



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 20-NOV-17 to 14-JAN-18

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	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1		2		1	1		1	1	1	0	3	1.6	1.9
Hepatitis B (unspecified)	9	9	14	6	12	9	4	5	9	11	18	30	43.9	0.7
Hepatitis C (newly acquired)	2	5	5	1	2	2	1	1	2	1	6	6	11.1	0.5
Hepatitis C (unspecified)	23	22	27	17	18	11	10	25	35	40	30	64	75.3	0.8
Hepatitis D									0	0	0	0	0.3	0.0
Enteric diseases														
Campylobacteriosis	67	74	90	60	64	56	61	53	114	181	148	234	225.3	1.0
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis	3	1		1	2		3	5	8	23	9	10	28.9	0.3
Hepatitis A									0	0	3	0	1.7	0.0
Hepatitis E									0	0	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.6	0.0
Paratyphoid fever									0	1	2	0	1.1	0.0
Rotavirus	5	10	10	5	7	8	7	8	15	22	5	30	27.3	1.1
STEC/VTEC infection	1	2	1	3	1	3	6		6	4	2	10	1.7	6.0
Salmonellosis	33	51	44	37	31	46	36	28	64	121	93	141	144.7	1.0
Shigellosis	6	8	4	8	3	5	8	4	12	8	6	20	8.9	2.2
Typhoid	2	1	1	1					0	0	0	0	0.9	0.0
Vibrio parahaemolyticus	2			1	1	2	1		1	0	4	4	1.4	2.9
Yersiniosis				1					0	0	1	0	0.7	0.0
Sexually transmissible infections														
Chlamydia (genital)	211	219	199	216	223	96	181	207	388	497	442	707	858.5	0.8
Gonorrhoea	48	61	58	57	55	26	56	39	95	140	100	176	197.7	0.9
Syphilis - Infectious	9	2	7	6	6	2	5	9	14	17	14	22	13.9	1.6
Syphilis - Non-Infectious	6	10	3	4	1	6	1	6	7	4	2	14	7.4	1.9
Vaccine preventable diseases														
Influenza	65	59	54	72	49	36	48	39	87	79	62	172	111.7	1.5
Measles							1		1	2	0	1	2.5	0.4
Mumps			1		2		1		1	1	37	3	17.3	0.2
Pertussis	32	29	23	24	16	28	17	17	34	59	107	78	139.6	0.6
Pneumococcal infection	3	2	3	4	1		6		6	5	1	7	8.5	0.8
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	14	10	6	8	7	7	7	4	11	34	15	25	30.0	0.8
Varicella (shingles)	34	40	55	35	19	19	25	13	38	77	69	76	114.3	0.7
Varicella (unspecified)	24	28	41	27	34	25	34	44	78	62	68	137	110.7	1.2
Vector-borne diseases														
Arboviral encephalitis									0	0	3	0	0.4	0.0
Barmah Forest virus	2		1		1	2			0	0	1	3	17.1	0.2
Chikungunya									0	2	1	0	1.7	0.0
Dengue fever	1	2	1	3	1	1	1	2	3	16	26	5	37.9	0.1
Malaria	2		2				1		1	5	3	1	6.6	0.2
Ross River virus	7	19	12	14	4	6	11	13	24	83	23	34	113.6	0.3
Schistosomiasis									0	18	5	0	14.8	0.0
Typhus				1	1	1			0	2	1	2	2.5	0.8
Zoonotic diseases														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis		1							0	0	0	0	0.0	0.0
Psittacosis									0	0	0	0	0.4	0.0
Q Fever							1		1	1	0	1	0.4	2.5
Other diseases														
Creutzfeldt-Jakob disease									0	0	1	0	0.4	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.2	0.0
Legionellosis	1	1	2					1	1	3	1	1	5.9	0.2
Leprosy			1						0	0	0	0	0.4	0.0
Melioidosis									0	0	0	0	0.6	0.0
Meningococcal infection	2		2	1		3	2		2	0	2	5	1.1	4.4
Tuberculosis	4	3	4	9	1	11		1	1	4	4	13	10.9	1.2
Grand Total	619	669	674	621	563	412	535	525						

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	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1		1		1			1	1	0	0	2	1.2	1.7
Hepatitis B (unspecified)	9	8	9	5	8	6	4	4	8	9	15	22	32.5	0.7
Hepatitis C (newly acquired)	1	5	5	1	2	2	1	1	2	1	5	6	8.7	0.7
Hepatitis C (unspecified)	18	16	18	11	13	9	6	16	22	33	23	44	54.7	0.8
Hepatitis D									0	0	0	0	0.3	0.0
Enteric diseases														
Campylobacteriosis	52	59	75	45	47	44	45	36	81	145	119	172	174.0	1.0
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis	2	1			1		1	2	3	17	8	4	17.5	0.2
Hepatitis A									0	0	3	0	1.2	0.0
Hepatitis E									0	0	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.6	0.0
Paratyphoid fever									0	1	2	0	0.9	0.0
Rotavirus	3	10	10	5	7	8	6	7	13	17	4	28	22.3	1.3
STEC/VTEC infection	1	2	1	2	1	3	5		5	1	1	9	0.6	15.0
Salmonellosis	21	41	37	25	21	34	27	25	52	95	66	107	109.6	1.0
Shigellosis		3	3	1	2				0	0	5	2	3.9	0.5
Typhoid	2	1	1	1					0	0	0	0	0.7	0.0
Vibrio parahaemolyticus	1			1	1	2	1		1	0	4	4	1.3	3.0
Yersiniosis			1						0	0	1	0	0.5	0.0
Sexually transmissible infections														
Chlamydia (genital)	175	171	146	169	184	81	141	182	323	404	323	588	654.6	0.9
Gonorrhoea	32	44	36	28	34	15	28	32	60	94	61	109	119.0	0.9
Syphilis - Infectious	7	2	6	3	6	1	4	9	13	11	10	20	10.7	1.9
Syphilis - Non-Infectious	6	10	2	3	1	4	1	4	5	2	1	10	5.4	1.9
Vaccine preventable diseases														
Influenza	33	38	39	51	36	28	41	29	70	65	52	134	90.1	1.5
Measles							1		1	2	0	1	2.1	0.5
Mumps			1		2		1		1	1	0	3	3.1	1.0
Pertussis	23	14	16	15	12	18	13	11	24	44	73	54	100.3	0.5
Pneumococcal infection	1	1	1	2	1		2		2	4	0	3	4.5	0.7
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	10	6	5	7	4	4	6	3	9	22	10	17	21.7	0.8
Varicella (shingles)	24	32	42	27	15	13	21	11	32	47	54	60	85.5	0.7
Varicella (unspecified)	23	27	36	25	30	24	33	39	72	58	60	126	98.3	1.3
Vector-borne diseases														
Arboviral encephalitis									0	0	2	0	0.3	0.0
Barmah Forest virus					1	1			0	0	0	2	11.8	0.2
Chikungunya									0	1	1	0	1.5	0.0
Dengue fever	1	2		3	1		1	2	3	15	22	4	30.1	0.1
Malaria	2		1				1		1	4	2	1	5.8	0.2
Ross River virus	4	15	8	12	3	4	8	8	16	42	20	23	72.3	0.3
Schistosomiasis									0	18	4	0	13.8	0.0
Typhus					1	1			0	1	1	2	1.9	1.0
Zoonotic diseases														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis		1							0	0	0	0	0.0	0.0
Psittacosis									0	0	0	0	0.1	0.0
Q Fever									0	0	0	0	0.1	0.0
Other diseases														
Creutzfeldt-Jakob disease									0	0	0	0	0.2	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.2	0.0
Legionellosis		1	2						0	1	0	0	4.1	0.0
Leprosy			1						0	0	0	0	0.2	0.0
Melioidosis									0	0	0	0	0.3	0.0
Meningococcal infection	2			1		3	1		1	0	1	4	0.6	6.7
Tuberculosis	4	3	3	8		8			0	4	4	8	9.3	0.9
Grand Total	458	513	506	451	435	313	399	422						

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	1	0.1			
Hepatitis B (unspecified)	1	6 (10)	0.3	1	5	0.3	2	11 (10)	0.5
Hepatitis C (newly acquired)				1	3 (1)	0.3		3 (3)	
Hepatitis C (unspecified)	3	11 (14)	0.7	8	17 (17)	1.3	5	16 (28)	1.1
Enteric diseases									
Campylobacteriosis	13	57 (98)	3.6	12	53 (67)	4.2	11	62 (81)	3.2
Cryptosporidiosis	1	2 (9)	0.1	1	1 (9)	0.1		1 (5)	0.1
Rotavirus	1	14 (7)	0.8	3	8 (6)	0.6	3	6 (15)	0.4
STEC/VTEC infection		3	0.3		3 (1)	0.3		3	0.1
Salmonellosis	10	35 (53)	2.6	8	31 (64)	2.6	7	41 (50)	1.9
Shigellosis					1			1	
Vibrio parahaemolyticus		2			1	0.1		1	
Sexually transmissible infections									
Chlamydia (genital)	61	181 (219)	14.3	49	190 (218)	14.1	72	217 (222)	15.7
Gonorrhoea	4	25 (46)	1.3	5	26 (47)	2.0	23	58 (63)	4.9
Syphilis - Infectious	6	12 (7)	1.0	1	3 (5)	0.3	2	5 (8)	0.4
Syphilis - Non-Infectious	2	2	0.3		5 (3)	0.1	2	3	0.3
Vaccine preventable diseases									
Influenza	8	59 (28)	3.9	11	42 (34)	2.8	10	33 (36)	2.8
Measles		1	0.1						
Mumps		2 (1)						1 (2)	0.1
Pertussis	7	23 (29)	1.4	2	14 (21)	0.9	2	17 (26)	0.9
Pneumococcal infection		1 (1)	0.1		2 (3)	0.1			
Varicella (chicken pox)	2	8 (13)	0.8	1	3 (8)	0.1		6 (15)	0.3
Varicella (shingles)	5	20 (37)	1.3	2	19 (23)	1.5	4	21 (28)	1.6
Varicella (unspecified)	16	45 (41)	3.6	17	49 (33)	4.1	6	32 (25)	2.2
Vector-borne diseases									
Barmah Forest virus		1			1				
Dengue fever	1	1 (9)	0.1				1	3 (7)	0.3
Malaria								1 (3)	0.1
Ross River virus		3 (17)	0.1	6	11 (22)	1.0	2	9 (22)	1.1
Typhus		2							
Zoonotic diseases									
Q Fever									
Other diseases									
Legionellosis					2 (1)	0.1		2	
Meningococcal infection					2 (4)			3 (6)	
Tuberculosis		3 (6)							
Grand Total	141	520 (645)		129	493 (587)		152	556 (655)	

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)					1 (1)			2 (2)	
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	3	7 (3)	2.7	1	1 (5)	1.6			
Enteric diseases									
Campylobacteriosis	9	26 (27)	7.4	2	7 (7)	8.0		8 (7)	3.8
Cryptosporidiosis	1	2 (1)	1.1					1 (2)	
Rotavirus							1	1 (2)	1.3
STEC/VTEC infection					1 (1)	1.6			
Salmonellosis	1	8 (5)	1.6		4 (4)	3.2		2 (3)	
Shigellosis									
Vibrio parahaemolyticus									
Sexually transmissible infections									
Chlamydia (genital)	6	29 (27)	6.9	5	14 (13)	16.0	1	8 (8)	5.1
Gonorrhoea	1	7 (2)	2.1				1	5 (1)	1.3
Syphilis - Infectious		1 (1)							
Syphilis - Non-Infectious	1	2	0.5						
Vaccine preventable diseases									
Influenza	3	7 (5)	3.2	2	4 (5)	3.2	3	3	3.8
Measles									
Mumps									
Pertussis	1	11 (10)	1.6	3	8 (11)	4.8	1	3 (1)	3.8
Pneumococcal infection					1	1.6			
Varicella (chicken pox)		3 (5)	0.5		1 (1)		1	2	1.3
Varicella (shingles)		8 (12)	1.6		2 (6)				
Varicella (unspecified)	2	2 (3)	1.1	2	2	3.2			
Vector-borne diseases									
Barmah Forest virus		1							
Dengue fever									
Malaria									
Ross River virus	2	6 (30)	2.1	1	1 (11)	1.6	2	2 (6)	2.5
Typhus									
Zoonotic diseases									
Q Fever									
Other diseases									
Legionellosis	1	1 (1)	0.5						
Meningococcal infection									
Tuberculosis								2	
Grand Total	31	122 (133)		16	47 (65)		10	39 (32)	

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)		2		1	1 (1)	1.6		1	
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	3	4	4.3	1	1 (3)	1.6	1	3 (2)	2.9
Enteric diseases									
Campylobacteriosis	2	5 (8)	4.3	2	4 (7)	4.9	2	5 (2)	4.4
Cryptosporidiosis									
Rotavirus		1 (1)	1.4						
STEC/VTEC infection									
Salmonellosis	1	3 (8)	1.4		2 (5)	1.6		5 (4)	2.9
Shigellosis				1	4 (1)	6.6		4 (1)	
Vibrio parahaemolyticus									
Sexually transmissible infections									
Chlamydia (genital)	3	16 (12)	12.9	2	11 (23)	6.6	2	8 (17)	7.3
Gonorrhoea	1	7 (5)	5.7	1	7 (17)	6.6		5 (13)	2.9
Syphilis - Infectious								1	1.5
Syphilis - Non-Infectious	1	1	1.4						
Vaccine preventable diseases									
Influenza	1	2 (3)	1.4						
Measles					1			2 (8)	1.5
Mumps									
Pertussis								1 (3)	
Pneumococcal infection		2 (1)	2.9		1 (2)	1.6			
Varicella (chicken pox)									
Varicella (shingles)					2 (7)				
Varicella (unspecified)	1	4	1.4		1	1.6			
Vector-borne diseases									
Barmah Forest virus									
Dengue fever									
Malaria									
Ross River virus		1						1 (3)	1.5
Typhus									
Zoonotic diseases									
Q Fever		1	1.4						
Other diseases									
Legionellosis									
Meningococcal infection					1	1.6			
Tuberculosis		2					1	1	1.5
Grand Total	13	51 (38)		8	36 (66)		6	37 (53)	

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)				1	3 (1)	0.0
Hepatitis B (unspecified)		1 (1)		5	30 (25)	0.3
Hepatitis C (newly acquired)				1	6 (4)	0.1
Hepatitis C (unspecified)		3	2.5	25	64 (77)	1.2
Enteric diseases						
Campylobacteriosis		3 (4)		53	234 (314)	4.1
Cryptosporidiosis	2	3 (3)	7.5	5	10 (32)	0.3
Rotavirus				8	30 (34)	0.5
STEC/VTEC infection				0	10 (4)	0.2
Salmonellosis		4 (7)	5.0	28	141 (205)	2.3
Shigellosis	3	10 (1)	20.1	4	20 (11)	0.4
Vibrio parahaemolyticus				0	4 (0)	0.0
Sexually transmissible infections						
Chlamydia (genital)	3	27 (49)	42.7	207	707 (811)	14.0
Gonorrhoea	1	28 (32)	37.6	39	176 (230)	3.4
Syphilis - Infectious				9	22 (29)	0.5
Syphilis - Non-Infectious				6	14 (5)	0.2
Vaccine preventable diseases						
Influenza	1	15 (2)	7.5	39	172 (127)	3.2
Measles				0	1 (4)	0.0
Mumps				0	3 (5)	0.0
Pertussis				17	78 (104)	1.2
Pneumococcal infection				0	7 (13)	0.2
Varicella (chicken pox)		1 (2)		4	25 (53)	0.4
Varicella (shingles)	2	4 (5)	7.5	13	76 (140)	1.4
Varicella (unspecified)				44	137 (105)	2.8
Vector-borne diseases						
Barmah Forest virus				0	3 (0)	0.0
Dengue fever				2	5 (26)	0.1
Malaria				0	1 (9)	0.0
Ross River virus				13	34 (124)	0.9
Typhus				0	2 (3)	0.0
Zoonotic diseases						
Q Fever				0	1 (1)	0.0
Other diseases						
Legionellosis				1	1 (6)	0.0
Meningococcal infection				0	5 (1)	0.1
Tuberculosis				1	13 (16)	0.0
Grand Total	12	99 (106)		525	2035 (2552)	

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

Salmonella	Week Ending						Cumulative Total to end of Week 2	
	26/11	03/12	10/12	17/12	24/12	31/12	2018	2017
	Salmonella Total	33	51	44	37	26	19	64
Serotype/Phage								
Salmonella Aberdeen							0	0
Salmonella Agona			1				2	1
Salmonella Albany					1	1	0	0
Salmonella Anatum				1	1		0	0
Salmonella Birkenhead					1		0	0
Salmonella Bonn			1				0	0
Salmonella Bovismorbificans		3			1		0	1
Salmonella Bredeney				1			0	0
Salmonella Chester				1	1		0	2
Salmonella Choleraesuis bv Decatur			1				0	0
Salmonella Eastbourne		1	1				0	1
Salmonella Enteritidis	5	1		1	1		5	9
Salmonella Fremantle subsp II	1						0	0
Salmonella Give							0	2
Salmonella Hadar	1						0	0
Salmonella Havana	1	1					0	0
Salmonella Hvittingfoss		3	1	2			0	2
Salmonella Infantis	1		1				1	3
Salmonella Javiana			1				1	0
Salmonella Johannesburg		1					0	1
Salmonella Kentucky							1	2
Salmonella Kiambu		1				1	0	0
Salmonella Kottbus							1	0
Salmonella Mbandaka	1						0	0
Salmonella Meleagridis						1	0	0
Salmonella Muenchen			1			1	0	2
Salmonella Newport			1	2			0	0
Salmonella Ohio					1		0	0
Salmonella Orientalis						2	0	0
Salmonella Orion	1						0	0
Salmonella Paratyphi B bv Java	1	2	2				2	2
Salmonella Potsdam	1		1				0	0
Salmonella Reading	1						0	0
Salmonella Rissen							1	0
Salmonella Saintpaul	3	1		1	2	1	3	1
Salmonella Schwarzengrund		1					0	1
Salmonella Singapore	1			1			0	2
Salmonella Stanley	1	2	4	1	1		0	2
Salmonella Typhimurium	11	26	22	21	11	10	23	69
Salmonella Virchow	1	4	2	1	4		2	2
Salmonella Wandsworth		1		1			0	0
Salmonella Wangata		1					0	0
Salmonella Welikade			1				1	0
Salmonella Weltevreden		1		1			1	1
Salmonella species	2	1	3	2	1	2	20	6