



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 04-DEC-19 to 28-JAN-20

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	2020	2019	2018			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1	1		1					0	4	1	0	2.1	0.0
Hepatitis B (unspecified)	8	7	13	6	6	13	8	10	37	34	34	37	35.0	1.1
Hepatitis C (newly acquired)	10	1	2	1		3		1	4	8	13	4	9.3	0.4
Hepatitis C (unspecified)	23	13	22	5	11	14	12	20	57	59	81	57	71.1	0.8
Hepatitis D			1						0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	80	70	59	51	88	72	54	27	241	263	284	241	263.5	0.9
Cryptosporidiosis	5	4	7	6	21	6	14	11	52	9	13	52	24.0	2.2
Hepatitis A	1						1		1	5	0	1	1.9	0.5
Hepatitis E		1				1			1	2	0	1	0.3	3.8
Listeriosis									0	3	0	0	0.8	0.0
Paratyphoid fever	1								0	0	1	0	1.3	0.0
Rotavirus	10	14	13	4	6	3	8	1	18	14	30	18	26.3	0.7
STEC/VTEC infection	4	4	4	1	3	1	3	2	9	10	10	9	5.9	1.5
Salmonellosis	42	46	40	34	42	40	32	32	146	163	194	146	180.1	0.8
Shigellosis	9	8	5	5	9	9	14	4	36	53	34	36	20.2	1.8
Typhoid				1					0	4	2	0	1.6	0.0
Vibrio parahaemolyticus						1			1	4	3	1	2.1	0.5
Yersiniosis	2					1	2		3	0	1	3	0.9	3.2
Sexually transmissible infections														
Chlamydia (genital)	200	253	209	107	184	212	216	109	721	1010	930	721	900.5	0.8
Gonorrhoea	88	86	66	51	90	103	75	17	285	367	271	285	251.7	1.1
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	13	12	9		16	9	12	7	44	50	24	44	26.9	1.6
Syphilis - Non-Infectious	2	4	3	3	3	10	3	2	18	14	17	18	10.8	1.7
Vaccine preventable diseases														
H. influenzae type b									0	0	1	0	0.1	0.0
Influenza	58	63	42	67	83	100	97	67	347	544	238	347	227.6	1.5
Measles					1	1			2	8	1	2	2.2	0.9
Mumps		1					1		1	3	3	1	17.9	0.1
Pertussis	12	15	16	7	7	10	4	3	24	67	102	24	111.8	0.2
Pneumococcal infection	7	3	1	3	2	2	2	2	8	10	14	8	8.4	1.0
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	14	22	10	7	12	15	3	4	34	38	37	34	38.0	0.9
Varicella (shingles)	38	43	35	37	54	43	27	5	129	147	185	129	146.8	0.9
Varicella (unspecified)	27	27	23	26	21	32	38	25	116	106	122	116	118.4	1.0
Vector-borne diseases														
Barmah Forest virus	1								0	3	2	0	2.4	0.0
Chikungunya				1					0	0	0	0	0.9	0.0
Dengue fever	7	5	7	2	2	9	6	1	18	22	15	18	34.5	0.5
Malaria		1	1		1	3	1	1	6	0	6	6	5.0	1.2
Ross River virus	5	5	1	2	8	8	8	4	20	46	60	20	76.0	0.3
Typhus	1	2		1	2	1	5		8	0	1	8	1.8	4.4
Zoonotic diseases														
Leptospirosis		1				1			1	1	0	1	0.4	2.5
Q Fever			1						0	1	2	0	0.7	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis									0	2	4	0	0.9	0.0
Creutzfeldt-Jakob disease				2					0	0	0	0	0.4	0.0
Haemolytic Uraemic Syndrome									0	0	0	0	0.3	0.0
Legionellosis			1	1		2	1		3	2	3	3	4.0	0.8
Leprosy			1						0	0	0	0	0.3	0.0
Melioidosis							1		1	0	0	1	0.3	3.0
Meningococcal infection			1	1	1				1	3	4	1	2.1	0.5
Tuberculosis	3	4	7	2	1	1	3	3	8	4	2	8	10.1	0.8
Grand Total	672	716	601	435	674	718	651	358						

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	2020	2019	2018			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1			1					0	3	1	0	1.4	0.0
Hepatitis B (unspecified)	7	7	12	6	5	11	7	8	31	29	25	31	28.6	1.1
Hepatitis C (newly acquired)	9	1	2	1		2		1	3	6	12	3	7.1	0.4
Hepatitis C (unspecified)	14	9	16	5	5	10	10	15	40	38	53	40	52.4	0.8
Hepatitis D			1						0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	61	52	52	42	75	53	42	23	193	212	220	193	206.4	0.9
Cryptosporidiosis	1	4	7	3	18	5	14	11	48	5	6	48	16.2	3.0
Hepatitis A	1						1		1	5	0	1	1.7	0.6
Hepatitis E		1				1			1	2	0	1	0.3	3.8
Listeriosis									0	3	0	0	0.7	0.0
Paratyphoid fever	1		1						0	0	1	0	1.2	0.0
Rotavirus	8	11	11	4	5	3	6		14	13	24	14	22.1	0.6
STEC/VTEC infection	2	4	3	1	3		2	2	7	8	8	7	4.3	1.6
Salmonellosis	35	38	27	27	34	33	23	19	109	139	153	109	139.9	0.8
Shigellosis	7	5	4	2	6	7	10	2	25	34	8	25	9.1	2.7
Typhoid				1					0	4	2	0	1.5	0.0
Vibrio parahaemolyticus						1			1	4	3	1	2.0	0.5
Yersiniosis	2					1	2		3	0	1	3	0.9	3.5
Sexually transmissible infections														
Chlamydia (genital)	164	204	161	85	146	162	173	92	573	771	732	573	696.2	0.8
Gonorrhoea	62	66	45	38	69	67	56	15	207	263	174	207	167.1	1.2
Syphilis - Infectious	10	5	6		12	4	8	6	30	29	21	30	19.5	1.5
Syphilis - Non-Infectious	2	1	2	2	2	9	2	2	15	12	14	15	8.6	1.7
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	51	47	34	57	65	86	82	60	293	406	195	293	175.5	1.7
Measles					1	1			2	5	1	2	1.8	1.1
Mumps		1					1		1	2	3	1	1.7	0.6
Pertussis	5	14	13	5	7	8	4	2	21	54	70	21	82.2	0.3
Pneumococcal infection	5	2		1	2	1	1	2	6	7	7	6	4.5	1.3
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	12	17	8	6	8	11	2	3	24	30	27	24	28.0	0.9
Varicella (shingles)	27	27	29	26	42	31	20	3	96	99	141	96	106.3	0.9
Varicella (unspecified)	26	22	22	23	20	27	33	23	103	102	117	103	110.9	0.9
Vector-borne diseases														
Barmah Forest virus									0	0	0	0	0.6	0.0
Chikungunya				1					0	0	0	0	0.7	0.0
Dengue fever	7	5	5	2	2	7	6	1	16	22	14	16	28.7	0.6
Malaria		1	1		1	3	1	1	6	0	6	6	4.4	1.4
Ross River virus	3	1		2	5		5	3	13	37	41	13	47.5	0.3
Typhus	1	2		1	2	1	5		8	0	1	8	1.1	7.5
Zoonotic diseases														
Leptospirosis		1				1			1	1	0	1	0.4	2.5
Q Fever									0	0	0	0	0.2	0.0
Other diseases														
Creutzfeldt-Jakob disease				2					0	0	0	0	0.2	0.0
Legionellosis			1			1	1		2	2	3	2	2.9	0.7
Leprosy			1						0	0	0	0	0.1	0.0
Melioidosis									0	0	0	0	0.1	0.0
Meningococcal infection			1		1				1	1	3	1	1.2	0.8
Tuberculosis	3	3	7	2	1	1	3	3	8	4	1	8	8.6	0.9
Grand Total	527	551	472	346	537	548	520	297						

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)	1	10 (9)		3	8 (8)		4	13 (12)	
Hepatitis C (newly acquired)				1	1 (1)			2 (4)	
Hepatitis C (unspecified)	3	12 (9)		7	15 (14)		5	13 (15)	
Enteric diseases									
Campylobacteriosis	7	73 (73)		4	58 (71)		12	62 (68)	
Cryptosporidiosis	8	21 (3)		2	11 (2)		1	16	
Hepatitis A								1 (3)	
Hepatitis E		1							
Rotavirus		9 (5)			3 (2)			2 (6)	
STEC/VTEC infection	1	1 (4)		1	3 (1)			3 (3)	
Salmonellosis	3	40 (58)		8	36 (31)		8	33 (50)	
Shigellosis		9 (5)		2	11 (11)			5 (18)	
Vibrio parahaemolyticus					1				
Yersiniosis		2			1				
Sexually transmissible infections									
Chlamydia (genital)	30	172 (226)		29	186 (262)		33	215 (283)	
Gonorrhoea	4	60 (70)		6	64 (81)		5	83 (112)	
Syphilis - Infectious	2	11 (8)		1	7 (9)		3	12 (12)	
Syphilis - Non-Infectious		5 (6)		2	6 (3)			4 (3)	
Vaccine preventable diseases									
Influenza	35	127 (141)		11	73 (140)		14	93 (125)	
Measles		1 (1)			1 (4)				
Mumps		1 (1)							
Pertussis		9 (17)		2	10 (24)			2 (13)	
Pneumococcal infection	1	2 (4)		1	3 (1)			1 (2)	
Varicella (chicken pox)	2	10 (7)			11 (13)		1	3 (10)	
Varicella (shingles)	2	35 (36)		1	37 (36)			24 (27)	
Varicella (unspecified)	8	33 (36)		8	40 (45)		7	30 (21)	
Vector-borne diseases									
Dengue fever		7 (10)			2 (7)		1	7 (5)	
Malaria		1			1		1	4	
Ross River virus	1	4 (8)			6 (20)		2	3 (9)	
Typhus		1			1			6	
Zoonotic diseases									
Leptospirosis								1	
Other diseases									
Legionellosis		1						1 (1)	
Melioidosis									
Meningococcal infection								1	
Tuberculosis	1	4 (3)					2	4 (1)	
Grand Total	109	662 (740)		89	596 (786)		99	644 (803)	

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	
Hepatitis C (newly acquired)					1 (1)				
Hepatitis C (unspecified)	3	4 (8)						3 (3)	
Enteric diseases									
Campylobacteriosis		17 (23)			2 (6)		1	6 (4)	
Cryptosporidiosis					1 (1)				
Hepatitis A									
Hepatitis E									
Rotavirus	1	3							
STEC/VTEC infection								1	
Salmonellosis	4	11 (7)			2 (2)			3 (6)	
Shigellosis				1	1 (1)				
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	4	35 (61)		1	9 (10)		6	14 (14)	
Gonorrhoea		18 (17)			1 (1)			3 (1)	
Syphilis - Infectious									
Syphilis - Non-Infectious		1 (1)							
Vaccine preventable diseases									
Influenza	3	16 (15)		1	6 (24)			3 (7)	
Measles									
Mumps									
Pertussis	1	2 (4)						1 (1)	
Pneumococcal infection		1 (1)							
Varicella (chicken pox)		1 (4)						2	
Varicella (shingles)	2	17 (17)			8 (7)			3 (3)	
Varicella (unspecified)	1	3 (1)					1	3	
Vector-borne diseases									
Dengue fever		1							
Malaria									
Ross River virus	1	5 (4)			1 (3)				
Typhus									
Zoonotic diseases									
Leptospirosis									
Other diseases									
Legionellosis		1							
Melioidosis									
Meningococcal infection									
Tuberculosis									
Grand Total	20	136 (163)		3	32 (56)		9	44 (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)				1	1 (1)			2	
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		2 (2)		1	4 (3)		1	2 (1)	
Enteric diseases									
Campylobacteriosis		6 (1)		1	4 (2)			4 (6)	
Cryptosporidiosis								3	
Hepatitis A									
Hepatitis E								1 (1)	
Rotavirus									
STEC/VTEC infection		1 (1)							
Salmonellosis	1	5 (3)			1 (2)		2	5 (1)	
Shigellosis		2		1	1 (4)			1 (2)	
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)		8 (21)		3	17 (33)		2	23 (28)	
Gonorrhoea		5 (9)			6 (14)		1	16 (21)	
Syphilis - Infectious	1	1 (1)						5 (7)	
Syphilis - Non-Infectious								1	
Vaccine preventable diseases									
Influenza		6 (21)		1	4 (8)			3 (10)	
Measles									
Mumps									
Pertussis									
Pneumococcal infection		1 (1)							
Varicella (chicken pox)		2			2 (1)				
Varicella (shingles)		2 (1)			1 (6)			1 (3)	
Varicella (unspecified)		1						4	
Vector-borne diseases									
Dengue fever									
Malaria									
Ross River virus		1							
Typhus									
Zoonotic diseases									
Leptospirosis									
Other diseases									
Legionellosis									
Melioidosis									
Meningococcal infection									
Tuberculosis									
Grand Total	2	43 (61)		8	41 (74)		6	71 (80)	

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		10	37 (34)	0.0
Hepatitis C (newly acquired)				1	4 (8)	0.0
Hepatitis C (unspecified)		1		20	57 (59)	0.0
Enteric diseases						
Campylobacteriosis		5 (3)		27	241 (263)	0.0
Cryptosporidiosis				11	52 (9)	0.0
Hepatitis A				0	1 (5)	0.0
Hepatitis E				0	1 (2)	0.0
Rotavirus				1	18 (14)	0.0
STEC/VTEC infection				2	9 (10)	0.0
Salmonellosis	6	8 (2)		32	146 (163)	0.0
Shigellosis		6 (10)		4	36 (53)	0.0
Vibrio parahaemolyticus				0	1 (4)	0.0
Yersiniosis				0	3 (0)	0.0
Sexually transmissible infections						
Chlamydia (genital)		29 (60)		109	721*****	0.0
Gonorrhoea		24 (32)		17	285 (367)	0.0
Syphilis - Infectious		5 (8)		7	44 (50)	0.0
Syphilis - Non-Infectious		1		2	18 (14)	0.0
Vaccine preventable diseases						
Influenza		3 (41)		67	347 (544)	0.0
Measles				0	2 (8)	0.0
Mumps				0	1 (3)	0.0
Pertussis				3	24 (67)	0.0
Pneumococcal infection				2	8 (10)	0.0
Varicella (chicken pox)				4	34 (38)	0.0
Varicella (shingles)				5	129 (147)	0.0
Varicella (unspecified)		1		25	116 (106)	0.0
Vector-borne diseases						
Dengue fever				1	18 (22)	0.0
Malaria				1	6 (0)	0.0
Ross River virus				4	20 (46)	0.0
Typhus				0	8 (0)	0.0
Zoonotic diseases						
Leptospirosis				0	1 (1)	0.0
Other diseases						
Legionellosis				0	3 (2)	0.0
Melioidosis		1		0	1 (0)	0.0
Meningococcal infection				0	1 (3)	0.0
Tuberculosis				3	8 (4)	0.0
Grand Total	6	85 (156)		358	2401 (3083)	

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

Salmonella	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	2020	2019
	Salmonella Total	42	46	40	34	42	40	32	32	146
Serotype/Phage										
Salmonella Adelaide						1			1	0
Salmonella Agona			1						0	1
Salmonella Anatum	1		3						0	1
Salmonella Anatum var 15+			1						0	0
Salmonella Bareilly						1			1	0
Salmonella Bovismorbificans	1								0	1
Salmonella Chailey						1			1	0
Salmonella Chester				1	1				1	3
Salmonella Choleraesuis bv Australia		1			4				4	0
Salmonella Choleraesuis bv Decatur	1	1		1	1	2			3	1
Salmonella Corvallis								1	1	2
Salmonella Eastbourne		1							0	0
Salmonella Enteritidis	3	5	1		2	4	2	1	9	19
Salmonella Infantis					1				1	2
Salmonella Javiana		1							0	1
Salmonella Kentucky				1				1	1	3
Salmonella Mbandaka					1				1	0
Salmonella Muenchen		6	3			1	1		2	1
Salmonella Muenster		1							0	0
Salmonella Newport	3	1	2	1			2		2	1
Salmonella Orientalis		1							0	0
Salmonella Paratyphi B bv Java	1	1	4	1	4				4	9
Salmonella Pomona				1					0	0
Salmonella Poona								1	1	1
Salmonella Potsdam					1				1	0
Salmonella Reading		1	1	1		1			1	0
Salmonella Richmond				1					0	0
Salmonella Rissen					1				1	0
Salmonella Saintpaul	2			2		4			4	4
Salmonella Schwarzengrund				2					0	2
Salmonella Senftenberg	1	1							0	0
Salmonella Singapore			1			1			1	1
Salmonella Stanley	1		3	2	1		1		2	2
Salmonella Typhimurium	25	18	16	16	16	14	8	3	41	83
Salmonella Virchow					1	2			3	4
Salmonella Wandsbek subsp II						1			1	0
Salmonella Waycross						1			1	0
Salmonella Weltevreden					2				2	0
Salmonella species	3	7	4	4	6	6	18	25	55	9