7	0	0	13	0.0	0.0
Grand Total	677	676	720	658	662	529	731	660						

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	2022	2021	2020			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	9	5	9	3	6	1	2	6	8	12	16	15	30.0	0.5
Hepatitis C (newly acquired)	1	3	1					1	1	1	0	1	7.0	0.1
Hepatitis C (unspecified)	10	13	15	12	17	11	9	11	20	23	17	48	52.4	0.9
Hepatitis D			1	1					0	0	0	0	0.2	0.0
Enteric diseases														
Campylobacteriosis	86	56	54	56	56	43	62	51	113	146	136	212	228.4	0.9
Cryptosporidiosis	1		6	2	1		5		5	6	33	6	21.1	0.3
Hepatitis A									0	0	0	0	1.0	0.0
Listeriosis	1								0	0	0	0	0.5	0.0
Rotavirus	34	40	27	29	18	11	16	6	22	4	10	51	21.6	2.4
STEC/VTEC infection	1	4	1	1	1		3		3	6	4	4	8.2	0.5
Salmonellosis	15	7	18	10	7	10	15	12	27	42	70	44	138.9	0.3
Shigellosis		1	1	2	1	1		4	4	1	18	6	11.8	0.5
Typhoid									0	0	0	0	1.8	0.0
Vibrio parahaemolyticus				1		1	2		2	0	1	3	1.5	2.0
Yersiniosis		2	2	4	2		2	1	3	0	1	5	1.3	3.9
Sexually transmissible infections														
Chlamydia (genital)	177	166	177	144	143	87	162	165	327	351	331	557	689.3	0.8
Gonorrhoea	32	40	40	29	30	17	39	39	78	62	139	125	188.0	0.7
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	17	13	12	15	16	5	22	17	39	19	13	60	25.3	2.4
Syphilis - Non-Infectious	3		1	3				1	1	3	11	1	11.7	0.1
Vaccine preventable diseases														
Influenza	2		1		1				0	1	156	1	178.5	0.0
Pertussis			1			1		1	1	2	19	2	49.2	0.0
Pneumococcal infection	3		3	2	3	1		2	2	1	3	6	6.1	1.0
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus									0	0	0	0	0.1	0.0
Varicella (chicken pox)	20	13	20	4	7	10	4		4	7	19	21	34.4	0.6
Varicella (shingles)	36	33	46	37	28	22	15	5	20	82	78	70	128.1	0.5
Varicella (unspecified)	40	44	64	45	45	43	48	73	121	56	45	209	111.7	1.9
Vector-borne diseases														
Barmah Forest virus				1					0	0	1	0	0.5	0.0
Malaria								1	1	0	4	1	3.2	0.3
Ross River virus	2	10	2	6	5	9	8	15	23	19	7	37	33.5	1.1
Typhus			1	1	1			1	1	0	2	2	1.4	1.4
Zoonotic diseases														
Q Fever									0	0	0	0	0.2	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis									0	0	0	0	0.0	0.0
COVID-19	2	1	1	2	14	13	42	23	65	8	0	92	3.9	23.8
Creutzfeldt-Jakob disease		1							0	0	0	0	0.1	0.0
Haemolytic Uraemic Syndrome									0	0	0	0	0.2	0.0
Legionellosis	2	3		3	2	1	1	2	3	1	1	6	3.1	2.0
Leprosy								1	1	0	0	1	0.1	15.0
Melioidosis									0	0	0	0	0.1	0.0
Meningococcal infection					1	1	1		1	1	1	3	1.3	2.3
RSV	14	56	40	64	56	93	89	59	148	0	0	297	0.0	0.0
Tuberculosis	7	1	3	4	5	4			0	4	2	9	9.3	1.0
iGAS				1	3	3	1	2	3	0	0	9	0.0	0.0
Grand Total	515	512	547	482	469	388	548	499						

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)	3	6 (8)	0.4	1	3 (6)	0.4	2	6 (7)	0.3
Hepatitis C (newly acquired)	1	1	0.1						
Hepatitis C (unspecified)		5 (13)	0.1	3	21 (12)	1.2	8	22 (17)	1.5
Enteric diseases									
Campylobacteriosis	22	77 (93)	5.8	14	65 (75)	5.7	15	70 (82)	4.3
Cryptosporidiosis		3	0.4		2 (2)	0.1		1 (6)	0.1
Rotavirus	1	18 (2)	0.5	3	15 (3)	1.5	2	18 (4)	1.1
STEC/VTEC infection								4 (5)	0.4
Salmonellosis	6	16 (33)	1.5	2	15 (14)	0.7	4	13 (41)	1.5
Shigellosis	2	3 (2)	0.3	1	2	0.1	1	1 (4)	0.1
Vibrio parahaemolyticus								3	0.3
Yersiniosis		1 (1)	0.1		3	0.1	1	1	0.1
Sexually transmissible infections									
Chlamydia (genital)	58	164 (171)	13.3	37	151 (162)	13.4	70	242 (218)	18.8
Gonorrhoea	13	40 (35)	3.1	2	25 (25)	2.1	24	60 (34)	5.6
Syphilis - Infectious		10 (2)	0.5	4	17 (12)	1.6	13	33 (16)	3.3
Syphilis - Non-Infectious	1	1 (1)	0.1						
Vaccine preventable diseases									
Influenza								1 (3)	
Pertussis	1	1 (1)	0.1					1	
Pneumococcal infection	1	3 (3)	0.1	1	2	0.1		1 (4)	
Varicella (chicken pox)		7 (4)	0.1		7 (12)	0.1		7 (2)	0.3
Varicella (shingles)	2	24 (49)	0.9	2	25 (52)	1.5	1	21 (40)	0.4
Varicella (unspecified)	20	63 (42)	4.6	30	81 (44)	7.0	23	65 (25)	5.4
Vector-borne diseases									
Barmah Forest virus									
Malaria							1	1	0.1
Ross River virus	3	6 (8)	0.5	6	17 (12)	1.6	6	14 (7)	1.1
Typhus	1	1	0.1		1				
Zoonotic diseases									
Q Fever									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19	5	19 (7)	1.9	6	34 (1)	3.9	12	39 (9)	3.4
Legionellosis	1	4	0.3				1	2 (1)	0.1
Leprosy							1	1	0.1
Meningococcal infection								3 (1)	0.1
RSV	12	64	4.2	24	116	8.4	23	117	8.3
Tuberculosis		1 (4)			2 (1)			6 (3)	
iGAS	1	6	0.1		1	0.1	1	2	0.1
Grand Total	154	544 (479)		136	605 (433)		209	755 (529)	

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	2	0.5				2 (1)		1.3
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		1 (3)		1	3 (1)	1.6	1 (4)		1.3
Enteric diseases									
Campylobacteriosis	6	33 (29)	8.2	1	6 (12)	6.5	1	4 (1)	1.3
Cryptosporidiosis	1	7	1.1						
Rotavirus		2	0.5		3 (2)	3.3	1	3	2.7
STEC/VTEC infection									
Salmonellosis		5 (9)	1.6				1 (5)		1.3
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis							1		
Sexually transmissible infections									
Chlamydia (genital)	5	25 (42)	6.5	3	15 (5)	6.5	6	13 (13)	13.5
Gonorrhoea		3 (2)			2 (1)	1.6	1	1 (4)	1.3
Syphilis - Infectious	1	3 (1)	1.1						
Syphilis - Non-Infectious									
Vaccine preventable diseases									
Influenza									
Pertussis									
Pneumococcal infection		1							
Varicella (chicken pox)		2 (3)			2 (1)				
Varicella (shingles)	3	20 (28)	4.3		1 (11)		1	4 (15)	2.7
Varicella (unspecified)	1	3 (1)	1.6	2	5	4.9		1 (2)	1.3
Vector-borne diseases									
Barmah Forest virus	1	1	0.5		1				
Malaria									
Ross River virus	3	8 (33)	2.7	5	11 (14)	13.0		1 (1)	
Typhus		1			1 (2)				
Zoonotic diseases									
Q Fever							1		
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19								1	
Legionellosis		2	0.5						
Leprosy									
Meningococcal infection									
RSV	8	38 (1)	10.9	2	8	8.1		7	5.4
Tuberculosis									
iGAS	1	2	1.1	1	1	1.6			
Grand Total	31	159 (152)		15	59 (49)		10	41 (46)	

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)		2					2	3 (2)	3.4
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	1	1 (3)	1.7	1	3 (4)	2.0	1	4 (2)	1.7
Enteric diseases									
Campylobacteriosis		4 (4)		1	1 (3)	2.0	2	8	6.8
Cryptosporidiosis		1					1	1	1.7
Rotavirus				1	2	2.0		1	
STEC/VTEC infection									
Salmonellosis		3	1.7		2 (4)		1	3 (3)	1.7
Shigellosis								1	1.7
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	5	19 (18)	15.2	5	15 (10)	23.7	6	20 (21)	22.0
Gonorrhoea	1	3 (2)	5.1		6 (12)	4.0	4	12 (13)	11.8
Syphilis - Infectious	1	3	3.4	6	8 (2)	15.8	3	7 (7)	8.5
Syphilis - Non-Infectious					5 (1)			1	
Vaccine preventable diseases									
Influenza									
Pertussis		1	1.7						
Pneumococcal infection					1 (2)	2.0		1 (1)	
Varicella (chicken pox)									
Varicella (shingles)		2 (2)	1.7		7 (3)	4.0	1	3 (4)	1.7
Varicella (unspecified)	1	4 (2)	1.7	1	2	4.0			
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus					2 (10)	2.0	1	1 (1)	1.7
Typhus									
Zoonotic diseases									
Q Fever									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19									
Legionellosis									
Leprosy									
Meningococcal infection									
RSV	8	29 (1)	33.7	2	4	4.0	6	56	23.7
Tuberculosis		1							
iGAS									
Grand Total	17	73 (32)		17	58 (51)		28	122 (54)	

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)		2		9	27 (24)	0.4
Hepatitis C (newly acquired)				1	1 (3)	0.0
Hepatitis C (unspecified)		1 (3)		15	63 (62)	1.1
Enteric diseases						
Campylobacteriosis		2 (3)	2.9	63	271 (303)	5.2
Cryptosporidiosis	1	2	2.9	3	17 (9)	0.3
Rotavirus	1	1	2.9	9	64 (11)	1.1
STEC/VTEC infection		1	2.9	0	5 (14)	0.1
Salmonellosis	2	5 (9)	8.7	15	63 (120)	1.3
Shigellosis		1 (2)	2.9	4	8 (10)	0.2
Vibrio parahaemolyticus				0	3 (0)	0.1
Yersiniosis				1	6 (1)	0.1
Sexually transmissible infections						
Chlamydia (genital)	15	37 (20)	69.7	214	708 (685)	15.5
Gonorrhoea	3	28 (30)	37.8	49	182 (160)	4.0
Syphilis - Infectious		7 (9)		29	91 (50)	2.1
Syphilis - Non-Infectious	1	1 (1)	2.9	2	8 (6)	0.0
Vaccine preventable diseases						
Influenza				0	1 (9)	0.0
Pertussis				1	3 (5)	0.1
Pneumococcal infection				2	9 (15)	0.1
Varicella (chicken pox)				0	25 (27)	0.1
Varicella (shingles)		1 (5)		10	109 (212)	1.3
Varicella (unspecified)	1	2 (1)	2.9	79	227 (119)	4.9
Vector-borne diseases						
Barmah Forest virus				1	2 (1)	0.0
Malaria				1	1 (1)	0.0
Ross River virus				24	60 (88)	1.4
Typhus				1	4 (4)	0.0
Zoonotic diseases						
Q Fever				0	1 (0)	0.0
Other diseases						
Acute post-streptococcal glomerulonephritis (APS)		1	2.9	0	1 (0)	0.0
COVID-19				27	132 (42)	6.3
Legionellosis				2	8 (3)	0.1
Leprosy				1	1 (0)	0.0
Meningococcal infection				0	3 (3)	0.0
RSV	6	12	23.2	93	455 (2)	8.4
Tuberculosis				0	10 (8)	0.0
iGAS		1	2.9	4	13 (0)	0.3
Grand Total	30	105 (83)		660	2582 (2000)	

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	2022	2021
	Salmonella Total	20	13	24	17	13	14	21	15	36
Serotype/Phage										
Salmonella Adelaide					1				0	2
Salmonella Agona	1								0	0
Salmonella Bareilly						1			0	0
Salmonella Braenderup			1	1					0	0
Salmonella Cerro					1				0	0
Salmonella Chester		1	1						0	0
Salmonella Eastbourne							1		1	0
Salmonella Give	1	1							0	1
Salmonella Give var 15+					1				0	0
Salmonella Hvittingfoss			1				1		1	1
Salmonella Infantis	1				1	1		1	1	0
Salmonella Johannesburg				1					0	0
Salmonella Lexington				1					0	0
Salmonella Muenchen			1		1				0	0
Salmonella Newport					3				0	0
Salmonella Oranienburg				1					0	1
Salmonella Orion				1			1		1	0
Salmonella Poona	1	1	1	1					0	0
Salmonella Potsdam	1								0	2
Salmonella Reading								1	1	0
Salmonella Rissen							1		1	1
Salmonella Sachsenwald subsp IV			1						0	0
Salmonella Saintpaul	1	2	2	2		1			0	2
Salmonella Stanley	2			1			1		1	0
Salmonella Typhimurium	8	6	12	8	3	9	12		12	28
Salmonella Virchow	1		1					1	1	1
Salmonella Wandsbek subsp II			1						0	0
Salmonella Wandsworth							1		1	0
Salmonella species	3	1	2		1	2	3	12	15	3
Salmonella subsp 1 ser 4,5:d:-					1				0	0
Salmonella subsp IIIb 50:k:z		1							0	0