



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 22-JAN-21 to 18-MAR-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 11			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	28/01	04/02	11/02	18/02	25/02	04/03	11/03	18/03	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)		1		1					2	0	9	0	1.3	0.0
Hepatitis B (unspecified)	9	4	8	6	13	7	139	6	211	97	98	165	41.2	4.0
Hepatitis C (newly acquired)	3	1	2	5		2		1	15	16	15	3	8.5	0.4
Hepatitis C (unspecified)	15	9	21	23	28	19	23	18	210	190	196	88	78.5	1.1
Hepatitis D					1		1		2	0	5	2	0.7	3.0
Enteric diseases														
Campylobacteriosis	58	66	48	52	46	51	50	7	613	748	698	154	228.3	0.7
Cryptosporidiosis	1	4	2	3	2	2	2	1	24	353	44	7	51.9	0.1
Hepatitis A							1	1	2	4	13	2	2.1	1.0
Listeriosis									1	1	5	0	0.5	0.0
Rotavirus	2		1	5	3	1	4	1	24	66	57	9	22.4	0.4
STEC/VTEC infection	2		3	2	2	2		1	26	42	35	5	8.9	0.6
Salmonellosis	22	27	18	29	26	19	26	6	263	562	514	77	208.2	0.4
Shigellosis	3	3	2		3	1	1		16	105	117	5	20.6	0.2
Typhoid	1								1	2	11	0	1.5	0.0
Vibrio parahaemolyticus	1	1							2	2	8	0	1.3	0.0
Yersiniosis	1	1	2		1				5	4	0	1	0.7	1.5
Sexually transmissible infections														
Chancroid									1	0	0	0	0.0	0.0
Chlamydia (genital)	168	176	257	230	241	211	231	55	2247	2736	2777	738	956.3	0.8
Gonorrhoea	47	49	64	50	51	60	36	6	522	986	991	153	300.1	0.5
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	19	19	20	19	25	18	20		190	153	129	63	38.5	1.6
Syphilis - Non-Infectious	3	2	5	5	4		5		34	53	39	9	14.0	0.6
Vaccine preventable diseases														
Influenza	1	2	2	1	2				9	1083	1387	2	259.1	0.0
Mumps								1	1	4	6	1	19.7	0.1
Pertussis	1	1	1	1		1			8	81	172	1	69.7	0.0
Pneumococcal infection		1	1	2	1	1		1	13	28	25	3	8.1	0.4
Rubella (non-congenital)					1				1	0	1	1	0.2	5.0
Varicella (chicken pox)	4	8	8	14	4	6	4		64	116	135	14	42.6	0.3
Varicella (shingles)	51	64	53	52	45	38	30	5	511	538	499	118	167.5	0.7
Varicella (unspecified)	31	26	33	36	34	36	68	27	384	316	307	165	117.3	1.4
Vector-borne diseases														
Barmah Forest virus		1		1					4	7	3	0	2.7	0.0
Malaria	1					1			3	22	8	1	5.3	0.2
Ross River virus	17	26	19	16	9	16	12	2	198	80	106	39	70.5	0.6
Typhus		1			1		1		5	10	2	2	1.9	1.0
Zoonotic diseases														
Leptospirosis						1			2	0	2	1	0.3	3.0
Other diseases														
COVID-19	9	3	3	1	3	2	8	3	56	131	0	16	38.8	0.4
Legionellosis	1		2	1	1	3			9	8	8	4	3.2	1.3
Melioidosis			1						1	2	1	0	0.8	0.0
Meningococcal infection					1				3	3	6	1	1.7	0.6
Tuberculosis	1	1	3		1	4	1	2	24	33	22	8	9.3	0.9
Grand Total	472	497	579	555	549	502	663	144						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 11			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	28/01	04/02	11/02	18/02	25/02	04/03	11/03	18/03	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)			1		1				2	0	6	0	1.1	0.0
Hepatitis B (unspecified)	7	3	5	4	9	6	93	3	143	85	85	111	34.1	3.3
Hepatitis C (newly acquired)	3	1	2	5		2		1	15	12	9	3	6.3	0.5
Hepatitis C (unspecified)	13	8	12	18	20	13	14	14	150	136	136	61	55.3	1.1
Hepatitis D					1		1		2	0	5	2	0.5	3.8
Enteric diseases														
Campylobacteriosis	48	54	28	42	36	42	40	6	496	614	573	124	183.8	0.7
Cryptosporidiosis		2	1				1	1	11	318	26	1	39.5	0.0
Hepatitis A							1	1	2	4	13	2	1.8	1.1
Rotavirus	2		1	5	3	1	4	1	23	53	53	9	17.4	0.5
STEC/VTEC infection	1		3	2	1	1			18	32	22	2	6.3	0.3
Salmonellosis	13	19	11	19	16	13	17	5	184	430	414	51	159.6	0.3
Shigellosis		1	1		1				4	62	75	1	10.5	0.1
Vibrio parahaemolyticus	1	1							2	2	7	0	1.3	0.0
Yersiniosis	1	1	2						4	4	0	0	0.5	0.0
Sexually transmissible infections														
Chlamydia (genital)	129	136	205	188	199	175	189	49	1806	2119	2123	612	740.9	0.8
Gonorrhoea	30	26	38	27	27	37	27	5	307	689	726	96	206.0	0.5
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	8	9	16	13	12	9	14		110	90	81	35	26.1	1.3
Syphilis - Non-Infectious	3	1	4	3	4		4		27	45	31	8	11.3	0.7
Vaccine preventable diseases														
Influenza	1	2	1	1	1				7	895	992	1	198.9	0.0
Pertussis	1		1	1		1			7	62	127	1	50.7	0.0
Pneumococcal infection		1	1	1	1			1	6	13	15	2	4.1	0.5
Rubella (non-congenital)					1				1	0	1	1	0.2	5.0
Varicella (chicken pox)	4	7	3	12	2	5	2		46	79	101	9	30.5	0.3
Varicella (shingles)	36	51	40	36	34	23	20		355	393	356	77	119.9	0.6
Varicella (unspecified)	30	23	32	36	30	33	63	25	361	302	297	151	110.7	1.4
Vector-borne diseases														
Barmah Forest virus				1					1	1	0	0	0.4	0.0
Malaria	1					1			2	16	8	1	4.5	0.2
Ross River virus	10	13	11	13	7	9	9	1	104	46	79	26	37.4	0.7
Zoonotic diseases														
Leptospirosis						1			1	0	2	1	0.3	3.8
Other diseases														
COVID-19	4	1	1	1	1	1	5	1	25	118	0	8	26.5	0.3
Legionellosis	1		2		1	1			6	3	7	2	2.3	0.9
Meningococcal infection					1	2	1	2	1	1	2	0	0.9	0.0
Tuberculosis	1		2						20	31	20	6	8.5	0.7
Grand Total	348	361	423	429	408	376	505	115						

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			0.1
Hepatitis B (unspecified)		31 (8)	5.6		40 (10)	6.8	3	40 (15)	7.8
Hepatitis C (newly acquired)					(4)	0.6	1	3 (2)	1.5
Hepatitis C (unspecified)	2	11 (11)	3.7	4	27 (27)	9.2	8	23 (25)	8.5
Hepatitis D		1	0.1					1	0.1
Enteric diseases									
Campylobacteriosis	3	45 (67)	24.0	2	42 (51)	25.3	1	37 (67)	20.9
Cryptosporidiosis		1 (78)	0.1		(26)	0.8		(35)	0.7
Hepatitis A					1	0.2	1	1 (1)	0.1
Listeriosis									
Rotavirus	1	5 (8)	1.4		2 (3)	0.6		2 (6)	1.2
STEC/VTEC infection		(5)	1.1		1 (1)	0.3		1 (2)	1.1
Salmonellosis	3	14 (45)	8.2	2	12 (43)	7.4		25 (52)	10.3
Shigellosis					1 (7)	0.3		(7)	0.3
Vibrio parahaemolyticus			0.1		(1)	0.2			
Yersiniosis			0.1			0.3		(1)	0.1
Sexually transmissible infections									
Chlamydia (genital)	13	194 (231)	77.6	17	179 (259)	77.9	19	239 (249)	98.7
Gonorrhoea	3	29 (68)	13.5		24 (76)	11.9	2	43 (99)	17.7
Syphilis - Infectious		7 (6)	2.7		12 (7)	5.9		16 (17)	7.0
Syphilis - Non-Infectious		1 (5)	1.1		3 (6)	1.2		4 (6)	1.5
Vaccine preventable diseases									
Influenza		1 (85)	0.5		(79)	0.2		(73)	0.3
Mumps									
Pertussis		(5)	0.1		1 (3)	0.6		(5)	0.3
Pneumococcal infection		(4)	0.1				1	2	0.7
Rubella (non-congenital)		1	0.1						
Varicella (chicken pox)		4 (7)	2.6		5 (8)	2.9		(10)	1.1
Varicella (shingles)		28 (55)	18.4		27 (51)	17.9		22 (40)	13.9
Varicella (unspecified)	10	67 (43)	18.8	11	52 (50)	20.5	4	32 (28)	11.9
Vector-borne diseases									
Barmah Forest virus						0.2			
Malaria								1 (3)	0.3
Ross River virus	1	11 (4)	5.6		7 (9)	5.4		8 (5)	3.7
Typhus									
Zoonotic diseases									
Leptospirosis					1	0.2			
Other diseases									
COVID-19		1 (69)	0.8		2 (36)	0.9	1	5 (37)	1.8
Legionellosis		1	0.3			0.5		1	0.1
Melioidosis									
Meningococcal infection									0.1
Tuberculosis	1	2 (6)	0.8		1 (5)	0.8	1	3 (3)	1.2
Grand Total	37	455 (810)		36	440 (762)		42	509 (788)	

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)		4	4.4			3.3		9 (1)	16.0
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	1	4 (4)	6.0		3 (3)	8.2		4 (2)	9.3
Hepatitis D									
Enteric diseases									
Campylobacteriosis		9 (19)	22.5	1	3 (5)	27.7		4 (8)	14.7
Cryptosporidiosis	1	1 (10)	1.1			1.6			
Hepatitis A									
Listeriosis			0.5						
Rotavirus						1.6			
STEC/VTEC infection		1 (1)	2.2			1.6			
Salmonellosis	1	9 (10)	12.1		(1)	1.6		3 (7)	13.4
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	2	26 (54)	61.9	2	9 (13)	47.3		12 (12)	46.7
Gonorrhoea		5 (14)	6.0		(3)	1.6		1 (2)	9.3
Syphilis - Infectious		1 (2)	2.2					1	2.7
Syphilis - Non-Infectious								1	4.0
Vaccine preventable diseases									
Influenza									
Mumps									
Pertussis		(4)	0.5						
Pneumococcal infection								1	4.0
Rubella (non-congenital)									
Varicella (chicken pox)		1 (2)	2.7		(1)	6.5		1	4.0
Varicella (shingles)	4	21 (27)	38.3		5 (13)	45.7		6 (1)	30.7
Varicella (unspecified)					1	1.6		3 (4)	6.7
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus		1	19.2	1	8 (1)	55.4			8.0
Typhus		1	0.5		1	3.3			
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19									
Legionellosis		1 (1)	0.5						1.3
Melioidosis									
Meningococcal infection									
Tuberculosis		1	0.5			1.6			
Grand Total	9	86 (148)		4	30 (40)			46 (37)	

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)	3.3	1	5 (1)	9.7		12	25.1
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		3 (2)	13.3		5 (5)	19.3	2	4 (3)	13.4
Hepatitis D									
Enteric diseases									
Campylobacteriosis		3 (3)	21.5		3 (3)	15.4		6 (2)	26.8
Cryptosporidiosis									
Hepatitis A									
Listeriosis									
Rotavirus									
STEC/VTEC infection	1	1 (2)	1.7			1.9		1	1.7
Salmonellosis		(5)	3.3		2 (3)	11.6		4 (6)	23.4
Shigellosis		3 (9)	8.3		(1)	1.9		1	3.3
Vibrio parahaemolyticus									
Yersiniosis								1	1.7
Sexually transmissible infections									
Chlamydia (genital)	1	19 (28)	104.4		11 (28)	88.8		13 (34)	92.1
Gonorrhoea		7 (6)	28.2		10 (7)	85.0	1	8 (29)	67.0
Syphilis - Infectious		1	9.9		4 (4)	21.2		7 (8)	33.5
Syphilis - Non-Infectious			1.7						3.3
Vaccine preventable diseases									
Influenza		1 (22)	1.7						
Mumps				1	1 (1)	1.9			
Pertussis									
Pneumococcal infection		(1)	1.7					(1)	1.7
Rubella (non-congenital)									
Varicella (chicken pox)			3.3		2 (2)	5.8		1 (1)	1.7
Varicella (shingles)		2 (3)	8.3		2 (2)	21.2	1	2 (1)	13.4
Varicella (unspecified)		4 (3)	9.9	1	1	1.9	1	3	6.7
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus			1.7		2 (1)	25.1		1 (4)	1.7
Typhus								(1)	3.3
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19									
Legionellosis		1 (1)	1.7						
Melioidosis									
Meningococcal infection					1	1.9			
Tuberculosis					1	1.9			
Grand Total	2	47 (86)		3	50 (58)		5	64 (90)	

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 (0)	0.1
Hepatitis B (unspecified)	2	22 (1)	68.9	6	165 (37)	3.1
Hepatitis C (newly acquired)				1	3 (7)	0.6
Hepatitis C (unspecified)	1	4	31.6	18	88 (82)	7.7
Hepatitis D				0	2 (0)	0.1
Enteric diseases						
Campylobacteriosis		2	20.1	7	154 (225)	23.1
Cryptosporidiosis		5	28.7	1	7 (157)	0.9
Hepatitis A				1	2 (2)	0.1
Listeriosis				0	0 (1)	0.0
Rotavirus				1	9 (25)	0.9
STEC/VTEC infection				1	5 (11)	1.0
Salmonellosis		8 (5)	66.1	6	77 (183)	9.9
Shigellosis		(4)	11.5	0	5 (33)	0.6
Vibrio parahaemolyticus				0	0 (1)	0.1
Yersiniosis				0	1 (1)	0.2
Sexually transmissible infections						
Chlamydia (genital)		31 (53)	249.9	55	738 (976)	84.7
Gonorrhoea		23 (42)	255.6	6	153 (348)	19.7
Syphilis - Infectious		13 (10)	103.4	0	63 (55)	7.2
Syphilis - Non-Infectious			2.9	0	9 (22)	1.1
Vaccine preventable diseases						
Influenza		(1)	2.9	0	2 (325)	0.3
Mumps				1	1 (2)	0.0
Pertussis				0	1 (21)	0.3
Pneumococcal infection			5.7	1	3 (10)	0.5
Rubella (non-congenital)				0	1 (0)	0.0
Varicella (chicken pox)				0	14 (32)	2.4
Varicella (shingles)		3 (8)	23.0	5	118 (203)	19.3
Varicella (unspecified)		1	5.7	27	165 (129)	14.5
Vector-borne diseases						
Barmah Forest virus		(2)	8.6	0	0 (4)	0.2
Malaria				0	1 (7)	0.1
Ross River virus		1 (9)	11.5	2	39 (33)	7.5
Typhus				0	2 (1)	0.2
Zoonotic diseases						
Leptospirosis			2.9	0	1 (0)	0.1
Other diseases						
COVID-19				3	16 (162)	2.5
Legionellosis				0	4 (2)	0.3
Melioidosis		(2)	2.9	0	0 (2)	0.0
Meningococcal infection			2.9	0	1 (1)	0.1
Tuberculosis				2	8 (15)	0.5
Grand Total	3	113 (137)		144	1858 (3142)	

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

	Week Ending								Cumulative Total to end of Week 11	
	28/01	04/02	11/02	18/02	25/02	04/03	11/03	18/03	2021	2020
	Salmonella Total	22	27	18	29	26	19	26	6	263
Serotype/Phage										
Salmonella Adelaide									2	2
Salmonella Anatum						1			2	4
Salmonella Bahrenfeld						1			1	0
Salmonella Bareilly		1					1		2	2
Salmonella Birkenhead			1	3					4	1
Salmonella Bovismorbificans					1	1			3	3
Salmonella Chester									1	13
Salmonella Choleraesuis bv Australia									2	6
Salmonella Choleraesuis bv Decatur		1			1				6	7
Salmonella Corvallis				1					1	3
Salmonella Eastbourne	1		1						2	1
Salmonella Enteritidis					1				1	41
Salmonella Fremantle subsp II									1	2
Salmonella Give		1							2	0
Salmonella Havana			1						1	1
Salmonella Hessarek									0	1
Salmonella Houten subsp IV				1					1	0
Salmonella Hvittingfoss		1							2	1
Salmonella Infantis			2		1				4	8
Salmonella Johannesburg						1			1	1
Salmonella Kiambu			1						1	0
Salmonella Kottbus									1	0
Salmonella Lansing									1	0
Salmonella Litchfield				1	1				2	3
Salmonella Livingstone		1							1	0
Salmonella Muenchen	2				1		1		4	15
Salmonella Newport		1	1		1				3	6
Salmonella Oranienburg				1					2	2
Salmonella Orion					1	1			2	0
Salmonella Poona				1		1			2	1
Salmonella Potsdam	1				1				5	3
Salmonella Reading					1				1	2
Salmonella Richmond									1	0
Salmonella Rissen									2	2
Salmonella Rubislaw									1	0
Salmonella Sachsenwald subsp IV				1					1	0
Salmonella Saintpaul		1	1		1		1		6	18
Salmonella Senftenberg									1	1
Salmonella Singapore					1				1	2
Salmonella Stanley			1						1	5
Salmonella Tennessee					1				2	0
Salmonella Typhimurium	17	18	6	14	10	12	11		139	289
Salmonella Urbana		1							1	0
Salmonella Virchow	1		1		1				5	9
Salmonella Wandsbek subsp II				1					1	2
Salmonella Wandsworth				1					1	0
Salmonella Weltevreden				1	1				2	4
Salmonella Zanzibar					1				2	1
Salmonella species		1	2	3		1	12	6	31	34

Weekly Report for period 22-JAN-21 to 18-MAR-21

	28/01	04/02	11/02	18/02	25/02	04/03	11/03	18/03	Cumulative Total to end of Week 11		
									2021	2020	
Salmonella Total	22	27	18	29	26	19	26	6	263	497	
Serotype/Phage											
Salmonella subsp I ser 16:l,v:-										1	1