



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 27-NOV-17 to 21-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 3			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	03/12	10/12	17/12	24/12	31/12	07/01	14/01	21/01	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)		2		1	1		1		1	1	0	2	1.6	1.3
Hepatitis B (unspecified)	9	14	6	12	9	4	5	13	22	27	27	31	42.6	0.7
Hepatitis C (newly acquired)	5	5	1	2	3	1	2	2	5	4	10	8	10.8	0.7
Hepatitis C (unspecified)	22	27	17	18	10	10	24	25	59	65	53	69	73.7	0.9
Hepatitis D									0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	74	90	61	65	59	70	60	50	180	261	207	239	222.9	1.1
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis	1		1	2		4	4		8	44	19	8	30.1	0.3
Hepatitis A									0	0	3	0	1.9	0.0
Hepatitis E									0	1	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.5	0.0
Paratyphoid fever									0	1	2	0	1.1	0.0
Rotavirus	10	10	5	7	8	8	11	1	20	31	7	28	26.5	1.1
STEC/VTEC infection	2	1	3	1	3	7			7	3	3	10	1.7	6.0
Salmonellosis	52	43	39	35	47	37	29	36	102	172	145	149	148.9	1.0
Shigellosis	8	4	8	3	5	9	8	6	23	9	6	28	9.1	3.1
Typhoid	1	1	1					1	1	0	1	1	1.0	1.0
Vibrio parahaemolyticus			1	1	2	1		1	2	1	5	4	1.4	2.9
Yersiniosis		1						1	1	0	1	1	0.7	1.5
Sexually transmissible infections														
Chlamydia (genital)	220	200	216	224	99	192	265	173	630	758	718	729	872.0	0.8
Gonorrhoea	61	59	56	55	27	59	61	44	164	222	148	191	201.3	0.9
Syphilis - Infectious	2	6	5	6	3	5	9	7	21	20	21	24	14.1	1.7
Syphilis - Non-Infectious	10	3	5	2	6	1	8	2	11	5	2	17	7.7	2.2
Vaccine preventable diseases														
Influenza	59	55	74	47	39	52	47	38	137	115	88	176	112.8	1.6
Measles						1			1	6	0	1	2.5	0.4
Mumps		1		2		1			1	2	58	1	17.8	0.1
Pertussis	29	24	25	18	30	23	19	6	48	88	155	78	135.8	0.6
Pneumococcal infection	2	3	4	1		6	4		10	9	3	10	8.6	1.2
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	10	6	8	7	9	7	5	2	14	43	22	23	29.8	0.8
Varicella (shingles)	40	55	35	20	21	33	34	14	81	114	96	102	115.6	0.9
Varicella (unspecified)	28	41	27	34	23	32	42	56	130	92	98	153	112.6	1.4
Vector-borne diseases														
Barmah Forest virus		2		2	1				0	0	2	1	18.8	0.1
Chikungunya									0	2	1	0	1.7	0.0
Dengue fever	2	1	3	1	1	1	4	5	10	26	39	11	41.1	0.3
Malaria		2				1			1	7	4	1	6.6	0.2
Ross River virus	19	12	14	5	5	12	15	11	38	119	36	43	118.9	0.4
Typhus			1	1	1			3	3	2	1	4	2.3	1.8
West Nile virus/Kunjin virus									0	0	0	0	0.0	0.0
Zika virus									0	0	4	0	0.4	0.0
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	0.3	0.0
Q Fever						1			1	1	0	1	0.3	3.0
Other diseases														
Acute post-streptococcal glomerulonephritis	1								0	0	0	0	0.1	0.0
Creutzfeldt-Jakob disease									0	0	2	0	0.4	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.2	0.0
Legionellosis	1	2			1		1		1	3	1	2	5.7	0.4
Leprosy		1							0	0	0	0	0.3	0.0
Melioidosis									0	0	0	0	0.7	0.0
Meningococcal infection		2	1		3	2	1		3	0	2	6	1.1	5.3
Tuberculosis	3	4	9	1	11		1	2	3	6	6	14	10.9	1.3
Grand Total	672	677	626	573	427	580	660	499						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 3			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	03/12	10/12	17/12	24/12	31/12	07/01	14/01	21/01	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)			1		1			1	1	0	0	1	1.2	0.8
Hepatitis B (unspecified)	8	9	5	8	6	4	4	9	17	25	22	23	32.1	0.7
Hepatitis C (newly acquired)	5	5	1	2	3	1	1	2	4	4	9	7	8.7	0.8
Hepatitis C (unspecified)	16	18	11	13	8	6	16	16	38	53	36	46	53.1	0.9
Hepatitis D									0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	59	75	45	47	46	50	44	40	134	212	169	180	172.7	1.0
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis	1			1			1	2	3	35	15	3	18.2	0.2
Hepatitis A									0	0	3	0	1.4	0.0
Hepatitis E									0	1	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.5	0.0
Paratyphoid fever									0	1	2	0	1.1	0.0
Rotavirus	10	10	5	7	8	7	9		16	26	6	24	21.4	1.1
STEC/VTEC infection	2	1	2	1	3	5			5	1	2	8	0.6	13.3
Salmonellosis	42	36	26	25	36	28	21	26	75	136	105	111	113.1	1.0
Shigellosis	3	3	1	2				2	4	0	5	4	3.8	1.1
Typhoid	1	1	1					1	1	0	1	1	0.8	1.3
Vibrio parahaemolyticus				1	1	2	1		2	1	5	4	1.3	3.0
Yersiniosis			1					1	1	0	1	1	0.6	1.7
Sexually transmissible infections														
Chlamydia (genital)	172	147	169	185	83	149	220	144	513	600	541	596	665.0	0.9
Gonorrhoea	44	36	28	34	16	30	41	39	110	142	92	126	121.4	1.0
Syphilis - Infectious	2	5	3	6	2	3	9	6	18	12	14	20	10.7	1.9
Syphilis - Non-Infectious	10	2	4	1	4	1	6	2	9	3	1	13	5.5	2.3
Vaccine preventable diseases														
Influenza	38	39	52	35	31	45	34	34	113	94	73	144	91.8	1.6
Measles						1			1	6	0	1	2.1	0.5
Mumps		1		2		1			1	2	0	1	3.2	0.3
Pertussis	14	16	15	13	20	16	15	2	33	69	102	53	98.2	0.5
Pneumococcal infection	1	1	2	1		2	3		5	8	1	5	4.5	1.1
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	6	5	7	4	6	6	4	2	12	29	15	18	22.0	0.8
Varicella (shingles)	32	42	27	16	15	26	27	8	61	73	72	76	86.8	0.9
Varicella (unspecified)	27	36	25	30	22	30	36	53	119	86	87	141	100.0	1.4
Vector-borne diseases														
Barmah Forest virus			1		1	1			0	0	1	1	12.9	0.1
Chikungunya									0	1	1	0	1.5	0.0
Dengue fever	2		3	1		1	4	5	10	22	32	10	32.9	0.3
Malaria		1				1			1	6	2	1	5.9	0.2
Ross River virus	15	8	12	3	4	8	9	6	23	58	28	27	75.5	0.4
Typhus				1	1			1	1	1	1	2	1.7	1.2
Zika virus									0	0	3	0	0.3	0.0
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	0.0	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						1	1	1	0	1	4.0	0.3
Leprosy		1							0	0	0	0	0.2	0.0
Melioidosis									0	0	0	0	0.3	0.0
Meningococcal infection			1		3	1	1		2	0	1	5	0.7	6.8
Tuberculosis	3	3	8		8			2	2	6	5	10	9.3	1.1
Grand Total	515	506	454	441	328	424	510	402						

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	0.1			
Hepatitis B (unspecified)	3	5 (6)	0.7	2	5 (6)	0.6	4	13 (15)	1.1
Hepatitis C (newly acquired)					3 (4)	0.3	2	4 (2)	0.3
Hepatitis C (unspecified)	2	11 (11)	0.9	9	19 (27)	2.6	5	16 (27)	1.8
Enteric diseases									
Campylobacteriosis	15	64 (103)	6.2	12	60 (67)	6.7	13	56 (86)	5.4
Cryptosporidiosis		1 (11)	0.1		1 (16)	0.1		1 (11)	0.1
Rotavirus		11 (9)	0.9		8 (8)	0.7		5 (17)	0.5
STEC/VTEC infection		4	0.4		2 (1)	0.1		2	0.1
Salmonellosis	11	41 (55)	4.0	7	33 (58)	3.5	8	37 (59)	2.7
Shigellosis					1	0.1	2	3	0.4
Typhoid	1	1	0.1						
Vibrio parahaemolyticus		1		1	2	0.3		1 (1)	
Yersiniosis							1	1	0.1
Sexually transmissible infections									
Chlamydia (genital)	57	209 (230)	23.7	31	183 (230)	22.3	56	204 (241)	24.1
Gonorrhoea	9	30 (50)	3.1	11	35 (42)	4.2	19	61 (73)	7.7
Syphilis - Infectious	2	10 (4)	1.2	1	3 (4)	0.4	3	7 (5)	0.8
Syphilis - Non-Infectious	1	5	0.7		4 (2)	0.1	1	4 (1)	0.4
Vaccine preventable diseases									
Influenza	11	58 (33)	5.9	11	46 (36)	5.0	12	40 (36)	4.6
Measles		1	0.1						
Mumps								1 (3)	0.1
Pertussis	2	24 (35)	2.0		14 (22)	1.3		15 (27)	1.2
Pneumococcal infection		2 (1)	0.3		1 (4)	0.1		2 (4)	0.3
Varicella (chicken pox)	1	10 (12)	0.9	1	4 (10)	0.4		4 (12)	0.3
Varicella (shingles)	4	23 (38)	2.6	3	26 (23)	3.2	1	27 (23)	2.6
Varicella (unspecified)	14	44 (39)	5.2	22	59 (35)	7.0	17	38 (30)	4.2
Vector-borne diseases									
Barmah Forest virus		1							
Dengue fever	2	4 (6)	0.5	1	2 (10)	0.3	2	4 (10)	0.5
Malaria								1 (2)	0.1
Ross River virus		3 (22)	0.1	5	15 (24)	1.9	1	9 (26)	1.2
Typhus		1		1	1	0.1			
Zoonotic diseases									
Q Fever									
Other diseases									
Legionellosis		1 (1)	0.1						
Meningococcal infection					3 (1)	0.3		2	
Tuberculosis	1	4 (2)	0.1	1	3 (5)	0.1		3 (6)	
Grand Total	136	569 (668)		119	534 (635)		147	561 (717)	

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)	2	2	1.1						
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	3	9 (2)	4.3	2	3 (4)	4.8			
Enteric diseases									
Campylobacteriosis	8	28 (23)	11.7		5 (3)	8.0		6 (11)	3.8
Cryptosporidiosis		2 (1)	1.1						
Rotavirus	1	1 (1)	0.5					2 (2)	2.5
STEC/VTEC infection					2	3.2			
Salmonellosis	1	10 (5)	3.2		2 (2)	3.2		2 (5)	2.5
Shigellosis									
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	8	30 (37)	12.8	3	15 (19)	22.5	2	10 (9)	10.1
Gonorrhoea	2	9 (5)	4.3					5 (1)	1.3
Syphilis - Infectious		2 (2)	0.5						
Syphilis - Non-Infectious		2	0.5						
Vaccine preventable diseases									
Influenza	2	10 (5)	5.3		3 (4)	3.2	2	5 (1)	6.3
Measles									
Mumps									
Pertussis	1	11 (11)	3.2	2	8 (9)	6.4		3	3.8
Pneumococcal infection					1	1.6			
Varicella (chicken pox)		1 (4)	0.5		1 (1)			2	1.3
Varicella (shingles)	2	15 (14)	6.4	1	2 (5)	1.6	2	2 (10)	2.5
Varicella (unspecified)	1	1 (3)	0.5		4	6.4			
Vector-borne diseases									
Barmah Forest virus									
Dengue fever									
Malaria									
Ross River virus	3	9 (36)	4.8	1	2 (11)	3.2	1	3 (6)	3.8
Typhus	1	1	0.5				1	1	1.3
Zoonotic diseases									
Q Fever									
Other diseases									
Legionellosis		1 (1)							
Meningococcal infection									
Tuberculosis								2	
Grand Total	35	145 (151)		9	48 (58)		8	43 (45)	

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	1.6		1	
Hepatitis C (newly acquired)		1	1.4						
Hepatitis C (unspecified)		2 (1)	2.9	2	3 (4)	4.9		3	2.9
Enteric diseases									
Campylobacteriosis	1	6 (6)	7.2		3 (7)	4.9		5 (3)	5.8
Cryptosporidiosis									
Rotavirus		1	1.4						
STEC/VTEC infection									
Salmonellosis		3 (9)	2.9	1	2 (4)	3.3		4 (5)	2.9
Shigellosis		1 (6)	1.4		4 (1)	6.6	3	6 (2)	4.4
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	1	13 (13)	17.2	6	13 (27)	19.7	4	13 (22)	18.9
Gonorrhoea		4 (9)	5.7		6 (21)	9.9	2	7 (16)	8.7
Syphilis - Infectious								1	1.5
Syphilis - Non-Infectious		1	1.4						
Vaccine preventable diseases									
Influenza		1 (3)	1.4					1 (3)	1.5
Measles									
Mumps									
Pertussis	1	1	1.4					1 (4)	
Pneumococcal infection		2 (1)	2.9		1 (2)	1.6			
Varicella (chicken pox)									
Varicella (shingles)					1 (6)			1 (3)	1.5
Varicella (unspecified)	1	4	4.3		1	1.6		1	1.5
Vector-borne diseases									
Barmah Forest virus									
Dengue fever									
Malaria									
Ross River virus		1						1 (2)	1.5
Typhus									
Zoonotic diseases									
Q Fever		1	1.4						
Other diseases									
Legionellosis					1	1.6			
Meningococcal infection									
Tuberculosis		1						1	1.5
Grand Total	4	44 (48)		9	36 (72)		9	46 (60)	

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 (1)	0.0
Hepatitis B (unspecified)	2	3	5.0	13	31 (29)	0.7
Hepatitis C (newly acquired)				2	8 (6)	0.2
Hepatitis C (unspecified)	2	3 (1)	7.5	25	69 (80)	2.1
Enteric diseases						
Campylobacteriosis	1	2 (2)	5.0	50	239 (318)	6.5
Cryptosporidiosis		3 (2)	7.5	0	8 (48)	0.3
Rotavirus				1	28 (39)	0.7
STEC/VTEC infection				0	10 (3)	0.3
Salmonellosis	6	9 (10)	20.1	36	149 (215)	3.7
Shigellosis	1	13 (1)	27.6	6	28 (12)	0.8
Typhoid				1	1 (0)	0.0
Vibrio parahaemolyticus				1	4 (1)	0.1
Yersiniosis				1	1 (0)	0.0
Sexually transmissible infections						
Chlamydia (genital)	4	34 (50)	75.3	173	729 (882)	22.8
Gonorrhoea	1	29 (34)	60.2	44	191 (254)	5.9
Syphilis - Infectious	1	1 (6)	2.5	7	24 (22)	0.8
Syphilis - Non-Infectious				2	17 (5)	0.4
Vaccine preventable diseases						
Influenza		8 (2)	7.5	38	176 (130)	5.0
Measles				0	1 (7)	0.0
Mumps				0	1 (5)	0.0
Pertussis				6	78 (111)	1.7
Pneumococcal infection		1	2.5	0	10 (14)	0.4
Varicella (chicken pox)				2	23 (52)	0.5
Varicella (shingles)		4 (3)	7.5	14	102 (134)	2.9
Varicella (unspecified)				56	153 (112)	4.7
Vector-borne diseases						
Barmah Forest virus				0	1 (0)	0.0
Dengue fever				5	11 (30)	0.4
Malaria				0	1 (8)	0.0
Ross River virus				11	43 (140)	1.4
Typhus				3	4 (2)	0.1
Zoonotic diseases						
Q Fever				0	1 (1)	0.0
Other diseases						
Legionellosis				0	2 (6)	0.0
Meningococcal infection				0	6 (1)	0.1
Tuberculosis				2	14 (13)	0.0
Grand Total	18	110 (111)		499	2166 (2710)	

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

	Week Ending					Cumulative Total to end of Week 3	
	03/12	10/12	17/12	24/12	31/12	2018	2017
	Salmonella Total	51	43	38	26	18	102
Serotype/Phage							
Salmonella Aberdeen						0	0
Salmonella Agona		1				3	1
Salmonella Albany				1	1	1	0
Salmonella Anatum			1	1		0	0
Salmonella Birkenhead				1		0	0
Salmonella Bonn		1				0	0
Salmonella Bovismorbificans	3			1		0	3
Salmonella Bredeney			1			0	0
Salmonella Chester			1	1		0	3
Salmonella Choleraesuis bv Decatur		1				0	0
Salmonella Eastbourne	1	1				0	1
Salmonella Enteritidis	1		1	1		4	12
Salmonella Give						1	2
Salmonella Havana	1					0	0
Salmonella Hvittingfoss	3	1	2			1	2
Salmonella Infantis		1				1	5
Salmonella Javiana		1				1	1
Salmonella Johannesburg	1					0	1
Salmonella Kentucky						3	3
Salmonella Kiambu	1				1	0	2
Salmonella Kottbus						1	0
Salmonella Meleagridis					1	0	0
Salmonella Muenchen		1			1	0	3
Salmonella Newport		1	2			0	0
Salmonella Ohio				1		0	0
Salmonella Oranienburg						1	0
Salmonella Orientalis					2	0	0
Salmonella Orion						3	0
Salmonella Paratyphi B bv Java	2	2				1	3
Salmonella Potsdam		1				0	0
Salmonella Rissen						1	0
Salmonella Saintpaul	1		1	2	1	5	3
Salmonella Schwarzengrund	1					0	3
Salmonella Singapore			1			0	2
Salmonella Stanley	2	4	1	1		0	5
Salmonella Typhimurium	26	21	22	11	9	29	93
Salmonella Virchow	4	2	1	4		2	2
Salmonella Wandsworth	1		1			0	0
Salmonella Wangata	1					0	0
Salmonella Welikade		1				2	0
Salmonella Weltevreden	1		1			2	2
Salmonella species	1	3	2	1	2	40	8