



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 13-NOV-19 to 07-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 1			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	19/11	26/11	03/12	10/12	17/12	24/12	31/12	07/01	2020	2019	2018			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1	1		1	1		1		0	1	0	2	2.0	1.0
Hepatitis B (unspecified)	4	8	9	8	7	14	6	6	6	3	4	33	36.2	0.9
Hepatitis C (newly acquired)	2	6	1	10	1	2			0	3	2	3	10.1	0.3
Hepatitis C (unspecified)	14	18	16	23	13	22	6	11	11	6	9	52	71.9	0.7
Hepatitis D						1			0	0	0	1	0.2	5.0
Enteric diseases														
Campylobacteriosis	88	98	79	77	68	57	49	44	44	84	76	218	278.0	0.8
Cryptosporidiosis	7	5	3	5	3	5	2	9	9	1	5	19	21.5	0.9
Hepatitis A				1					0	0	0	0	1.8	0.0
Hepatitis E									0	1	0	0	0.3	0.0
Listeriosis									0	0	0	0	0.6	0.0
Paratyphoid fever									0	0	1	0	0.9	0.0
Rotavirus	12	6	11	10	14	12	3	5	5	2	9	34	28.2	1.2
STEC/VTEC infection	6	5	2	4	4	2	2		0	4	6	8	5.7	1.4
Salmonellosis	47	47	58	40	41	35	29	25	25	43	45	130	168.1	0.8
Shigellosis	8	9	9	9	8	4	4	4	4	11	11	20	17.9	1.1
Typhoid							1		0	0	1	1	1.7	0.6
Vibrio parahaemolyticus									0	1	1	0	2.3	0.0
Yersiniosis		1		2					0	0	0	0	1.0	0.0
Sexually transmissible infections														
Chlamydia (genital)	257	215	205	199	249	206	100	105	105	223	216	660	867.5	0.8
Gonorrhoea	80	90	75	87	84	68	44	35	35	94	68	231	240.4	1.0
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	12	5	10	14	13	7	1	14	14	10	4	35	24.0	1.5
Syphilis - Non-Infectious	5	4	10	2	4	2	3		0	2	1	9	10.0	0.9
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	43	38	54	59	63	41	60	48	48	113	52	212	210.9	1.0
Measles									0	0	1	0	2.3	0.0
Mumps	1	1	1		1				0	1	1	1	16.3	0.1
Pertussis	3	7	7	10	14	14	5	4	4	20	36	37	124.4	0.3
Pneumococcal infection	5	7	1	7	3	1	2		0	2	6	6	10.0	0.6
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	8	11	17	13	22	10	6	2	2	9	12	40	39.0	1.0
Varicella (shingles)	45	41	57	37	39	32	21	7	7	39	42	99	141.5	0.7
Varicella (unspecified)	34	33	23	27	31	24	34	44	44	22	26	133	116.8	1.1
Vector-borne diseases														
Barmah Forest virus		1		1					0	0	0	0	2.3	0.0
Chikungunya							1		0	0	0	1	1.1	0.9
Dengue fever	5	10	8	7	4	7	2	1	1	4	1	14	28.1	0.5
Malaria	2	1	2		1	1		1	1	0	1	3	4.5	0.7
Ross River virus	5	2	2	5	5	2	2	5	5	11	18	14	73.0	0.2
Typhus	1	1	1	1	2		1		0	0	1	3	1.8	1.7
Zoonotic diseases														
Leptospirosis					1				0	0	0	1	0.3	3.8
Q Fever						1	1		0	0	1	2	0.7	3.0
Other diseases														
Acute post-streptococcal glomerulonephritis	1								0	0	0	0	0.7	0.0
Creutzfeldt-Jakob disease							2		0	0	0	2	0.3	6.0
Haemolytic Uraemic Syndrome									0	0	0	0	0.2	0.0
Legionellosis		4	1	1		1	1		0	1	0	2	4.2	0.5
Leprosy						1			0	0	0	1	0.3	3.0
Melioidosis									0	0	0	0	0.3	0.0
Meningococcal infection	2	1				1	1	1	1	0	2	3	2.3	1.3
Tuberculosis	3	5	6	3	4	7	2	1	1	0	0	14	10.3	1.4
Grand Total	701	681	668	663	700	580	392	372						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 1			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	19/11	26/11	03/12	10/12	17/12	24/12	31/12	07/01	2020	2019	2018			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1	1		1			1		0	0	0	1	1.5	0.7
Hepatitis B (unspecified)	4	8	6	7	7	13	6	5	5	2	4	31	29.5	1.1
Hepatitis C (newly acquired)	1	3	1	9	1	2			0	3	2	3	8.0	0.4
Hepatitis C (unspecified)	7	15	12	14	9	16	6	5	5	3	5	36	53.6	0.7
Hepatitis D						1			0	0	0	1	0.2	5.0
Enteric diseases														
Campylobacteriosis	67	82	62	58	50	50	41	39	39	71	55	180	216.9	0.8
Cryptosporidiosis	1	3	3	1	3	5		8	8	0	1	16	14.0	1.1
Hepatitis A				1					0	0	0	0	1.5	0.0
Hepatitis E									0	1	0	0	0.3	0.0
Listeriosis									0	0	0	0	0.5	0.0
Paratyphoid fever									0	0	1	0	0.8	0.0
Rotavirus	10	6	10	8	11	10	3	5	5	2	8	29	23.5	1.2
STEC/VTEC infection	4	5	1	2	4	1	2		0	3	4	7	4.5	1.6
Salmonellosis	37	37	44	33	34	25	21	21	21	35	35	101	130.5	0.8
Shigellosis	6	5	6	7	5	3	1	4	4	7	1	13	7.7	1.7
Typhoid							1		0	0	1	1	1.5	0.7
Vibrio parahaemolyticus									0	1	1	0	2.2	0.0
Yersiniosis		1		2					0	0	0	0	0.9	0.0
Sexually transmissible infections														
Chlamydia (genital)	202	177	160	163	200	157	82	87	87	165	169	526	671.8	0.8
Gonorrhoea	63	68	48	61	64	47	35	31	31	69	37	177	160.0	1.1
Syphilis - Infectious	7	4	6	11	6	4		14	14	4	3	24	17.6	1.4
Syphilis - Non-Infectious	2	2	7	2	1	1	2		0	2	1	4	8.0	0.5
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	37	31	49	52	47	33	50	38	38	78	46	168	158.1	1.1
Measles									0	0	1	0	1.9	0.0
Mumps	1	1	1		1				0	0	1	1	2.3	0.4
Pertussis	2	6	7	4	13	13	4	4	4	15	26	34	86.7	0.4
Pneumococcal infection	3	4		5	2		1		0	2	2	3	5.5	0.5
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	7	8	15	11	17	8	5		0	8	9	30	29.5	1.0
Varicella (shingles)	36	31	35	27	25	27	14	6	6	24	32	72	104.5	0.7
Varicella (unspecified)	33	31	21	26	23	24	28	42	42	21	25	117	109.1	1.1
Vector-borne diseases														
Barmah Forest virus		1							0	0	0	0	0.7	0.0
Chikungunya							1		0	0	0	1	0.9	1.2
Dengue fever	4	9	7	7	4	5	2	1	1	4	1	12	23.3	0.5
Malaria	2	1	2		1	1		1	1	0	1	3	3.7	0.8
Ross River virus	4	1	2	3	1	1	2	3	3	8	14	7	44.6	0.2
Typhus		1	1	1	2		1		0	0	1	3	1.3	2.4
Zoonotic diseases														
Leptospirosis					1				0	0	0	1	0.3	3.8
Q Fever							1		0	0	0	1	0.1	7.5
Other diseases														
Creutzfeldt-Jakob disease							2		0	0	0	2	0.2	10.0
Legionellosis		4	1			1			0	1	0	1	2.7	0.4
Leprosy						1			0	0	0	1	0.1	7.5
Melioidosis									0	0	0	0	0.2	0.0
Meningococcal infection	1	1				1		1	1	0	1	2	1.3	1.5
Tuberculosis	3	5	6	3	3	7	2	1	1	0	0	13	8.9	1.5
Grand Total	545	552	513	519	535	457	314	316						

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 (1)	
Hepatitis B (unspecified)	3	10 (11)			12 (4)		2	9 (10)	
Hepatitis C (newly acquired)								3 (5)	
Hepatitis C (unspecified)	1	7 (8)		3	15 (13)		1	14 (9)	
Hepatitis D		1							
Enteric diseases									
Campylobacteriosis	16	62 (81)		15	64 (75)		8	54 (65)	
Cryptosporidiosis	4	7 (3)		1	2 (2)		3	7 (4)	
Rotavirus	2	9 (3)		2	11 (6)		1	9 (3)	
STEC/VTEC infection		5 (5)			1 (1)			1 (5)	
Salmonellosis	8	30 (51)		6	39 (18)		7	32 (27)	
Shigellosis	2	2 (4)			4 (5)		2	7 (9)	
Typhoid					1				
Sexually transmissible infections									
Chlamydia (genital)	28	166 (168)		24	164 (196)		35	196 (203)	
Gonorrhoea	7	45 (60)		4	54 (55)		20	78 (85)	
Syphilis - Infectious	3	7 (8)		5	7 (3)		6	10 (10)	
Syphilis - Non-Infectious		2 (4)			1			1 (2)	
Vaccine preventable diseases									
Influenza	19	81 (85)		9	42 (81)		10	45 (54)	
Mumps					1				
Pertussis	2	15 (7)			14 (22)		2	5 (12)	
Pneumococcal infection		2 (1)						1 (4)	
Varicella (chicken pox)		9 (11)			15 (18)			6 (8)	
Varicella (shingles)	1	28 (46)		3	24 (45)		2	20 (25)	
Varicella (unspecified)	16	42 (35)		22	50 (41)		4	25 (22)	
Vector-borne diseases									
Chikungunya								1	
Dengue fever		2 (4)		1	5 (6)			5 (1)	
Malaria		1					1	2 (1)	
Ross River virus		1 (5)		2	4 (8)		1	2 (6)	
Typhus		3							
Zoonotic diseases									
Leptospirosis								1	
Q Fever					1				
Other diseases									
Creutzfeldt-Jakob disease		1			1				
Legionellosis		1 (1)							
Leprosy					1				
Meningococcal infection							1	2	
Tuberculosis	1	3 (6)			4 (4)			6 (9)	
Grand Total	113	542 (607)		97	537 (603)		106	543 (580)	

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							
Hepatitis B (unspecified)									
Hepatitis C (newly acquired)					1			6 (2)	
Hepatitis C (unspecified)		4 (2)					3		
Hepatitis D									
Enteric diseases									
Campylobacteriosis	3	18 (29)			4 (8)		1	4 (6)	
Cryptosporidiosis		2 (2)							
Rotavirus		1 (1)						1	
STEC/VTEC infection								1	
Salmonellosis		7 (5)			2 (2)			2 (4)	
Shigellosis								1	
Typhoid									
Sexually transmissible infections									
Chlamydia (genital)	5	35 (34)			6 (7)		2	11 (11)	
Gonorrhoea	1	13 (7)			2 (1)		1	2 (1)	
Syphilis - Infectious					1 (1)				
Syphilis - Non-Infectious									
Vaccine preventable diseases									
Influenza	3	11 (22)			3 (16)		2	5 (6)	
Mumps									
Pertussis		2 (8)						1 (1)	
Pneumococcal infection									
Varicella (chicken pox)	1	2 (3)			2 (1)			2 (1)	
Varicella (shingles)		11 (17)			2 (11)			3 (5)	
Varicella (unspecified)		1			6 (1)		1	3	
Vector-borne diseases									
Chikungunya									
Dengue fever		1 (2)							
Malaria									
Ross River virus	1	6 (7)		1	1 (1)				
Typhus									
Zoonotic diseases									
Leptospirosis									
Q Fever									
Other diseases									
Creutzfeldt-Jakob disease									
Legionellosis		1							
Leprosy									
Meningococcal infection									
Tuberculosis								1	
Grand Total	14	116 (139)		1	30 (49)		10	43 (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 (newly acquired)									
Hepatitis B (unspecified)		1					1	1	
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	2	2 (1)						2	
Hepatitis D									
Enteric diseases									
Campylobacteriosis	1	3 (3)			2 (3)			4 (2)	
Cryptosporidiosis							1	1 (1)	
Rotavirus					1				
STEC/VTEC infection									
Salmonellosis	1	3 (4)		1	3 (1)			4 (3)	
Shigellosis		2			1			1 (4)	
Typhoid									
Sexually transmissible infections									
Chlamydia (genital)	3	16 (20)		2	21 (18)		2	14 (26)	
Gonorrhoea		4 (2)			6 (15)		1	10 (16)	
Syphilis - Infectious					2			1 (8)	
Syphilis - Non-Infectious		1 (2)			2				
Vaccine preventable diseases									
Influenza		2 (5)		2	8 (7)			2 (7)	
Mumps									
Pertussis									
Pneumococcal infection					1 (1)			1	
Varicella (chicken pox)	1	2 (1)							
Varicella (shingles)		2			2			4 (4)	
Varicella (unspecified)	1	1			2			1	
Vector-borne diseases									
Chikungunya									
Dengue fever									
Malaria									
Ross River virus									
Typhus									
Zoonotic diseases									
Leptospirosis									
Q Fever									
Other diseases									
Creutzfeldt-Jakob disease									
Legionellosis									
Leprosy									
Meningococcal infection		1							
Tuberculosis									
Grand Total	9	40 (38)		5	51 (45)		5	46 (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	2 (4)	0.0
Hepatitis B (unspecified)				6	33 (31)	0.0
Hepatitis C (newly acquired)				0	3 (13)	0.0
Hepatitis C (unspecified)	1	1 (1)		11	52 (40)	0.0
Hepatitis D				0	1 (0)	0.0
Enteric diseases						
Campylobacteriosis		3 (7)		44	218 (286)	0.0
Cryptosporidiosis				9	19 (13)	0.0
Rotavirus		1		5	34 (15)	0.0
STEC/VTEC infection				0	8 (13)	0.0
Salmonellosis		4 (4)		25	130 (121)	0.0
Shigellosis		2 (7)		4	20 (31)	0.0
Typhoid				0	1 (0)	0.0
Sexually transmissible infections						
Chlamydia (genital)		19 (32)		105	660 (726)	0.0
Gonorrhoea	1	13 (23)		35	231 (270)	0.0
Syphilis - Infectious		7 (4)		14	35 (37)	0.0
Syphilis - Non-Infectious				0	9 (10)	0.0
Vaccine preventable diseases						
Influenza	1	1 (61)		48	212 (350)	0.0
Mumps				0	1 (1)	0.0
Pertussis				4	37 (56)	0.0
Pneumococcal infection				0	6 (9)	0.0
Varicella (chicken pox)		1		2	40 (45)	0.0
Varicella (shingles)		1 (2)		7	99 (159)	0.0
Varicella (unspecified)		1		44	133 (104)	0.0
Vector-borne diseases						
Chikungunya				0	1 (0)	0.0
Dengue fever				1	14 (13)	0.0
Malaria				1	3 (3)	0.0
Ross River virus				5	14 (29)	0.0
Typhus				0	3 (2)	0.0
Zoonotic diseases						
Leptospirosis				0	1 (1)	0.0
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				1	3 (4)	0.0
Tuberculosis				1	14 (20)	0.0
Grand Total	3	54 (141)		372	2044 (2417)	

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

	Week Ending								Cumulative Total to end of Week 1	
	19/11	26/11	03/12	10/12	17/12	24/12	31/12	07/01	2020	2019
	Salmonella Total	47	47	58	40	41	35	29	25	25
Serotype/Phage										
Salmonella Adelaide	1								0	0
Salmonella Agona			1			1			0	1
Salmonella Anatum				1		3			0	0
Salmonella Anatum var 15+			1			1			0	0
Salmonella Bareilly		1							0	0
Salmonella Bovismorbificans				1					0	0
Salmonella Cerro		1							0	0
Salmonella Chester	1						1		0	0
Salmonella Choleraesuis bv Australia					1				0	0
Salmonella Choleraesuis bv Decatur			1	1	1		1		0	0
Salmonella Eastbourne					1				0	0
Salmonella Enteritidis	7	4	2	3	4	1	1		0	6
Salmonella Hadar		1							0	0
Salmonella Heidelberg	1								0	0
Salmonella Infantis	1	1	1						0	0
Salmonella Javiana					1				0	0
Salmonella Johannesburg			1						0	0
Salmonella Kentucky	2								0	0
Salmonella Kiambu		1							0	0
Salmonella Mbandaka			1						0	0
Salmonella Muenchen	1	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	4	2	1	1		2			0	2
Salmonella Pomona							1		0	0
Salmonella Reading		2	1		1	1	1		0	0
Salmonella Rissen			1						0	0
Salmonella Saintpaul		2	2	2			2		0	1
Salmonella Schwarzengrund							2		0	1
Salmonella Senftenberg			1	1	1				0	0
Salmonella Singapore			1			1			0	1
Salmonella Stanley	1			1		2			0	0
Salmonella Typhimurium	26	23	32	24	15	16	11	3	3	25
Salmonella Virchow	1	1	1					1	1	0
Salmonella Weltevreden			2					1	1	0
Salmonella species	1	6	5	3	8	3	8	20	20	1