



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 19-FEB-21 to 15-APR-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 15			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	25/02	04/03	11/03	18/03	25/03	01/04	08/04	15/04	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	13	7	139	5	8	10	5	6	239	131	136	29	39.4	0.7
Hepatitis C (newly acquired)	1	3	1	2					17	22	25	0	9.2	0.0
Hepatitis C (unspecified)	27	18	78	19	23	17	9	22	337	239	270	71	76.9	0.9
Hepatitis D	1		1						2	0	6	0	0.5	0.0
Enteric diseases														
Campylobacteriosis	46	54	53	48	58	43	41	15	818	867	904	157	209.5	0.7
Cryptosporidiosis	2	2	3	3	2	1	1		31	425	75	4	40.7	0.1
Listeriosis									1	1	5	0	0.2	0.0
Rotavirus	2	1	5	5	4	2	2	1	38	79	78	9	23.3	0.4
STEC/VTEC infection	2	2		2	4	1			32	54	54	5	6.8	0.7
Salmonellosis	28	22	32	37	31	26	14	4	380	655	710	75	197.1	0.4
Shigellosis	3	1	1	1	4	1	1		23	119	144	6	17.2	0.3
Typhoid									1	3	11	0	0.9	0.0
Vibrio parahaemolyticus			1						3	2	8	0	1.6	0.0
Yersiniosis	1		1	1		1			8	4	0	1	0.7	1.4
Sexually transmissible infections														
Chancroid									1	0	0	0	0.0	0.0
Chlamydia (genital)	241	221	236	203	219	204	153	64	3058	3372	3734	640	904.1	0.7
Gonorrhoea	51	62	46	62	62	49	39	8	754	1247	1286	158	281.8	0.6
Syphilis (congenital)					1		1	1	3	0	1	3	0.1	45.0
Syphilis - Infectious	25	17	18	24	23	25	11	5	266	201	180	64	32.9	1.9
Syphilis - Non-Infectious	3		3	1	3	2	3	4	50	61	69	12	14.3	0.8
Vaccine preventable diseases														
Influenza	2					1		1	11	1136	1832	2	260.5	0.0
Mumps			1						1	7	8	0	16.9	0.0
Pertussis		1			1				9	91	213	1	61.9	0.0
Pneumococcal infection	1	1	2	1	2		1		18	34	36	3	9.7	0.3
Rubella (non-congenital)	1								1	0	1	0	0.2	0.0
Varicella (chicken pox)	4	7	9	15	11	8	3	1	107	134	187	23	39.1	0.6
Varicella (shingles)	49	54	68	53	54	44	39	8	765	700	663	145	162.3	0.9
Varicella (unspecified)	33	30	36	50	52	39	44	23	525	396	415	158	114.8	1.4
Vector-borne diseases														
Barmah Forest virus							1		5	9	4	1	3.1	0.3
Malaria		1				1			4	24	17	1	3.9	0.3
Ross River virus	9	14	8	15	5	6	6	4	236	115	148	21	68.8	0.3
Typhus	1		2						6	11	2	0	1.9	0.0
Zoonotic diseases														
Leptospirosis		1							2	0	3	0	0.3	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis								1	1	1	4	1	0.4	2.5
COVID-19	3	2	8	7	3	11	8	11	93	545	0	33	39.2	0.8
Creutzfeldt-Jakob disease					1				1	1	1	1	0.8	1.3
Legionellosis	1	3	1		1		1		12	17	10	2	3.9	0.5
Melioidosis									1	4	1	0	0.7	0.0
Meningococcal infection	1								3	3	8	0	1.2	0.0
Tuberculosis	1	4	1	1	3	3	3	4	35	39	31	13	9.2	1.4
Grand Total	552	528	754	555	575	495	386	183						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 15			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	25/02	04/03	11/03	18/03	25/03	01/04	08/04	15/04	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	9	6	93	4	6	9	3	6	168	112	115	24	32.4	0.7
Hepatitis C (newly acquired)	1	3	1	2					16	18	17	0	7.0	0.0
Hepatitis C (unspecified)	19	12	48	14	18	15	5	17	240	172	180	55	53.7	1.0
Hepatitis D	1		1						2	0	6	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	36	43	42	36	44	31	30	12	647	700	746	117	167.3	0.7
Cryptosporidiosis			1				1		12	376	37	1	28.4	0.0
Rotavirus	2	1	5	4	4	2	1	1	35	66	68	8	15.3	0.5
STEC/VTEC infection	1	1		1	4	1			24	43	39	5	5.3	0.9
Salmonellosis	18	13	22	32	25	19	7	2	271	492	565	53	149.1	0.4
Shigellosis	1						1		5	67	95	1	8.2	0.1
Vibrio parahaemolyticus			1						3	2	7	0	1.4	0.0
Yersiniosis				1		1			6	4	0	1	0.5	1.9
Sexually transmissible infections														
Chlamydia (genital)	199	184	190	157	175	164	115	52	2435	2616	2883	506	702.5	0.7
Gonorrhoea	27	38	29	33	43	31	30	3	445	884	930	107	194.1	0.6
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	12	7	11	14	12	16	6	3	147	119	100	37	21.7	1.7
Syphilis - Non-Infectious	3		2	1	2	1	2	2	38	50	49	7	11.6	0.6
Vaccine preventable diseases														
Influenza	1								7	918	1297	0	192.1	0.0
Pertussis		1			1				8	71	159	1	43.4	0.0
Pneumococcal infection	1		1				1		7	15	23	1	5.1	0.2
Rubella (non-congenital)	1								1	0	1	0	0.2	0.0
Varicella (chicken pox)	2	5	6	14	9	4	2	1	80	89	135	16	29.1	0.5
Varicella (shingles)	37	37	51	41	40	35	21	7	549	505	480	103	116.0	0.9
Varicella (unspecified)	30	28	35	46	50	36	37	20	492	379	400	143	108.6	1.3
Vector-borne diseases														
Barmah Forest virus									1	1	1	0	0.7	0.0
Malaria		1				1			3	18	16	1	3.1	0.3
Ross River virus	7	7	5	9	2	4	3	1	124	54	109	10	36.3	0.3
Zoonotic diseases														
Leptospirosis			1						1	0	2	0	0.1	0.0
Other diseases														
COVID-19	1	1	5	1	2	9	3	4	43	367	0	18	26.6	0.7
Creutzfeldt-Jakob disease					1				1	1	1	1	0.5	1.9
Legionellosis	1	1			1		1		8	7	9	2	2.6	0.8
Meningococcal infection									1	1	3	0	0.6	0.0
Tuberculosis	1	2	1	1	3	3	3	4	31	37	28	13	8.3	1.6
Grand Total	411	392	550	411	442	382	272	135						

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)						0.2		(2)	0.1
Hepatitis B (unspecified)	2	7 (9)	6.7	1	7 (4)	8.1	3	10 (13)	8.9
Hepatitis C (newly acquired)					(1)	0.6		(3)	1.6
Hepatitis C (unspecified)	1	10 (5)	5.6	7	19 (17)	13.4	9	26 (12)	15.1
Hepatitis D			0.1						0.1
Enteric diseases									
Campylobacteriosis	2	43 (26)	31.3	5	35 (21)	31.8	5	39 (32)	28.3
Cryptosporidiosis		(32)	0.1		(15)	0.8		1 (10)	0.8
Listeriosis									
Rotavirus		1 (6)	1.8		3 (3)	1.2	1	4 (4)	1.9
STEC/VTEC infection		(3)	1.1		4	0.9		1 (9)	1.4
Salmonellosis	1	20 (20)	13.2	1	13 (19)	10.5		20 (25)	14.3
Shigellosis		1 (2)	0.1		(2)	0.3		(1)	0.3
Vibrio parahaemolyticus			0.1			0.2			0.1
Yersiniosis			0.1			0.3		1	0.4
Sexually transmissible infections									
Chlamydia (genital)	21	156 (167)	103.8	20	146 (140)	104.9	11	204 (172)	134.1
Gonorrhoea	1	26 (68)	18.1	1	24 (56)	17.6	1	57 (69)	26.8
Syphilis (congenital)									
Syphilis - Infectious		9 (10)	3.1	1	9 (6)	7.4	2	19 (14)	10.3
Syphilis - Non-Infectious	2	2 (2)	1.5			1.5		5 (3)	2.3
Vaccine preventable diseases									
Influenza		(4)	0.5		(6)	0.2		(10)	0.3
Mumps									
Pertussis		(6)	0.1		1 (2)	0.8		(1)	0.3
Pneumococcal infection			0.1		1 (1)	0.2		(1)	0.7
Rubella (non-congenital)			0.1						
Varicella (chicken pox)	1	12 (6)	4.9		1 (2)	3.8		3 (2)	2.6
Varicella (shingles)	2	43 (46)	28.9	4	26 (36)	26.1	1	34 (28)	22.5
Varicella (unspecified)	4	58 (23)	25.6	9	44 (30)	26.8	7	41 (26)	17.3
Vector-borne diseases									
Barmah Forest virus						0.2			
Malaria					1	0.2		(1)	0.3
Ross River virus		3 (1)	6.1	1	5 (4)	6.8		2 (3)	4.7
Typhus									
Zoonotic diseases									
Leptospirosis						0.2			
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19	2	11 (75)	2.3		1 (95)	1.1	2	6 (55)	2.6
Creutzfeldt-Jakob disease		1	0.1						
Legionellosis		1 (3)	0.4		(1)	0.5		1	0.3
Melioidosis									
Meningococcal infection									0.1
Tuberculosis	1	3 (1)	1.2	1	5 (1)	1.5	2	5 (4)	1.6
Grand Total	40	407 (515)		51	345 (462)		44	479 (500)	

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)		1	4.9			3.3		(1)	16.0
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	2	3 (5)	11.5	1	4 (4)	21.2	2	4 (1)	20.0
Hepatitis D									
Enteric diseases									
Campylobacteriosis	1	11 (9)	32.3		4 (5)	35.9		5 (4)	24.0
Cryptosporidiosis		(3)	1.1		1 (2)	3.3			
Listeriosis			0.5						
Rotavirus			0.5			1.6			
STEC/VTEC infection			2.2			1.6			
Salmonellosis	1	4 (10)	14.8	1	1 (4)	4.9		3 (2)	20.0
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	3	30 (33)	82.2		5 (5)	62.0	2	9 (10)	61.4
Gonorrhoea	1	3 (8)	8.8		(2)	1.6	1	4	16.0
Syphilis (congenital)									
Syphilis - Infectious		2 (2)	3.3	1	1	1.6			2.7
Syphilis - Non-Infectious	1	1	0.5		1	1.6		1 (1)	5.3
Vaccine preventable diseases									
Influenza				1	2 (1)	3.3			
Mumps									
Pertussis			0.5						
Pneumococcal infection			0.5					(1)	4.0
Rubella (non-congenital)									
Varicella (chicken pox)		2 (5)	4.4		3	9.8			6.7
Varicella (shingles)		19 (23)	50.9		9 (10)	62.0		2 (3)	37.4
Varicella (unspecified)		4	2.2	1	4	8.2	1	3 (1)	9.3
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus	2	6 (6)	24.1	1	4 (1)	66.9		(1)	8.0
Typhus			0.5			3.3			1.3
Zoonotic diseases									
Leptospirosis									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19									
Creutzfeldt-Jakob disease									
Legionellosis		(2)	0.5		(1)	1.6		(1)	1.3
Melioidosis									
Meningococcal infection									
Tuberculosis			0.5			1.6			
Grand Total	11	86 (106)		6	39 (35)		6	31 (26)	

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 (2)	5.0			7.7	1 (3)	26.8	
Hepatitis C (newly acquired)								1.7	
Hepatitis C (unspecified)			14.9	2 (2)		27.0		18.4	
Hepatitis D									
Enteric diseases									
Campylobacteriosis	1	7 (8)	34.8	1	4 (3)	25.1	5 (2)	36.8	
Cryptosporidiosis		1 (2)	1.7						
Listeriosis									
Rotavirus				1		1.9			
STEC/VTEC infection		(1)	1.7			1.9		1.7	
Salmonellosis		1 (4)	6.6	2 (3)		17.4	5 (4)	33.5	
Shigellosis		2 (3)	11.6		(2)	1.9	1 (2)	5.0	
Vibrio parahaemolyticus									
Yersiniosis									3.3
Sexually transmissible infections									
Chlamydia (genital)	1	17 (13)	144.2	3	18 (20)	142.9	1	21 (21)	135.6
Gonorrhoea		2 (5)	36.5	3	13 (10)	139.0		11 (11)	98.8
Syphilis (congenital)									
Syphilis - Infectious		1 (1)	11.6		2 (2)	21.2	1	16 (8)	72.0
Syphilis - Non-Infectious		(1)	1.7		1	1.9			3.3
Vaccine preventable diseases									
Influenza		(2)	1.7						
Mumps						1.9			
Pertussis									
Pneumococcal infection		(1)	1.7			1.9	1	3.3	
Rubella (non-congenital)									
Varicella (chicken pox)			3.3		2 (1)	9.7	(1)	1.7	
Varicella (shingles)		(2)	9.9		3 (3)	32.8	2 (4)	23.4	
Varicella (unspecified)		2	16.6	1	1	1.9			
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus		(1)	1.7		(2)	27.0	(6)	1.7	
Typhus							(1)	3.3	
Zoonotic diseases									
Leptospirosis									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19									
Creutzfeldt-Jakob disease									
Legionellosis			1.7						
Melioidosis									
Meningococcal infection						1.9			
Tuberculosis						1.9			
Grand Total	2	34 (46)		8	49 (48)		2	63 (63)	

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	0 (3)	0.1
Hepatitis B (unspecified)		2 (1)	71.8	6	29 (33)	4.2
Hepatitis C (newly acquired)				0	0 (6)	0.6
Hepatitis C (unspecified)		3	40.2	22	71 (46)	10.4
Hepatitis D				0	0 (0)	0.1
Enteric diseases						
Campylobacteriosis		2 (1)	25.8	15	157 (112)	30.8
Cryptosporidiosis		1 (1)	37.3	0	4 (72)	1.2
Listeriosis				0	0 (0)	0.0
Rotavirus				1	9 (13)	1.4
STEC/VTEC infection				0	5 (13)	1.2
Salmonellosis		3 (4)	74.7	4	75 (96)	14.3
Shigellosis		2 (1)	20.1	0	6 (14)	0.9
Vibrio parahaemolyticus				0	0 (0)	0.1
Yersiniosis				0	1 (0)	0.3
Sexually transmissible infections						
Chlamydia (genital)	1	26 (30)	356.1	64	640 (613)	115.3
Gonorrhoea		17 (30)	338.9	8	158 (261)	28.4
Syphilis (congenital)		1	2.9	1	3 (0)	0.1
Syphilis - Infectious		4 (4)	129.2	5	64 (48)	10.0
Syphilis - Non-Infectious	1	1	5.7	4	12 (8)	1.7
Vaccine preventable diseases						
Influenza		(2)	2.9	1	2 (49)	0.4
Mumps				0	0 (2)	0.0
Pertussis				0	1 (10)	0.3
Pneumococcal infection		1 (1)	8.6	0	3 (6)	0.7
Rubella (non-congenital)				0	0 (0)	0.0
Varicella (chicken pox)				1	23 (18)	4.0
Varicella (shingles)	1	5 (4)	40.2	8	145 (161)	28.8
Varicella (unspecified)			2.9	23	158 (82)	19.8
Vector-borne diseases						
Barmah Forest virus		1 (1)	11.5	0	1 (2)	0.2
Malaria				0	1 (2)	0.2
Ross River virus		(10)	11.5	4	21 (35)	8.9
Typhus				0	0 (1)	0.2
Zoonotic diseases						
Leptospirosis			2.9	0	0 (0)	0.1
Other diseases						
Acute post-streptococcal glomerulonephritis (APS)	1	1	2.9	1	1 (0)	0.0
COVID-19				11	33 (383)	4.0
Creutzfeldt-Jakob disease				0	1 (1)	0.0
Legionellosis				0	2 (9)	0.5
Melioidosis		(1)	2.9	0	0 (1)	0.0
Meningococcal infection			2.9	0	0 (0)	0.1
Tuberculosis				4	13 (6)	0.8
Grand Total	4	70 (91)		183	1639 (2121)	

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

	Week Ending								Cumulative Total to end of Week 15	
	25/02	04/03	11/03	18/03	25/03	01/04	08/04	15/04	2021	2020
	Salmonella Total	28	22	32	37	31	26	14	4	380
Serotype/Phage										
Salmonella Adelaide									2	2
Salmonella Agona					2				2	3
Salmonella Anatum		1							2	5
Salmonella Bahrenfeld		1							1	0
Salmonella Bareilly			1						2	3
Salmonella Birkenhead									4	1
Salmonella Bovismorbificans	1	1							3	5
Salmonella Cerro				1		1			2	1
Salmonella Chester			2						3	15
Salmonella Choleraesuis bv Australia				1					3	7
Salmonella Choleraesuis bv Decatur	1								6	7
Salmonella Corvallis									1	3
Salmonella Eastbourne									2	1
Salmonella Emmastad			1						1	0
Salmonella Enteritidis	1		2						3	43
Salmonella Fremantle subsp II				1					2	2
Salmonella Give				1					3	0
Salmonella Havana									1	1
Salmonella Hessarek			1						1	1
Salmonella Houten subsp IV						1			2	0
Salmonella Hvittingfoss									2	1
Salmonella Infantis	1		1	1		2			8	12
Salmonella Johannesburg		1							1	1
Salmonella Kiambu						1			2	0
Salmonella Kottbus									1	1
Salmonella Lansing									1	0
Salmonella Litchfield	1					1			3	3
Salmonella Livingstone									1	0
Salmonella Matopeni				1					1	0
Salmonella Mbandaka					1				1	2
Salmonella Mississippi					1				1	1
Salmonella Muenchen	1		1		1				5	19
Salmonella Newport	1				1	1			5	7
Salmonella Oranienburg									2	2
Salmonella Orion	1	1							2	0
Salmonella Poona		1							2	1
Salmonella Potsdam	1			1					6	5
Salmonella Reading	1				2				3	2
Salmonella Richmond									1	0
Salmonella Rissen									2	2
Salmonella Rubislaw									1	1
Salmonella Sachsenwald subsp IV									1	0
Salmonella Saintpaul	1		2	2	2				11	19
Salmonella Senftenberg									1	1
Salmonella Singapore	1								1	3
Salmonella Stanley				1					2	6
Salmonella Tennessee	1								2	0
Salmonella Typhimurium	12	15	17	22	18	16	8		214	341
Salmonella Urbana									1	0

Weekly Report for period 19-FEB-21 to 15-APR-21

	25/02	04/03	11/03	18/03	25/03	01/04	08/04	15/04	Cumulative Total to end of Week 15	
									2021	2020
Salmonella Total	28	22	32	37	31	26	14	4	380	593
Serotype/Phage										
Salmonella Virchow	1								5	15
Salmonella Wandsbek subsp II									1	2
Salmonella Wandsworth									1	0
Salmonella Weltevreden	1								2	4
Salmonella Zanzibar	1								2	1
Salmonella species		1	4	5	2	3	6	4	37	40
Salmonella subsp I ser 16:i,v:-					1				2	1