



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 20-NOV-19 to 14-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 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	2020	2019	2018			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1		1	1		1			0	3	1	1	2.1	0.5
Hepatitis B (unspecified)	8	7	8	7	13	6	6	13	19	10	9	38	36.0	1.1
Hepatitis C (newly acquired)	6	1	11	1	2	1		1	1	4	4	4	9.7	0.4
Hepatitis C (unspecified)	18	16	22	13	22	5	11	16	27	21	33	54	73.0	0.7
Hepatitis D				1					0	0	0	1	0.3	3.0
Enteric diseases														
Campylobacteriosis	100	79	77	70	58	51	74	54	128	161	146	237	272.3	0.9
Cryptosporidiosis	5	3	5	4	5	3	18	6	24	3	8	32	22.3	1.4
Hepatitis A			1				1		1	1	0	1	1.8	0.6
Hepatitis E									0	2	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.7	0.0
Paratyphoid fever									0	0	1	0	1.1	0.0
Rotavirus	6	11	10	14	12	3	6	4	10	6	18	25	27.8	0.9
STEC/VTEC infection	5	2	4	4	3	1	3	1	4	6	7	8	6.3	1.3
Salmonellosis	47	58	41	45	35	32	38	31	69	81	77	136	175.5	0.8
Shigellosis	9	9	9	8	4	5	7	4	11	33	22	20	18.7	1.1
Typhoid						1			0	0	1	1	1.7	0.6
Vibrio parahaemolyticus									0	2	2	0	2.3	0.0
Yersiniosis	1		2						0	0	0	0	1.0	0.0
Sexually transmissible infections														
Chlamydia (genital)	215	206	200	250	209	105	165	129	294	508	490	608	880.1	0.7
Gonorrhoea	90	74	88	85	66	51	82	38	120	192	130	237	244.0	1.0
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	5	10	13	13	8	1	17	9	26	23	14	35	25.4	1.4
Syphilis - Non-Infectious	4	10	2	4	3	3		7	7	8	10	13	10.9	1.2
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	38	55	58	63	42	66	75	57	132	253	105	240	214.7	1.1
Measles							1	2	3	4	1	3	2.3	1.3
Mumps	1	1		1					0	1	1	0	16.1	0.0
Pertussis	8	8	10	15	16	5	6	5	11	37	67	32	120.9	0.3
Pneumococcal infection	7	1	7	3	1	3	1	1	2	7	11	6	9.1	0.7
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	11	17	13	22	10	7	7	3	10	24	18	27	38.6	0.7
Varicella (shingles)	41	57	37	40	34	30	36	14	50	86	91	114	143.6	0.8
Varicella (unspecified)	33	23	28	30	23	29	29	40	69	50	60	121	114.8	1.1
Vector-borne diseases														
Barmah Forest virus	1		1						0	1	0	0	2.5	0.0
Chikungunya						1			0	0	0	1	1.1	0.9
Dengue fever	10	8	7	4	7	2	3	3	6	13	6	15	29.9	0.5
Malaria	1	2		1	1		1	1	2	0	1	3	4.9	0.6
Ross River virus	2	2	5	5	2	2	6	1	7	26	30	11	75.1	0.1
Typhus	1	1	1	2		1	4		4	0	1	5	1.9	2.6
Zoonotic diseases														
Leptospirosis				1					0	1	0	0	0.3	0.0
Q Fever					1	1			0	1	1	2	0.7	3.0
Other diseases														
Acute post-streptococcal glomerulonephritis									0	1	0	0	0.9	0.0
Creutzfeldt-Jakob disease						2			0	0	0	2	0.3	7.5
Haemolytic Uraemic Syndrome									0	0	0	0	0.2	0.0
Legionellosis	4	1	1		1	1			0	1	2	2	4.1	0.5
Leprosy					1				0	0	0	1	0.3	3.0
Melioidosis									0	0	0	0	0.3	0.0
Meningococcal infection	1				1	1	1		1	0	3	3	2.1	1.4
Tuberculosis	5	6	3	4	7	2	1	1	2	1	1	11	9.9	1.1
Grand Total	684	668	665	710	588	422	599	441						

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	2020	2019	2018			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1		1			1			0	2	1	1	1.5	0.7
Hepatitis B (unspecified)	8	4	7	7	12	6	5	11	16	8	8	34	30.0	1.1
Hepatitis C (newly acquired)	3	1	10	1	2	1		1	1	4	3	4	7.4	0.5
Hepatitis C (unspecified)	15	12	13	9	16	5	5	10	15	13	21	36	54.3	0.7
Hepatitis D					1				0	0	0	1	0.3	3.0
Enteric diseases														
Campylobacteriosis	83	62	58	52	51	42	64	44	108	125	108	201	211.5	1.0
Cryptosporidiosis	3	3	1	4	5	1	14	5	19	1	3	25	15.2	1.6
Hepatitis A			1						0	1	0	0	1.5	0.0
Hepatitis E									0	2	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.6	0.0
Paratyphoid fever									0	0	1	0	0.9	0.0
Rotavirus	6	10	8	11	10	3	5	4	9	6	15	22	23.7	0.9
STEC/VTEC infection	5	1	2	4	2	1	3	1	4	4	5	7	4.8	1.5
Salmonellosis	37	44	34	37	24	24	31	26	57	68	58	105	136.5	0.8
Shigellosis	5	6	7	5	3	2	4	4	8	19	4	13	8.1	1.6
Typhoid						1			0	0	1	1	1.5	0.7
Vibrio parahaemolyticus									0	2	2	0	2.1	0.0
Yersiniosis	1		2						0	0	0	0	0.9	0.0
Sexually transmissible infections														
Chlamydia (genital)	177	160	164	201	161	83	133	106	239	378	396	483	680.8	0.7
Gonorrhoea	68	48	62	65	45	38	64	32	96	136	80	179	164.1	1.1
Syphilis - Infectious	4	6	10	6	5		13	6	19	12	13	24	18.7	1.3
Syphilis - Non-Infectious	2	7	2	1	2	2		7	7	8	7	11	8.6	1.3
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	31	50	51	47	34	56	59	49	108	184	84	198	162.1	1.2
Measles							1	2	3	2	1	3	1.9	1.6
Mumps	1	1		1					0	0	1	0	1.9	0.0
Pertussis	7	8	4	14	13	4	6	4	10	29	47	27	85.9	0.3
Pneumococcal infection	4		5	2		1	1		1	5	6	2	5.1	0.4
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	8	15	11	17	8	6	4	1	5	19	13	19	28.8	0.7
Varicella (shingles)	31	35	27	26	29	20	28	8	36	60	70	85	105.6	0.8
Varicella (unspecified)	31	21	26	23	22	26	27	36	63	48	57	111	107.3	1.0
Vector-borne diseases														
Barmah Forest virus	1								0	0	0	0	0.7	0.0
Chikungunya						1			0	0	0	1	0.9	1.1
Dengue fever	9	7	7	4	5	2	3	3	6	13	6	13	24.6	0.5
Malaria	1	2		1	1		1	1	2	0	1	3	4.2	0.7
Ross River virus	1	2	3	1	1	2	4	1	5	20	22	8	46.7	0.2
Typhus	1	1	1	2		1	3		3	0	1	4	1.3	3.2
Zoonotic diseases														
Leptospirosis				1					0	1	0	0	0.3	0.0
Q Fever						1			0	0	0	1	0.1	7.5
Other diseases														
Creutzfeldt-Jakob disease						2			0	0	0	2	0.1	15.0
Legionellosis	4	1			1				0	1	2	1	2.9	0.3
Leprosy					1				0	0	0	1	0.1	7.5
Melioidosis									0	0	0	0	0.1	0.0
Meningococcal infection	1				1		1		1	0	2	2	1.3	1.6
Tuberculosis	5	6	3	3	7	2	1	1	2	1	0	11	8.6	1.3
Grand Total	554	513	520	545	462	334	480	363						

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 (newly acquired)								1 (2)	
Hepatitis B (unspecified)	4	11 (10)		2	10 (6)		5	13 (7)	
Hepatitis C (newly acquired)							1	4 (4)	
Hepatitis C (unspecified)	4	8 (6)		4	17 (15)		2	11 (11)	
Hepatitis D		1							
Enteric diseases									
Campylobacteriosis	13	66 (83)		14	73 (78)		17	62 (69)	
Cryptosporidiosis	2	9 (3)		2	5 (2)		1	11 (4)	
Hepatitis A									
Rotavirus	3	9 (2)		1	8 (5)			5 (3)	
STEC/VTEC infection	1	3 (4)			2			2 (4)	
Salmonellosis	5	31 (55)		14	46 (20)		7	28 (34)	
Shigellosis	1	3 (3)		3	4 (7)			6 (17)	
Typhoid					1				
Sexually transmissible infections									
Chlamydia (genital)	32	158 (180)		34	149 (200)		40	176 (227)	
Gonorrhoea	7	52 (64)		6	46 (64)		19	81 (87)	
Syphilis - Infectious	3	11 (7)		1	5 (7)		2	8 (9)	
Syphilis - Non-Infectious	2	3 (4)		3	4 (2)		2	4 (3)	
Vaccine preventable diseases									
Influenza	14	83 (98)		15	51 (96)		20	64 (73)	
Measles	1	1 (1)		1	2 (1)				
Pertussis	2	14 (11)		2	11 (21)			2 (13)	
Pneumococcal infection								1 (3)	
Varicella (chicken pox)		4 (15)		1	12 (14)			3 (8)	
Varicella (shingles)	1	28 (43)		4	36 (47)		3	21 (28)	
Varicella (unspecified)	9	35 (36)		14	47 (43)		13	29 (20)	
Vector-borne diseases									
Chikungunya								1	
Dengue fever	2	4 (7)			3 (8)		1	6 (3)	
Malaria							1	3 (1)	
Ross River virus	1	3 (7)			3 (15)			2 (5)	
Typhus		1			1			2	
Zoonotic diseases									
Q Fever					1				
Other diseases									
Creutzfeldt-Jakob disease		1			1				
Legionellosis		1 (1)							
Leprosy					1				
Meningococcal infection								2	
Tuberculosis	1	4 (5)			3			4 (4)	
Grand Total	108	544 (645)		121	543 (652)		134	552 (639)	

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 (newly acquired)							1	1	
Hepatitis B (unspecified)									
Hepatitis C (newly acquired)				1	2			5 (2)	
Hepatitis C (unspecified)		2 (5)							
Hepatitis D									
Enteric diseases									
Campylobacteriosis	5	21 (34)			2 (10)		1	4 (6)	
Cryptosporidiosis		2 (2)		1	1				
Hepatitis A		1							
Rotavirus		2							
STEC/VTEC infection								1	
Salmonellosis		9 (6)			2 (2)		1	1 (3)	
Shigellosis									
Typhoid									
Sexually transmissible infections									
Chlamydia (genital)	11	38 (41)		2	7 (7)		1	11 (13)	
Gonorrhoea	4	16 (11)			1 (1)			2 (1)	
Syphilis - Infectious							1	1	
Syphilis - Non-Infectious									
Vaccine preventable diseases									
Influenza	1	9 (21)		1	3 (20)			3 (6)	
Measles									
Pertussis	1	3 (6)						1 (1)	
Pneumococcal infection	1	1							
Varicella (chicken pox)		2 (4)			1 (1)				
Varicella (shingles)	4	16 (18)		2	2 (7)			2 (2)	
Varicella (unspecified)	1	1 (1)			2		1	1	
Vector-borne diseases									
Chikungunya									
Dengue fever		1 (2)							
Malaria									
Ross River virus		2 (3)			1 (1)				
Typhus									
Zoonotic diseases									
Q Fever									
Other diseases									
Creutzfeldt-Jakob disease									
Legionellosis		1							
Leprosy									
Meningococcal infection									
Tuberculosis									
Grand Total	28	127 (154)		7	24 (49)		6	33 (34)	

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 (newly acquired)									
Hepatitis B (unspecified)		1					1	2	
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		2 (1)		2	2 (1)		1	2 (1)	
Hepatitis D									
Enteric diseases									
Campylobacteriosis	2	3 (3)			1 (2)		2	3 (4)	
Cryptosporidiosis								4 (1)	
Hepatitis A									
Rotavirus									
STEC/VTEC infection									
Salmonellosis		4 (2)			2 (2)		1	3 (2)	
Shigellosis		1			1 (3)				
Typhoid									
Sexually transmissible infections									
Chlamydia (genital)	1	16 (23)		1	15 (25)		3	15 (25)	
Gonorrhoea		4 (1)			7 (16)			12 (20)	
Syphilis - Infectious				1	2 (1)			3 (6)	
Syphilis - Non-Infectious									
Vaccine preventable diseases									
Influenza	1	3 (6)			6 (7)		1	2 (7)	
Measles									
Pertussis									
Pneumococcal infection								1	
Varicella (chicken pox)		2 (1)		2	2 (2)				
Varicella (shingles)					4 (3)			3 (5)	
Varicella (unspecified)							1	3	
Vector-borne diseases									
Chikungunya									
Dengue fever									
Malaria									
Ross River virus									
Typhus									
Zoonotic diseases									
Q Fever									
Other diseases									
Creutzfeldt-Jakob disease									
Legionellosis									
Leprosy									
Meningococcal infection		1							
Tuberculosis									
Grand Total	4	37 (37)		6	42 (62)		10	53 (71)	

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 (newly acquired)				0	1 (5)	0.0
Hepatitis B (unspecified)				13	38 (29)	0.0
Hepatitis C (newly acquired)				1	4 (10)	0.0
Hepatitis C (unspecified)		1 (1)		16	54 (45)	0.0
Hepatitis D				0	1 (0)	0.0
Enteric diseases						
Campylobacteriosis		1 (7)		54	237 (303)	0.0
Cryptosporidiosis				6	32 (13)	0.0
Hepatitis A				0	1 (2)	0.0
Rotavirus				4	25 (11)	0.0
STEC/VTEC infection				1	8 (10)	0.0
Salmonellosis	1	6 (4)		31	136 (132)	0.0
Shigellosis		5 (10)		4	20 (48)	0.0
Typhoid				0	1 (0)	0.0
Sexually transmissible infections						
Chlamydia (genital)	2	11 (41)		129	608 (792)	0.0
Gonorrhoea		8 (26)		38	237 (296)	0.0
Syphilis - Infectious		4 (4)		9	35 (39)	0.0
Syphilis - Non-Infectious				7	13 (11)	0.0
Vaccine preventable diseases						
Influenza	3	4 (61)		57	240 (402)	0.0
Measles				2	3 (6)	0.0
Pertussis				5	32 (58)	0.0
Pneumococcal infection		1 (1)		1	6 (10)	0.0
Varicella (chicken pox)				3	27 (46)	0.0
Varicella (shingles)				14	114 (160)	0.0
Varicella (unspecified)		1		40	121 (105)	0.0
Vector-borne diseases						
Chikungunya				0	1 (0)	0.0
Dengue fever				3	15 (20)	0.0
Malaria				1	3 (2)	0.0
Ross River virus				1	11 (34)	0.0
Typhus		1		0	5 (1)	0.0
Zoonotic diseases						
Q Fever				0	2 (1)	0.0
Other diseases						
Creutzfeldt-Jakob disease				0	2 (0)	0.0
Legionellosis				0	2 (2)	0.0
Leprosy				0	1 (0)	0.0
Meningococcal infection				0	3 (3)	0.0
Tuberculosis				1	11 (10)	0.0
Grand Total	6	43 (155)		441	2050 (2617)	

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	2020	2019
	Salmonella Total	47	58	41	45	35	32	38	31	69
Serotype/Phage										
Salmonella Agona		1			1				0	1
Salmonella Anatum			1		3				0	1
Salmonella Anatum var 15+		1			1				0	0
Salmonella Bareilly	1								0	0
Salmonella Bovismorbificans			1						0	1
Salmonella Cerro	1								0	0
Salmonella Chester						1	1		1	2
Salmonella Choleraesuis bv Australia				1			2		2	0
Salmonella Choleraesuis bv Decatur		1	1	1		1			0	0
Salmonella Eastbourne				1					0	0
Salmonella Enteritidis	4	2	3	5	1		1		1	8
Salmonella Hadar	1								0	0
Salmonella Infantis	1	1					1		1	0
Salmonella Javiana				1					0	0
Salmonella Johannesburg		1							0	0
Salmonella Kentucky						1			0	0
Salmonella Kiambu	1								0	0
Salmonella Mbandaka		1							0	0
Salmonella Muenchen	1	1		5	2				0	0
Salmonella Muenster				1					0	0
Salmonella Newport		1	2	1	2	1			0	1
Salmonella Ohio		1							0	0
Salmonella Orientalis	1			1					0	0
Salmonella Paratyphi B bv Java	2	1	1	1	2	2	1		1	5
Salmonella Pomona						1			0	0
Salmonella Potsdam							1		1	0
Salmonella Reading	2	1		1	1	1			0	0
Salmonella Richmond						1			0	0
Salmonella Rissen		1					1		1	0
Salmonella Saintpaul	2	2	2			2			0	2
Salmonella Schwarzengrund	1					2			0	2
Salmonella Senftenberg		1	1	1					0	0
Salmonella Singapore		1			1				0	1
Salmonella Stanley			1		2		1		1	2
Salmonella Typhimurium	23	32	25	17	15	14	10	4	14	43
Salmonella Virchow	1	1							0	0
Salmonella Weltevreden		2					1		1	0
Salmonella species	5	5	3	8	4	5	18	27	45	3