



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 04-DEC-20 to 28-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 4			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	10/12	17/12	24/12	31/12	07/01	14/01	21/01	28/01	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	12	11	8	2	2	12	5	8	27	36	34	27	35.5	0.8
Hepatitis C (newly acquired)		3	1		1	1			2	3	8	2	9.1	0.2
Hepatitis C (unspecified)	22	13	15	15	7	24	24	16	71	56	59	71	69.0	1.0
Hepatitis D									0	0	0	0	0.3	0.0
Enteric diseases														
Campylobacteriosis	65	76	68	61	90	73	54	10	227	295	262	227	273.5	0.8
Cryptosporidiosis	1	2	2	1	3	2	2	1	8	86	9	8	36.9	0.2
Hepatitis A									0	0	5	0	1.9	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	1.2	0.0
Rotavirus	8	4	1	4	1	2	2		5	23	14	5	25.2	0.2
STEC/VTEC infection			1	3	2	1	3		6	13	10	6	9.1	0.7
Salmonellosis	17	37	37	25	27	29	29	2	87	190	162	87	190.9	0.5
Shigellosis	4	1	2	6	2		1		3	44	54	3	24.4	0.1
Typhoid									0	1	4	0	1.6	0.0
Vibrio parahaemolyticus									0	1	4	0	2.0	0.0
Yersiniosis	2			1		1			1	3	0	1	0.9	1.1
Sexually transmissible infections														
Chlamydia (genital)	203	201	165	84	174	246	227	30	677	893	1010	677	921.5	0.7
Gonorrhoea	51	54	37	21	47	52	50	4	153	362	367	153	288.0	0.5
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	15	12	13	6	15	14	25	5	59	50	49	59	35.8	1.6
Syphilis - Non-Infectious	2	3	1		2	3	5	2	12	18	14	12	12.9	0.9
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.2	0.0
Influenza	3	2	5	4		1			1	436	544	1	272.0	0.0
Measles									0	4	8	0	2.3	0.0
Mumps									0	2	3	0	18.1	0.0
Pertussis			2				1		1	37	67	1	94.7	0.0
Pneumococcal infection	1	2	6	5	3	1	1		5	11	10	5	8.7	0.6
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus		1							0	0	0	0	0.0	0.0
Varicella (chicken pox)	24	12	9	6	5	6	3		14	50	39	14	42.0	0.3
Varicella (shingles)	58	53	44	39	59	52	22		133	189	148	133	160.8	0.8
Varicella (unspecified)	31	30	31	29	28	42	47	21	138	109	104	138	117.5	1.2
Vector-borne diseases														
Barmah Forest virus									0	1	3	0	2.1	0.0
Chikungunya									0	1	0	0	0.9	0.0
Dengue fever									0	20	22	0	22.7	0.0
Malaria							1	1	2	9	0	2	5.2	0.4
Ross River virus	25	19	12	10	14	15	12	3	44	32	46	44	56.3	0.8
Typhus		2		1		2			2	3	0	2	2.3	0.9
Zoonotic diseases														
Leptospirosis			1				1		1	0	1	1	0.5	1.9
Q Fever									0	0	1	0	0.8	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis									0	0	2	0	0.9	0.0
COVID-19	7	9	9	14	6	11	6	4	27	0	0	27	0.5	50.6
Creutzfeldt-Jakob disease			1						0	0	0	0	0.5	0.0
Haemolytic Uraemic Syndrome									0	0	0	0	0.4	0.0
Legionellosis	3		2		1		1	1	3	3	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	1	3	2	2.1	1.0
Tuberculosis	4	1	4	2	3	3	5		11	8	4	11	10.3	1.1
Grand Total	558	550	478	339	492	596	527	108						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 4			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	10/12	17/12	24/12	31/12	07/01	14/01	21/01	28/01	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	8	10	8	1	2	10	2	6	20	31	29	20	29.7	0.7
Hepatitis C (newly acquired)		2	1		1	1			2	2	6	2	7.5	0.3
Hepatitis C (unspecified)	18	8	8	10	3	17	17	14	51	39	38	51	49.8	1.0
Hepatitis D									0	0	0	0	0.3	0.0
Enteric diseases														
Campylobacteriosis	50	50	52	52	76	62	48	8	194	239	212	194	217.9	0.9
Cryptosporidiosis	1	1	1	1	3	2	2		7	80	5	7	30.0	0.2
Hepatitis A									0	0	5	0	1.7	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	7	4		3	1	2	2		5	20	13	5	21.3	0.2
STEC/VTEC infection			1	2	2	1	3		6	10	8	6	6.7	0.9
Salmonellosis	15	32	26	19	19	23	25	2	69	141	139	69	149.7	0.5
Shigellosis	1		2	3	1				1	29	35	1	12.7	0.1
Typhoid									0	1	4	0	1.6	0.0
Vibrio parahaemolyticus									0	1	4	0	1.9	0.0
Yersiniosis	2			1		1			1	3	0	1	0.9	1.2
Sexually transmissible infections														
Chlamydia (genital)	165	162	135	66	141	199	178	27	545	700	771	545	718.1	0.8
Gonorrhoea	25	33	21	11	24	36	25	4	89	253	263	89	194.7	0.5
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	11	5	6	3	9	10	14	4	37	27	28	37	24.7	1.5
Syphilis - Non-Infectious	1	2	1		2	2	4	2	10	16	12	10	10.3	1.0
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	2	2	4	4		1			1	371	406	1	213.1	0.0
Measles									0	4	5	0	1.9	0.0
Mumps									0	2	2	0	1.7	0.0
Pertussis			2				1		1	32	54	1	68.6	0.0
Pneumococcal infection	1	1	3	3	1				1	7	7	1	4.7	0.2
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus		1							0	0	0	0	0.0	0.0
Varicella (chicken pox)	20	11	5	6	3	3	3		9	34	31	9	30.7	0.3
Varicella (shingles)	46	42	32	25	39	34	10		83	141	99	83	115.5	0.7
Varicella (unspecified)	29	27	28	27	27	34	46	21	128	106	101	128	111.1	1.2
Vector-borne diseases														
Barmah Forest virus									0	1	0	0	0.6	0.0
Chikungunya									0	0	0	0	0.5	0.0
Dengue fever									0	17	22	0	19.3	0.0
Malaria								1	1	7	0	1	4.5	0.2
Ross River virus	9	5	4	2	4	5	6	1	16	21	37	16	32.7	0.5
Typhus									0	3	0	0	1.5	0.0
Zoonotic diseases														
Leptospirosis									0	0	1	0	0.5	0.0
Q Fever									0	0	0	0	0.3	0.0
Other diseases														
COVID-19	3	6	3	6	2	6	2	2	12	0	0	12	0.4	30.0
Creutzfeldt-Jakob disease									0	0	0	0	0.3	0.0
Legionellosis	3		2		1				1	2	2	1	2.0	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	4	1	3	2	3	3	5		11	8	4	11	9.1	1.2
Grand Total	421	406	350	247	364	453	393	92						

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 (10)	0.8		4 (9)	0.6	3	10 (11)	1.4
Hepatitis C (newly acquired)					2	0.3			
Hepatitis C (unspecified)	1	10 (12)	1.4	2	13 (17)	2.0	11	28 (12)	3.8
Enteric diseases									
Campylobacteriosis	4	70 (89)	9.5	3	62 (83)	9.3	1	62 (70)	8.5
Cryptosporidiosis					2 (26)	0.3		5 (19)	0.7
Listeriosis									
Rotavirus		1 (12)	0.1		1 (4)	0.2		3 (4)	0.4
STEC/VTEC infection		3 (4)	0.4					3 (3)	0.4
Salmonellosis		20 (53)	2.7	1	20 (46)	3.0	1	29 (45)	4.0
Shigellosis								1 (8)	0.1
Yersiniosis		1 (2)	0.1						
Sexually transmissible infections									
Chlamydia (genital)	12	164 (217)	22.3	9	158 (246)	23.8	6	223 (272)	30.6
Gonorrhoea	3	29 (76)	3.9		20 (88)	3.0	1	40 (94)	5.5
Syphilis - Infectious	2	7 (11)	1.0	2	11 (7)	1.7		19 (9)	2.6
Syphilis - Non-Infectious	1	3 (7)	0.4	1	5 (6)	0.8		2 (5)	0.3
Vaccine preventable diseases									
Influenza								1 (124)	0.1
Pertussis					1 (16)	0.2			
Pneumococcal infection		1 (3)	0.1						
Varicella (chicken pox)		2 (13)	0.3		7 (14)	1.1			
Varicella (shingles)		29 (48)	3.9		34 (52)	5.1		20 (40)	2.7
Varicella (unspecified)	10	51 (40)	6.9	4	44 (38)	6.6	7	33 (28)	4.5
Vector-borne diseases									
Malaria							1	1 (5)	0.1
Ross River virus	1	3 (6)	0.4		9 (10)	1.4		4 (5)	0.5
Typhus									
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19		3	0.4		2	0.3	2	7	1.0
Legionellosis					1	0.2			
Meningococcal infection								1 (1)	0.1
Tuberculosis		3 (4)	0.4		3	0.5		5 (4)	0.7
Grand Total	37	406 (607)		22	399 (662)		33	497 (759)	

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	1.1	1	1	1.6		1 (2)	1.3
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		5 (5)	2.7		1	1.6	1	3 (4)	4.0
Enteric diseases									
Campylobacteriosis	1	16 (20)	8.8		6 (3)	9.8		1 (7)	1.3
Cryptosporidiosis							1	1	1.3
Listeriosis		1	0.5						
Rotavirus									
STEC/VTEC infection									
Salmonellosis		8 (15)	4.4					3 (5)	4.0
Shigellosis									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	1	40 (44)	21.9		9 (12)	14.7		13 (12)	17.4
Gonorrhoea		2 (21)	1.1					3 (2)	4.0
Syphilis - Infectious		3 (1)	1.6		1	1.6		1	1.3
Syphilis - Non-Infectious								1	1.3
Vaccine preventable diseases									
Influenza									
Pertussis									
Pneumococcal infection								1	1.3
Varicella (chicken pox)		2 (2)	1.1						
Varicella (shingles)		21 (22)	11.5		9 (10)	14.7		12 (6)	16.0
Varicella (unspecified)					3	4.9		1 (1)	1.3
Vector-borne diseases									
Malaria									
Ross River virus	1	19 (6)	10.4	1	8 (1)	13.0		1	1.3
Typhus									
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19									
Legionellosis				1	1	1.6			
Meningococcal infection									
Tuberculosis									
Grand Total	4	119 (136)		3	39 (26)		2	42 (39)	

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 (1)		3.3
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		2 (2)	3.3		4 (4)	7.7	1 (2)		1.7
Enteric diseases									
Campylobacteriosis		4 (6)	6.6		2 (4)	3.9	1 (5)		1.7
Cryptosporidiosis									
Listeriosis									
Rotavirus									
STEC/VTEC infection									
Salmonellosis					2 (2)	3.9			
Shigellosis							1 (2)		1.7
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)		14 (11)	23.2	2	12 (30)	23.2	26 (28)		43.5
Gonorrhoea		6 (8)	9.9		10 (11)	19.3	17 (24)		28.5
Syphilis - Infectious		1 (1)	1.7		3	5.8	4 (6)		6.7
Syphilis - Non-Infectious									
Vaccine preventable diseases									
Influenza									
Pertussis									
Pneumococcal infection							1		1.7
Varicella (chicken pox)		2 (2)	3.3		1 (3)	1.9			
Varicella (shingles)		1 (3)	1.7		1 (1)	1.9	3 (5)		5.0
Varicella (unspecified)		1 (1)	1.7		1	1.9			
Vector-borne diseases									
Malaria									
Ross River virus									
Typhus							2		3.3
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19									
Legionellosis									
Meningococcal infection									
Tuberculosis									
Grand Total		31 (34)		2	36 (55)		58 (73)		

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)		1 (1)	2.9	8	27 (35)	0.9
Hepatitis C (newly acquired)				0	2 (4)	0.1
Hepatitis C (unspecified)	1	4 (2)	11.5	16	71 (61)	2.5
Enteric diseases						
Campylobacteriosis	1	3 (6)	8.6	10	227 (298)	8.6
Cryptosporidiosis				1	8 (90)	0.3
Listeriosis				0	1 (0)	0.0
Rotavirus				0	5 (23)	0.2
STEC/VTEC infection				0	6 (12)	0.2
Salmonellosis		5 (12)	14.4	2	87 (195)	3.3
Shigellosis		1 (9)	2.9	0	3 (43)	0.1
Yersiniosis				0	1 (3)	0.0
Sexually transmissible infections						
Chlamydia (genital)		15 (36)	43.1	30	677 (923)	25.5
Gonorrhoea		25 (34)	71.8	4	153 (368)	5.8
Syphilis - Infectious	1	8 (10)	23.0	5	59 (51)	2.2
Syphilis - Non-Infectious		1 (1)	2.9	2	12 (20)	0.3
Vaccine preventable diseases						
Influenza				0	1 (459)	0.0
Pertussis				0	1 (37)	0.0
Pneumococcal infection		2 (1)	5.7	0	5 (11)	0.2
Varicella (chicken pox)				0	14 (48)	0.5
Varicella (shingles)		2 (1)	5.7	0	133 (188)	5.0
Varicella (unspecified)				21	138 (109)	5.2
Vector-borne diseases						
Malaria				1	2 (9)	0.1
Ross River virus				3	44 (31)	1.7
Typhus				0	2 (3)	0.1
Zoonotic diseases						
Leptospirosis		1	2.9	0	1 (0)	0.0
Other diseases						
COVID-19				4	27 (0)	1.1
Legionellosis		1	2.9	1	3 (4)	0.1
Meningococcal infection		1	2.9	0	2 (1)	0.1
Tuberculosis				0	11 (8)	0.1
Grand Total	3	70 (113)		108	1723 (3065)	

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

	Week Ending								Cumulative Total to end of Week 4	
	10/12	17/12	24/12	31/12	07/01	14/01	21/01	28/01	2021	2020
	Salmonella Total	17	37	37	25	27	29	29	2	87
Serotype/Phage										
Salmonella Adelaide			1		2				2	1
Salmonella Amsterdam var 15+, 34+		1							0	0
Salmonella Anatum					1				1	0
Salmonella Anatum var 15+			1						0	2
Salmonella Bovismorbificans					1				1	0
Salmonella Chester						1			1	5
Salmonella Choleraesuis bv Australia	1			1					0	4
Salmonella Choleraesuis bv Decatur						4			4	2
Salmonella Fremantle subsp II				1	1				1	1
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							0	3
Salmonella Newport	1		2						0	4
Salmonella Orion		1		1					0	0
Salmonella Potsdam						2			2	0
Salmonella Reading			1						0	2
Salmonella Richmond					1				1	0
Salmonella Rissen				1					0	2
Salmonella Rubislaw					1				1	0
Salmonella Saintpaul			1	1					0	6
Salmonella Senftenberg				4		1			1	0
Salmonella Stanley			2	1					0	3
Salmonella Tennessee			1			1			1	0
Salmonella Typhimurium	15	33	26	13	16	12	10		38	93
Salmonella Virchow						1	1		2	4
Salmonella Zanzibar						1			1	0
Salmonella species		1	2	1	3	4	17	2	26	12