



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 04-DEC-17 to 28-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 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	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	2		1	1		1			1	1	1	1	1.8	0.6
Hepatitis B (unspecified)	14	6	12	9	4	5	13	12	34	36	33	34	41.5	0.8
Hepatitis C (newly acquired)	6	1	2	3	1	2	3		6	9	10	6	11.1	0.5
Hepatitis C (unspecified)	26	17	18	10	10	24	24	30	88	88	62	88	76.1	1.2
Hepatitis D									0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	90	61	65	59	74	61	53	54	242	348	263	242	219.2	1.1
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis		1	2		4	4		1	9	61	30	9	32.1	0.3
Hepatitis A									0	1	3	0	1.9	0.0
Hepatitis E									0	1	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.6	0.0
Paratyphoid fever									0	1	3	0	1.2	0.0
Rotavirus	10	5	7	9	8	10	4	4	26	43	9	26	26.3	1.0
STEC/VTEC infection	1	3	1	3	7	1		1	9	7	3	9	1.6	5.6
Salmonellosis	42	42	34	49	40	27	47	32	146	254	183	146	150.1	1.0
Shigellosis	4	8	3	6	9	9	6	7	31	13	10	31	9.8	3.2
Typhoid	1	1						1	1	0	1	1	1.1	0.9
Vibrio parahaemolyticus		1	1	2	1			2	3	1	5	3	1.3	2.4
Yersiniosis	1							1	1	0	3	1	0.7	1.5
Sexually transmissible infections														
Chlamydia (genital)	200	217	226	101	203	266	214	146	829	953	924	829	881.1	0.9
Gonorrhoea	59	56	56	27	59	61	71	37	228	286	202	228	204.1	1.1
Syphilis - Infectious	6	5	6	3	6	11	7	3	27	26	29	27	14.9	1.8
Syphilis - Non-Infectious	3	5	2	6	1	8	2	4	15	10	4	15	7.4	2.0
Vaccine preventable diseases														
Influenza	55	75	47	40	52	49	60	32	193	141	116	193	115.7	1.7
Measles					1				1	6	0	1	2.5	0.4
Mumps	1		2		1		3		4	5	77	4	19.2	0.2
Pertussis	24	25	20	31	26	22	10	4	62	116	187	62	130.3	0.5
Pneumococcal infection	3	4	1		6	4	1	1	12	11	3	12	8.3	1.5
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Varicella (chicken pox)	6	8	7	9	8	6	6	5	25	53	27	25	29.3	0.9
Varicella (shingles)	55	35	20	22	35	39	36	8	118	162	135	118	115.9	1.0
Varicella (unspecified)	41	27	34	22	30	41	42	44	157	127	124	157	112.9	1.4
Vector-borne diseases														
Barmah Forest virus	2		2	1					0	0	2	0	21.0	0.0
Chikungunya									0	2	1	0	1.6	0.0
Dengue fever	1	3	1	1	1	4	7	1	13	30	54	13	44.3	0.3
Malaria	2				1			2	3	9	6	3	6.5	0.5
Ross River virus	12	15	5	6	15	14	12	13	54	150	42	54	125.7	0.4
Typhus			1	1	1		1		2	4	2	2	2.3	0.9
West Nile virus/Kunjin virus									0	0	0	0	0.0	0.0
Zika virus									0	0	5	0	0.4	0.0
Zoonotic diseases														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis									0	0	0	0	0.1	0.0
Psittacosis									0	1	0	0	0.4	0.0
Q Fever					1			1	2	1	0	2	0.3	6.0
Other diseases														
Creutzfeldt-Jakob disease									0	0	2	0	0.3	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.2	0.0
Legionellosis				1		2			2	3	2	2	5.5	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	2	2	3	1.3	2.3
Tuberculosis	4	9	1	11		1	2	1	4	7	7	4	10.7	0.4
Grand Total	676	631	577	436	607	673	628	443						

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	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1		1			1			1	0	1	1	1.4	0.7
Hepatitis B (unspecified)	9	5	8	6	4	4	9	8	25	33	26	25	31.3	0.8
Hepatitis C (newly acquired)	6	1	2	3	1	1	3		5	6	9	5	8.8	0.6
Hepatitis C (unspecified)	17	11	13	8	6	16	15	23	60	68	45	60	54.9	1.1
Hepatitis D									0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	75	45	47	46	52	46	41	45	184	283	212	184	171.0	1.1
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis			1		1	2			3	46	21	3	19.9	0.2
Hepatitis A									0	1	3	0	1.4	0.0
Hepatitis E									0	1	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.6	0.0
Paratyphoid fever									0	1	3	0	1.1	0.0
Rotavirus	10	5	7	9	7	8	2	4	21	36	8	21	20.7	1.0
STEC/VTEC infection	1	2	1	3	5	1		1	7	2	2	7	0.7	10.5
Salmonellosis	35	28	24	38	31	19	35	30	115	200	135	115	113.6	1.0
Shigellosis	3	1	2	1		2	2	2	6	0	5	6	4.3	1.4
Typhoid	1	1					1		1	0	1	1	0.9	1.2
Vibrio parahaemolyticus		1	1	2	1		2		3	1	5	3	1.2	2.5
Yersiniosis	1						1		1	0	3	1	0.6	1.7
Sexually transmissible infections														
Chlamydia (genital)	147	169	186	84	157	221	168	118	664	747	694	664	672.7	1.0
Gonorrhoea	36	28	34	15	31	41	55	25	152	179	124	152	122.5	1.2
Syphilis - Infectious	5	3	6	2	4	11	6	3	24	18	22	24	11.3	2.1
Syphilis - Non-Infectious	2	4	1	4	1	6	2	4	13	8	2	13	5.2	2.5
Vaccine preventable diseases														
Influenza	39	52	35	31	46	36	52	25	159	116	96	159	94.1	1.7
Measles					1				1	6	0	1	2.1	0.5
Mumps	1		2		1		3		4	4	1	4	3.1	1.3
Pertussis	16	15	15	21	18	15	8	4	45	91	123	45	95.1	0.5
Pneumococcal infection	1	2	1		2	3	1		6	10	1	6	4.1	1.5
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Varicella (chicken pox)	5	7	4	6	7	4	5	4	20	35	17	20	21.1	0.9
Varicella (shingles)	42	27	16	15	28	31	29	3	91	113	104	91	86.5	1.1
Varicella (unspecified)	36	25	30	22	28	36	39	40	143	117	109	143	100.5	1.4
Vector-borne diseases														
Barmah Forest virus	1		1	1					0	0	1	0	14.8	0.0
Chikungunya									0	1	1	0	1.4	0.0
Dengue fever		3	1		1	4	6	1	12	25	44	12	35.6	0.3
Malaria	1				1			2	3	8	4	3	5.7	0.5
Ross River virus	8	13	3	5	10	8	7	10	35	70	29	35	79.8	0.4
Typhus			1	1	1		1		2	2	2	2	1.7	1.2
Zika virus									0	0	4	0	0.3	0.0
Zoonotic diseases														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis									0	0	0	0	0.1	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	0.1	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.2	0.0
Legionellosis	2					1			1	1	0	1	3.8	0.3
Leprosy	1								0	0	0	0	0.2	0.0
Melioidosis									0	0	0	0	0.2	0.0
Meningococcal infection		1		3	1	1			2	2	1	2	0.9	2.1
Tuberculosis	3	8		8			2	1	3	7	6	3	9.1	0.3
Grand Total	505	457	443	334	446	518	495	353						

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)	4	10 (9)	1.3	2	6 (8)	0.9	2	9 (16)	1.2
Hepatitis C (newly acquired)					3 (5)	0.4		2 (1)	0.3
Hepatitis C (unspecified)	1	8 (10)	1.0	9	26 (28)	3.8	13	26 (30)	3.5
Enteric diseases									
Campylobacteriosis	16	65 (114)	8.5	17	65 (76)	9.5	12	54 (93)	7.3
Cryptosporidiosis		1 (12)	0.1		1 (19)	0.1		1 (15)	0.1
Rotavirus	3	9 (9)	1.2	1	7 (10)	1.0		5 (17)	0.7
STEC/VTEC infection		3 (1)	0.4	1	3 (1)	0.4		1	0.1
Salmonellosis	11	44 (66)	5.7	13	41 (65)	6.0	6	30 (69)	4.1
Shigellosis	1	1	0.1	1	3	0.4		2	0.3
Typhoid		1	0.1						
Vibrio parahaemolyticus					3	0.4			
Yersiniosis								1	0.1
Sexually transmissible infections									
Chlamydia (genital)	43	237 (250)	30.8	39	204 (238)	29.8	36	223 (259)	30.2
Gonorrhoea	8	35 (51)	4.6	4	40 (51)	5.8	13	77 (77)	10.4
Syphilis - Infectious	1	10 (3)	1.3		4 (4)	0.6	2	10 (11)	1.4
Syphilis - Non-Infectious		5 (2)	0.7	1	2 (3)	0.3	3	6 (3)	0.8
Vaccine preventable diseases									
Influenza	9	66 (38)	8.6	8	49 (39)	7.1	8	44 (39)	6.0
Measles		1	0.1						
Mumps					1	0.1		3 (3)	0.4
Pertussis	2	22 (38)	2.9	1	13 (23)	1.9	1	10 (30)	1.4
Pneumococcal infection		2 (1)	0.3		1 (3)	0.1		3 (6)	0.4
Varicella (chicken pox)	2	11 (11)	1.4	1	5 (11)	0.7	1	4 (13)	0.5
Varicella (shingles)	1	31 (51)	4.0		30 (30)	4.4	2	30 (32)	4.1
Varicella (unspecified)	17	51 (45)	6.6	16	61 (38)	8.9	7	31 (34)	4.2
Vector-borne diseases									
Dengue fever		5 (5)	0.7	1	4 (9)	0.6		3 (11)	0.4
Malaria	1	1 (3)	0.1	1	1 (3)	0.1		1 (2)	0.1
Ross River virus	2	3 (22)	0.4	4	16 (25)	2.3	4	16 (23)	2.2
Typhus					2 (1)	0.3			
Zoonotic diseases									
Q Fever									
Other diseases									
Legionellosis		1	0.1						
Meningococcal infection					2	0.3			
Tuberculosis	1	2 (2)	0.3		1 (3)	0.1			
Grand Total	123	625 (743)		120	595 (693)		110	592 (784)	

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)									
Hepatitis B (unspecified)		2	1.1						
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	2	10 (4)	5.3	1	4 (4)	6.4	1	1 (3)	1.3
Enteric diseases									
Campylobacteriosis	2	25 (25)	13.3	2	8 (6)	12.8	1	5 (12)	6.3
Cryptosporidiosis	1	3 (1)	1.6						
Rotavirus		1 (1)	0.5					2 (2)	2.5
STEC/VTEC infection					2	3.2			
Salmonellosis		7 (9)	3.7		2 (5)	3.2		2 (4)	2.5
Shigellosis									
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	6	32 (43)	17.0	5	20 (19)	32.1	2	10 (10)	12.7
Gonorrhoea	2	11 (6)	5.9					1 (1)	1.3
Syphilis - Infectious		1 (2)	0.5						
Syphilis - Non-Infectious		1	0.5						
Vaccine preventable diseases									
Influenza	2	15 (4)	8.0		2 (4)	3.2	1	5 (2)	6.3
Measles									
Mumps									
Pertussis		7 (12)	3.7		4 (5)	6.4		3 (1)	3.8
Pneumococcal infection					1	1.6			
Varicella (chicken pox)		1 (4)	0.5		1 (1)	1.6		1	1.3
Varicella (shingles)	4	17 (15)	9.0		1 (6)	1.6		2 (9)	2.5
Varicella (unspecified)	1	1 (3)	0.5	2	5	8.0		1	1.3
Vector-borne diseases									
Dengue fever									
Malaria									
Ross River virus									
Typhus	3	13 (44)	6.9		2 (12)	3.2		3 (7)	3.8
Zoonotic diseases									
Q Fever							1	1 (1)	1.3
Other diseases									
Legionellosis									
Meningococcal infection									
Tuberculosis									
Grand Total	23	147 (173)		10	52 (62)		6	37 (52)	

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	3	4.9	1	1	1.5
Hepatitis C (newly acquired)		1 (1)	1.4						
Hepatitis C (unspecified)	1	3 (5)	4.3	2	5 (2)	8.2		2	2.9
Enteric diseases									
Campylobacteriosis		5 (6)	7.2		3 (4)	4.9	2	6 (4)	8.7
Cryptosporidiosis									
Rotavirus		1 (2)	1.4		1	1.6			
STEC/VTEC infection									
Salmonellosis		4 (8)	5.7	1	3 (7)	4.9		2 (8)	2.9
Shigellosis		1 (8)	1.4		4	6.6	1	5 (2)	7.3
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	2	17 (14)	24.3	2	18 (29)	29.6	4	21 (28)	30.6
Gonorrhoea	1	6 (10)	8.6	2	9 (19)	14.8	2	8 (20)	11.7
Syphilis - Infectious								1	1.5
Syphilis - Non-Infectious		1	1.4						
Vaccine preventable diseases									
Influenza		1 (3)	1.4	1	2 (2)	3.3		1 (2)	1.5
Measles									
Mumps									
Pertussis		1	1.4						
Pneumococcal infection		2	2.9	1	2 (1)	3.3			
Varicella (chicken pox)				1	1	1.6			
Varicella (shingles)								1 (3)	1.5
Varicella (unspecified)	1	4 (1)	5.7		1	1.6		1	1.5
Vector-borne diseases									
Dengue fever								1	1.5
Malaria									
Ross River virus								1 (1)	1.5
Typhus									
Zoonotic diseases									
Q Fever		1	1.4						
Other diseases									
Legionellosis								1	1.5
Meningococcal infection					1	1.6			
Tuberculosis								1	1.5
Grand Total	5	48 (58)		12	53 (64)		10	53 (68)	

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 (1)	0.0
Hepatitis B (unspecified)	1	3 (1)	7.5	12	34 (36)	1.1
Hepatitis C (newly acquired)				0	6 (9)	0.2
Hepatitis C (unspecified)		3 (2)	7.5	30	88 (88)	3.2
Enteric diseases						
Campylobacteriosis	2	4 (2)	10.0	54	242 (348)	8.8
Cryptosporidiosis		3 (3)	7.5	1	9 (61)	0.3
Rotavirus				4	26 (43)	0.9
STEC/VTEC infection				1	9 (7)	0.3
Salmonellosis		8 (10)	20.1	32	146 (254)	5.3
Shigellosis	3	14	35.1	7	31 (13)	1.1
Typhoid				0	1 (0)	0.0
Vibrio parahaemolyticus				0	3 (1)	0.1
Yersiniosis				0	1 (0)	0.0
Sexually transmissible infections						
Chlamydia (genital)	6	42 (56)	105.4	146	829 (953)	30.0
Gonorrhoea	3	33 (46)	82.8	37	228 (286)	8.3
Syphilis - Infectious		1 (5)	2.5	3	27 (26)	1.0
Syphilis - Non-Infectious				4	15 (10)	0.4
Vaccine preventable diseases						
Influenza	3	6 (3)	15.1	32	193 (141)	7.0
Measles				0	1 (6)	0.0
Mumps				0	4 (5)	0.1
Pertussis				4	62 (116)	2.2
Pneumococcal infection		1	2.5	1	12 (11)	0.4
Varicella (chicken pox)		1 (3)	2.5	5	25 (53)	0.9
Varicella (shingles)		4 (4)	10.0	8	118 (162)	4.3
Varicella (unspecified)				44	157 (127)	5.7
Vector-borne diseases						
Dengue fever				1	13 (30)	0.5
Malaria				2	3 (9)	0.1
Ross River virus				13	54 (150)	2.0
Typhus				0	2 (4)	0.1
Zoonotic diseases						
Q Fever				1	2 (1)	0.1
Other diseases						
Legionellosis				0	2 (3)	0.1
Meningococcal infection				0	3 (2)	0.1
Tuberculosis				1	4 (7)	0.0
Grand Total	18	123 (135)		443	2351 (3004)	

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

	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	2018	2017
	Salmonella Total	42	42	34	49	40	27	47	32	146
Serotype/Phage										
Salmonella Aberdeen				1			1		1	0
Salmonella Agona	1				3		1		4	1
Salmonella Albany			1	1		1			1	0
Salmonella Anatum		1	1				1		1	0
Salmonella Birkenhead			1						0	0
Salmonella Bonn	1								0	0
Salmonella Bovismorbificans			1						0	3
Salmonella Bredeney		1							0	0
Salmonella Chester		1	1	1					0	3
Salmonella Choleraesuis bv Decatur	1								0	0
Salmonella Corvallis							1		1	0
Salmonella Eastbourne	1			1					0	1
Salmonella Enteritidis		1	1	2	4	1	2	1	8	14
Salmonella Give				1		1			1	3
Salmonella Hvittingfoss	1	2				2	2		4	3
Salmonella Infantis	1				1				1	6
Salmonella Javiana	1				1				1	1
Salmonella Kentucky		1			1	1	1	1	4	3
Salmonella Kiambu				1					0	2
Salmonella Kottbus					1				1	0
Salmonella Lindern						1			1	0
Salmonella Meleagridis				1					0	1
Salmonella Muenchen	1			1			2		2	4
Salmonella Newport	1	2							0	0
Salmonella Ohio			1						0	0
Salmonella Oranienburg						1			1	0
Salmonella Orientalis				2					0	0
Salmonella Orion					1	2			3	0
Salmonella Paratyphi B bv Java	2			2	1	1			2	5
Salmonella Potsdam	1								0	0
Salmonella Rissen		1			1				1	0
Salmonella Saintpaul		1	2	2	5		1		6	3
Salmonella Singapore		1							0	5
Salmonella Stanley	4	1	1						0	8
Salmonella Typhimurium	20	24	17	29	16	12	21		49	149
Salmonella Virchow	2	1	4		1	1			2	2
Salmonella Wandsworth		1							0	0
Salmonella Welikade	1				1	1			2	0
Salmonella Weltevreden		1			1	1			2	2
Salmonella species	3	2	3	4	2	1	14	30	47	14