



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 25-DEC-20 to 18-FEB-21

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 7			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	31/12	07/01	14/01	21/01	28/01	04/02	11/02	18/02	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)						1		1	2	0	9	2	1.3	1.6
Hepatitis B (unspecified)	2	2	12	5	9	4	8	6	46	61	60	27	36.3	0.7
Hepatitis C (newly acquired)				1	2			1	4	9	11	3	8.1	0.4
Hepatitis C (unspecified)	15	8	25	22	16	10	23	27	131	107	113	76	73.9	1.0
Hepatitis D									0	0	2	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	61	94	80	60	57	63	43	18	415	526	466	181	263.1	0.7
Cryptosporidiosis	1	3	3	1	1	3	2		13	193	26	6	48.9	0.1
Hepatitis A									0	2	9	0	2.0	0.0
Hepatitis E									0	2	2	0	0.4	0.0
Listeriosis			1						1	0	5	0	0.7	0.0
Paratyphoid fever									0	0	4	0	1.2	0.0
Rotavirus	5	1	3	3	1			2	10	41	37	3	23.2	0.1
STEC/VTEC infection	4	4	2	6	2		3		17	31	18	5	8.5	0.6
Salmonellosis	27	27	29	34	23	24	18	7	162	366	329	72	209.2	0.3
Shigellosis	6	2		1	3	3	2		11	72	85	8	25.7	0.3
Typhoid					1				1	1	8	1	1.7	0.6
Vibrio parahaemolyticus					1	1			2	1	7	2	2.3	0.9
Yersiniosis	1		1		1		1		3	3	0	2	1.0	2.0
Sexually transmissible infections														
Chancroid				1					1	0	0	0	0.0	0.0
Chlamydia (genital)	84	180	251	241	168	167	242	67	1316	1755	1839	644	954.7	0.7
Gonorrhoea	21	47	54	58	45	46	48	5	303	638	663	144	301.9	0.5
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	6	15	15	21	20	21	21	8	121	97	93	70	36.7	1.9
Syphilis - Non-Infectious		2	3	5	3	2	2	7	24	29	25	14	14.5	1.0
Vaccine preventable diseases														
H. influenzae type b									0	1	0	0	0.1	0.0
Influenza	3		1		1	2	2	1	7	747	904	6	284.8	0.0
Measles									0	4	13	0	2.5	0.0
Mumps									0	3	3	0	20.1	0.0
Pertussis	1			1	1		2	1	5	60	108	4	84.3	0.0
Pneumococcal infection	5	3	1	2		1	1	1	9	17	14	3	8.3	0.4
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Tetanus									0	0	0	0	0.1	0.0
Varicella (chicken pox)	6	5	7	4	4	6	4	4	34	84	80	18	42.8	0.4
Varicella (shingles)	39	59	62	47	49	57	35	12	321	335	308	153	167.6	0.9
Varicella (unspecified)	29	28	35	34	33	28	49	40	247	188	185	150	121.6	1.2
Vector-borne diseases														
Barmah Forest virus				1		1		1	3	3	3	2	2.1	0.9
Chikungunya									0	4	0	0	0.9	0.0
Dengue fever									0	30	47	0	26.9	0.0
Malaria				1	1				2	14	3	1	5.7	0.2
Ross River virus	11	25	25	17	8	13	20	16	124	48	73	57	66.1	0.9
Typhus	1		2		1	1			4	9	0	2	2.1	1.0
Zoonotic diseases														
Leptospirosis				1					1	0	2	0	0.3	0.0
Q Fever									0	0	1	0	0.7	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis									0	0	2	0	1.1	0.0
COVID-19	15	6	11	7	9	3	3		39	1	0	15	12.1	1.2
Creutzfeldt-Jakob disease									0	0	0	0	0.7	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.3	0.0
Legionellosis		1		1	1		2	1	6	6	3	4	3.0	1.3
Leprosy									0	0	0	0	0.3	0.0
Melioidosis							1		1	1	1	1	0.5	1.9
Meningococcal infection			2						2	2	4	0	2.2	0.0
Tuberculosis	2	3	3	5	1	1	4		17	17	12	6	11.3	0.5
Grand Total	345	515	628	580	462	458	536	226						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 7			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	31/12	07/01	14/01	21/01	28/01	04/02	11/02	18/02	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)						1		1	2	0	6	2	0.9	2.1
Hepatitis B (unspecified)	1	2	10	2	7	3	5	4	33	53	51	19	30.7	0.6
Hepatitis C (newly acquired)				1	2				3	6	6	2	6.2	0.3
Hepatitis C (unspecified)	10	4	18	16	14	9	14	23	98	73	82	60	52.9	1.1
Hepatitis D									0	0	2	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	52	80	66	53	48	51	26	17	341	431	380	142	211.3	0.7
Cryptosporidiosis	1	3	3	1			2	1	10	176	19	3	39.6	0.1
Hepatitis A									0	2	9	0	1.9	0.0
Hepatitis E									0	2	2	0	0.4	0.0
Listeriosis									0	0	5	0	0.6	0.0
Paratyphoid fever									0	0	4	0	1.1	0.0
Rotavirus	4	1	2	3	1			2	9	36	35	3	19.3	0.2
STEC/VTEC infection	3	3	2	4	1			3	13	24	15	4	5.7	0.7
Salmonellosis	20	19	23	29	14	17	10	3	115	278	268	44	162.9	0.3
Shigellosis	3	1				1	1		3	45	56	2	13.3	0.2
Typhoid									0	1	8	0	1.6	0.0
Vibrio parahaemolyticus					1	1			2	1	6	2	2.2	0.9
Yersiniosis	1		1		1		1		3	3	0	2	0.9	2.3
Sexually transmissible infections														
Chlamydia (genital)	66	145	202	184	129	131	194	62	1047	1382	1411	516	738.0	0.7
Gonorrhoea	11	24	37	29	29	26	31	5	181	448	482	91	205.9	0.4
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	3	9	10	11	8	10	18	5	71	58	59	41	25.2	1.6
Syphilis - Non-Infectious			2	2	4	3	1	5	18	26	19	10	12.0	0.8
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.0	0.0
Influenza	3		1		1	2	1	1	6	650	667	5	222.6	0.0
Measles									0	4	8	0	2.0	0.0
Mumps									0	3	2	0	1.6	0.0
Pertussis	1			1	1			1	3	49	83	2	62.0	0.0
Pneumococcal infection	3	1					1	1	4	8	10	3	4.4	0.7
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Tetanus									0	0	0	0	0.0	0.0
Varicella (chicken pox)	6	3	4	4	4	5	1	3	24	54	62	13	30.3	0.4
Varicella (shingles)	25	39	41	33	35	46	29	8	231	247	215	118	120.1	1.0
Varicella (unspecified)	27	27	30	33	31	24	43	40	228	182	180	138	114.9	1.2
Vector-borne diseases														
Barmah Forest virus								1	1	1	0	1	0.3	3.0
Chikungunya									0	0	0	0	0.5	0.0
Dengue fever									0	23	45	0	22.6	0.0
Malaria					1				1	10	3	1	4.9	0.2
Ross River virus	3	9	8	8	5	5	10	11	56	29	57	31	37.5	0.8
Typhus					1				1	6	0	1	1.3	0.8
Zoonotic diseases														
Leptospirosis									0	0	2	0	0.3	0.0
Q Fever									0	0	0	0	0.2	0.0
Other diseases														
COVID-19	6	2	6	2	4	1	1		16	0	0	6	10.4	0.6
Creutzfeldt-Jakob disease									0	0	0	0	0.4	0.0
Legionellosis			1		1		2		4	3	2	3	2.1	1.5
Leprosy									0	0	0	0	0.1	0.0
Meningococcal infection				1					1	1	1	0	1.4	0.0
Tuberculosis	2	3	3	5	1		3		15	16	11	4	10.3	0.4
Grand Total	251	378	470	423	343	337	397	192						

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	0.2		1	0.1
Hepatitis B (unspecified)	1	7 (9)	1.4		1 (7)	0.8	3	11 (14)	2.5
Hepatitis C (newly acquired)					1 (1)	0.2		1 (3)	0.3
Hepatitis C (unspecified)	3	9 (8)	2.5	14	21 (21)	5.1	6	30 (16)	6.3
Enteric diseases									
Campylobacteriosis	8	47 (86)	15.9	4	51 (75)	17.5	5	44 (76)	14.8
Cryptosporidiosis					3 (25)	0.8		(37)	0.7
Listeriosis									
Rotavirus	1	1 (5)	0.4		(7)	0.3	1	2 (9)	0.5
STEC/VTEC infection		2 (9)	1.0		1 (3)	0.2		1 (5)	0.7
Salmonellosis		17 (68)	5.0		10 (42)	4.5	3	17 (69)	6.6
Shigellosis					1 (3)	0.2		1 (11)	0.3
Vibrio parahaemolyticus		1	0.1		1	0.2			
Yersiniosis		1	0.3					1	0.1
Sexually transmissible infections									
Chlamydia (genital)	22	166 (263)	44.4	15	142 (290)	45.2	25	208 (295)	57.8
Gonorrhoea	3	29 (57)	7.9	1	28 (79)	7.4	1	34 (100)	10.2
Syphilis - Infectious		11 (10)	2.0	1	14 (12)	3.5	4	16 (15)	4.5
Syphilis - Non-Infectious		2 (3)	0.5		2 (3)	0.9	5	6 (7)	1.1
Vaccine preventable diseases									
Influenza	1	3 (167)	0.4		1 (107)	0.2		1 (120)	0.3
Pertussis		1 (6)	0.1		(12)	0.2		1 (3)	0.1
Pneumococcal infection		(1)	0.1				1	3	0.4
Varicella (chicken pox)		7 (11)	1.4	1	3 (9)	1.5	2	3 (9)	0.5
Varicella (shingles)	4	45 (40)	12.4	3	37 (55)	11.5	1	36 (39)	8.8
Varicella (unspecified)	18	48 (42)	10.9	11	50 (40)	13.1	11	40 (26)	8.4
Vector-borne diseases									
Barmah Forest virus				1	1	0.2			
Malaria								1 (4)	0.1
Ross River virus	3	12 (2)	2.5	4	11 (5)	3.5	4	8 (6)	2.1
Typhus								1 (1)	0.1
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19		2	0.7		1	0.5		3	1.1
Legionellosis		1 (2)	0.1		2	0.5			
Melioidosis									
Meningococcal infection									0.1
Tuberculosis		1 (6)	0.5		2 (2)	0.8		1 (4)	0.8
Grand Total	64	413 (795)		56	385 (798)		72	471 (869)	

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)		3 (1)	2.2	2		3.3	1	2 (1)	4.0
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	1	2 (9)	3.8	1 (5)		3.3		3 (4)	5.3
Enteric diseases									
Campylobacteriosis		9 (15)	14.2	5 (4)		19.6		5 (9)	8.0
Cryptosporidiosis		1 (4)	0.5						
Listeriosis			0.5						
Rotavirus						1.6			
STEC/VTEC infection		(4)	1.1	1 (1)		1.6			
Salmonellosis	1	4 (16)	6.0	1 (1)		1.6	1	3 (5)	8.0
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	1	31 (52)	40.5	1	9 (20)	29.4		7 (7)	28.0
Gonorrhoea		3 (11)	2.7					1 (1)	6.7
Syphilis - Infectious	1	1 (1)	2.2						1.3
Syphilis - Non-Infectious							1	1	2.7
Vaccine preventable diseases									
Influenza									
Pertussis	1	1 (5)	0.5					1	1.3
Pneumococcal infection								(1)	2.7
Varicella (chicken pox)		2 (4)	2.2	2		3.3	1	1 (2)	1.3
Varicella (shingles)	3	21 (22)	23.0	1	5 (8)	29.4		2 (4)	20.0
Varicella (unspecified)								3 (1)	5.3
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus	2	9 (2)	15.9	3	12 (1)	40.8		1 (1)	4.0
Typhus					1	1.6			
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19									
Legionellosis							1	1	1.3
Melioidosis									
Meningococcal infection									
Tuberculosis					1	1.6			
Grand Total	10	87 (146)		5	40 (40)		5	31 (36)	

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)							1	1	5.0
Hepatitis B (unspecified)									
Hepatitis C (newly acquired)	1	1 (1)	1.7						
Hepatitis C (unspecified)	1	2 (1)	6.6	1	1 (2)	9.7	1	3 (2)	6.7
Enteric diseases									
Campylobacteriosis	1	6 (3)	14.9		2 (3)	7.7		9 (4)	16.7
Cryptosporidiosis									
Listeriosis									
Rotavirus									
STEC/VTEC infection						1.9			
Salmonellosis	1	2 (4)	3.3		2 (6)	7.7	1	9 (7)	15.1
Shigellosis		2 (4)	3.3		1	1.9		(3)	1.7
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	3	22 (23)	63.0		15 (40)	52.1		16 (27)	67.0
Gonorrhoea		3 (6)	16.6		15 (17)	54.1		7 (20)	38.5
Syphilis - Infectious		3	8.3		3 (2)	9.7	1	10 (5)	23.4
Syphilis - Non-Infectious		1	1.7	1	1 (1)	1.9		1	1.7
Vaccine preventable diseases									
Influenza									
Pertussis									
Pneumococcal infection									1.7
Varicella (chicken pox)		(1)	3.3		(3)	1.9			
Varicella (shingles)		(3)	1.7		3 (1)	7.7		2 (3)	8.4
Varicella (unspecified)		3 (2)	6.6		2	5.8		2	3.3
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus		1	1.7		1	13.5			
Typhus									3.3
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19									
Legionellosis									
Melioidosis									
Meningococcal infection									
Tuberculosis									
Grand Total	7	46 (48)		2	46 (75)		4	60 (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)				1	2 (0)	0.1
Hepatitis B (unspecified)		(1)	2.9	6	27 (35)	1.7
Hepatitis C (newly acquired)				1	3 (7)	0.2
Hepatitis C (unspecified)		4 (1)	20.1	27	76 (69)	4.8
Enteric diseases						
Campylobacteriosis		(5)	8.6	18	181 (285)	15.7
Cryptosporidiosis		2	5.7	0	6 (133)	0.5
Listeriosis				0	0 (0)	0.0
Rotavirus				2	3 (23)	0.4
STEC/VTEC infection				0	5 (23)	0.6
Salmonellosis		6 (9)	37.3	7	72 (230)	6.1
Shigellosis		3 (8)	11.5	0	8 (36)	0.4
Vibrio parahaemolyticus				0	2 (0)	0.1
Yersiniosis				0	2 (0)	0.1
Sexually transmissible infections						
Chlamydia (genital)		23 (47)	123.5	67	644*****	49.6
Gonorrhoea		24 (39)	143.6	5	144 (338)	11.4
Syphilis - Infectious		11 (10)	57.4	8	70 (59)	4.6
Syphilis - Non-Infectious			2.9	7	14 (14)	0.7
Vaccine preventable diseases						
Influenza		1 (2)	2.9	1	6 (444)	0.3
Pertussis				1	4 (29)	0.2
Pneumococcal infection		(3)	5.7	1	3 (11)	0.3
Varicella (chicken pox)				4	18 (45)	1.3
Varicella (shingles)		2 (3)	11.5	12	153 (181)	12.1
Varicella (unspecified)		1	2.9	40	150 (111)	9.3
Vector-borne diseases						
Barmah Forest virus		1	5.7	1	2 (2)	0.1
Malaria				0	1 (9)	0.1
Ross River virus		1 (3)	5.7	16	57 (22)	4.7
Typhus				0	2 (6)	0.2
Zoonotic diseases						
Leptospirosis			2.9	0	0 (0)	0.0
Other diseases						
COVID-19				0	15 (1)	1.6
Legionellosis			2.9	1	4 (4)	0.2
Melioidosis		1	2.9	0	1 (0)	0.0
Meningococcal infection			2.9	0	0 (1)	0.1
Tuberculosis				0	6 (13)	0.3
Grand Total		80 (131)		226	1682 (3230)	

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

	Week Ending								Cumulative Total to end of Week 7	
	31/12	07/01	14/01	21/01	28/01	04/02	11/02	18/02	2021	2020
	Salmonella Total	27	27	29	34	23	24	18	7	162
Serotype/Phage										
Salmonella Adelaide		2							2	1
Salmonella Anatum		1							1	3
Salmonella Bareilly						1			1	1
Salmonella Bovismorbificans		1							1	3
Salmonella Chester				1					1	8
Salmonella Choleraesuis bv Australia	1			1					1	5
Salmonella Choleraesuis bv Decatur			4			1			5	3
Salmonella Eastbourne					1		1		2	1
Salmonella Fremantle subsp II	1	1							1	2
Salmonella Give			1			1			2	0
Salmonella Havana							1		1	0
Salmonella Hessarek	1								0	1
Salmonella Hvittingfoss			1			1			2	1
Salmonella Infantis				1			1		2	4
Salmonella Kiambu							1		1	0
Salmonella Kottbus		1							1	0
Salmonella Lansing				1					1	0
Salmonella Muenchen					2				2	12
Salmonella Newport							2		2	4
Salmonella Oranienburg			1						1	0
Salmonella Orion	1								0	0
Salmonella Potsdam			2	1	1				4	0
Salmonella Richmond		1							1	0
Salmonella Rissen	1		1	1					2	2
Salmonella Rubislaw		1							1	0
Salmonella Saintpaul	2	2				1	1		4	13
Salmonella Senftenberg	4		1				1		2	0
Salmonella Stanley	1								0	3
Salmonella Tennessee			1						1	0
Salmonella Typhimurium	14	15	13	23	18	16	4	1	90	190
Salmonella Urbana						1			1	0
Salmonella Virchow			1	1	1				3	5
Salmonella Wandsbek subsp II								1	1	1
Salmonella Zanzibar			1						1	0
Salmonella species	1	2	2	3		2	6	5	20	25
Salmonella subsp I ser 16:i,v:-				1					1	0