



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 05-FEB-21 to 01-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 13			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	11/02	18/02	25/02	04/03	11/03	18/03	25/03	01/04	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)			1						2	1	9	0	1.6	0.0
Hepatitis B (unspecified)	8	6	13	7	139	5	8	8	226	119	112	160	40.0	4.0
Hepatitis C (newly acquired)	3	5	1	2	2	2		1	19	20	21	5	8.4	0.6
Hepatitis C (unspecified)	20	23	27	19	77	19	23	14	302	228	238	133	77.8	1.7
Hepatitis D			1		1				2	0	5	1	0.7	1.4
Enteric diseases														
Campylobacteriosis	48	53	46	53	54	46	55	11	725	818	790	166	216.1	0.8
Cryptosporidiosis	2	3	2	2	2	4	2		29	401	60	8	46.7	0.2
Listeriosis									1	1	5	0	0.5	0.0
Rotavirus	1	5	3	1	5	5	4		33	72	70	14	22.0	0.6
STEC/VTEC infection	3	2	2	2		2	3	1	31	48	39	6	8.0	0.8
Salmonellosis	19	28	28	22	31	31	29	10	337	613	612	101	201.7	0.5
Shigellosis	2		3	1	1	1	4		21	115	131	6	19.1	0.3
Typhoid									1	2	11	0	1.2	0.0
Vibrio parahaemolyticus					1				3	2	8	1	1.7	0.6
Yersiniosis	2		1			1			6	4	0	1	0.5	1.9
Sexually transmissible infections														
Chancroid									1	0	0	0	0.0	0.0
Chlamydia (genital)	258	232	241	220	235	197	207	38	2650	3110	3253	677	921.9	0.7
Gonorrhoea	64	50	50	63	44	61	55	3	647	1110	1149	163	287.0	0.6
Syphilis (congenital)							1		1	0	1	1	0.1	15.0
Syphilis - Infectious	14	19	24	18	18	25	28	9	241	181	153	80	34.3	2.3
Syphilis - Non-Infectious	6	6	4		3	1	1	2	41	58	54	7	13.7	0.5
Vaccine preventable diseases														
Influenza	2	1	2						9	1118	1557	0	237.9	0.0
Mumps					1				1	5	6	1	17.9	0.1
Pertussis	1	1		1			1		9	83	187	1	64.1	0.0
Pneumococcal infection	1	2	1	1	2	1	1		16	32	30	4	8.5	0.5
Rubella (non-congenital)			1						1	0	1	0	0.2	0.0
Varicella (chicken pox)	8	14	4	6	10	14	9	1	94	125	170	34	41.3	0.8
Varicella (shingles)	53	52	48	53	67	44	31	7	644	613	584	149	164.7	0.9
Varicella (unspecified)	33	36	34	31	37	51	65	19	456	356	367	172	116.7	1.5
Vector-borne diseases														
Barmah Forest virus		1							4	9	3	0	3.0	0.0
Malaria				1					3	23	12	0	4.6	0.0
Ross River virus	21	16	9	14	8	15	3		218	97	127	26	69.5	0.4
Typhus			1		2				6	10	2	2	1.7	1.2
Zoonotic diseases														
Leptospirosis				1					2	0	3	0	0.4	0.0
Other diseases														
COVID-19	3	1	3	2	8	7	3	8	71	461	0	26	39.1	0.7
Legionellosis	2	1	1	3			2		11	13	9	2	3.3	0.6
Melioidosis	1								1	3	1	0	0.7	0.0
Meningococcal infection			1						3	3	7	0	1.3	0.0
Tuberculosis	3		1	4	1	1	3	3	29	34	25	8	8.3	1.0
Grand Total	578	558	552	527	749	533	538	135						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 13			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	11/02	18/02	25/02	04/03	11/03	18/03	25/03	01/04	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)			1						2	1	6	0	1.3	0.0
Hepatitis B (unspecified)	5	4	9	6	93	4	6	8	158	100	96	111	32.9	3.4
Hepatitis C (newly acquired)	2	5	1	2	1	2		1	17	16	14	4	6.5	0.6
Hepatitis C (unspecified)	12	18	19	13	48	14	18	12	215	163	159	92	54.7	1.7
Hepatitis D			1		1				2	0	5	1	0.6	1.7
Enteric diseases														
Campylobacteriosis	28	43	36	43	42	34	42	10	580	667	649	128	172.3	0.7
Cryptosporidiosis	1				1				11	358	31	1	34.8	0.0
Rotavirus	1	5	3	1	5	4	4		31	59	62	13	16.3	0.8
STEC/VTEC infection	3	2	1	1		1	3	1	23	37	26	5	6.1	0.8
Salmonellosis	11	19	18	13	22	27	22	10	245	462	492	81	153.7	0.5
Shigellosis	1		1						4	65	85	0	9.7	0.0
Vibrio parahaemolyticus					1				3	2	7	1	1.5	0.7
Yersiniosis	2					1			5	4	0	1	0.4	2.5
Sexually transmissible infections														
Chlamydia (genital)	206	189	199	182	190	154	166	37	2124	2414	2490	547	718.1	0.8
Gonorrhoea	38	27	27	38	28	33	39	3	379	785	830	103	198.0	0.5
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	11	13	12	8	11	14	19	8	139	107	86	52	22.9	2.3
Syphilis - Non-Infectious	5	4	4		2	1	1	1	33	48	39	5	11.3	0.4
Vaccine preventable diseases														
Influenza	1	1	1						7	910	1121	0	176.3	0.0
Pertussis	1	1		1				1	8	64	140	1	45.9	0.0
Pneumococcal infection	1	1	1		1				6	14	20	1	4.1	0.2
Rubella (non-congenital)			1						1	0	1	0	0.2	0.0
Varicella (chicken pox)	3	12	2	5	6	13	7	1	71	83	124	27	29.6	0.9
Varicella (shingles)	40	36	37	36	50	33	20	2	456	446	419	105	117.1	0.9
Varicella (unspecified)	32	36	30	29	36	47	63	18	434	341	355	164	110.4	1.5
Vector-borne diseases														
Barmah Forest virus		1							1	1	0	0	0.5	0.0
Malaria				1					2	17	11	0	3.9	0.0
Ross River virus	13	12	7	7	5	9	1		115	49	92	15	37.2	0.4
Zoonotic diseases														
Leptospirosis				1					1	0	2	0	0.3	0.0
Other diseases														
COVID-19	1	1	1	1	5	1	2	6	33	337	0	14	26.5	0.5
Legionellosis	2		1	1			1		7	6	8	1	2.3	0.4
Meningococcal infection									1	1	2	0	0.7	0.0
Tuberculosis	2		1	2	1	1	3	3	25	32	23	8	7.7	1.0
Grand Total	422	431	413	391	549	393	418	121						

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		(1)	0.1
Hepatitis B (unspecified)	2	33 (9)	6.1	4	38 (5)	7.7	2	40 (19)	8.5
Hepatitis C (newly acquired)					(4)	0.6	1	4 (2)	1.8
Hepatitis C (unspecified)	3	16 (13)	5.2	4	33 (21)	12.2	5	43 (23)	13.2
Hepatitis D			0.1					1	0.1
Enteric diseases									
Campylobacteriosis	4	45 (47)	27.9	3	38 (35)	28.6	3	45 (54)	25.4
Cryptosporidiosis		1 (65)	0.1		(26)	0.8		(22)	0.7
Listeriosis									
Rotavirus		6 (7)	1.8		2 (6)	0.8		5 (4)	1.8
STEC/VTEC infection		(1)	1.1	1	3 (1)	0.8		2 (6)	1.4
Salmonellosis	5	33 (26)	11.8	3	23 (30)	9.8	2	25 (44)	12.8
Shigellosis					(3)	0.3		(6)	0.3
Vibrio parahaemolyticus			0.1			0.2		1	0.1
Yersiniosis			0.1			0.3		1	0.3
Sexually transmissible infections									
Chlamydia (genital)	12	167 (226)	90.7	9	148 (206)	90.3	16	232 (217)	117.9
Gonorrhoea	2	30 (73)	15.5		26 (59)	15.4	1	47 (84)	22.4
Syphilis (congenital)									
Syphilis - Infectious	5	10 (11)	3.3	1	14 (7)	6.6	2	28 (15)	9.7
Syphilis - Non-Infectious		1 (5)	1.2		1 (5)	1.5	1	3 (3)	1.9
Vaccine preventable diseases									
Influenza		(42)	0.5		(35)	0.2		(37)	0.3
Mumps									
Pertussis		(2)	0.1		1 (1)	0.8		(4)	0.3
Pneumococcal infection		(2)	0.1					1	0.7
Rubella (non-congenital)			0.1						
Varicella (chicken pox)		12 (5)	4.1	1	7 (7)	3.8		8 (6)	2.2
Varicella (shingles)	1	43 (49)	24.1	1	38 (46)	23.2		24 (30)	17.2
Varicella (unspecified)	6	65 (36)	22.3	5	54 (45)	23.7	7	45 (22)	15.5
Vector-borne diseases									
Barmah Forest virus						0.2			
Malaria								(3)	0.3
Ross River virus		7 (3)	5.9		4 (6)	6.0		4 (3)	4.4
Typhus									
Zoonotic diseases									
Leptospirosis						0.2			
Other diseases									
COVID-19	5	6 (137)	1.6		2 (119)	0.9	1	6 (82)	2.1
Legionellosis		1 (2)	0.4		(1)	0.5			0.1
Melioidosis									
Meningococcal infection									0.1
Tuberculosis	2	3 (5)	1.1		2 (3)	1.1	1	3 (1)	1.4
Grand Total	47	479 (766)		32	434 (671)		42	568 (688)	

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	4.4			3.3		7 (1)	16.0
Hepatitis C (newly acquired)				1		1.6			
Hepatitis C (unspecified)		10 (6)	9.9	8 (5)		17.9	1	7 (1)	17.4
Hepatitis D									
Enteric diseases									
Campylobacteriosis		12 (12)	27.4	5 (5)		32.6		4 (6)	20.0
Cryptosporidiosis		1 (8)	1.1	1 (1)		3.3			
Listeriosis			0.5						
Rotavirus		1 (1)	0.5			1.6			
STEC/VTEC infection			2.2			1.6			
Salmonellosis		4 (9)	12.6	1 (5)		3.3		3 (4)	17.4
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)		24 (48)	70.1		11 (12)	55.4		4 (13)	50.7
Gonorrhoea		6 (11)	8.8			1.6		2 (1)	12.0
Syphilis (congenital)									
Syphilis - Infectious		(2)	2.2					1	2.7
Syphilis - Non-Infectious				1	1	1.6		1	4.0
Vaccine preventable diseases									
Influenza									
Mumps									
Pertussis		(1)	0.5						
Pneumococcal infection		1	0.5					(1)	4.0
Rubella (non-congenital)									
Varicella (chicken pox)		3 (4)	3.8		1	8.2		2	6.7
Varicella (shingles)	3	17 (25)	42.7	1	6 (7)	55.4		3 (2)	34.7
Varicella (unspecified)					1	1.6		1 (2)	5.3
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus		2 (3)	20.3		7	63.6		(1)	8.0
Typhus			0.5		1	3.3		1	1.3
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19									
Legionellosis		(2)	0.5		1 (1)	1.6		(1)	1.3
Melioidosis									
Meningococcal infection									
Tuberculosis			0.5			1.6			
Grand Total	3	84 (132)		2	45 (36)		1	36 (33)	

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)		3 (3)	5.0		4	7.7		11 (3)	25.1
Hepatitis C (newly acquired)									1.7
Hepatitis C (unspecified)		3 (2)	14.9		3 (6)	23.2		6 (2)	18.4
Hepatitis D									
Enteric diseases									
Campylobacteriosis		3 (7)	26.5		5 (4)	21.2		6 (2)	33.5
Cryptosporidiosis									
Listeriosis									
Rotavirus									
STEC/VTEC infection		1 (3)	1.7			1.9			1.7
Salmonellosis		1 (7)	5.0		4 (3)	15.4		4 (5)	30.1
Shigellosis		2 (6)	11.6		(2)	1.9		2 (2)	5.0
Vibrio parahaemolyticus									
Yersiniosis									1.7
Sexually transmissible infections									
Chlamydia (genital)		24 (24)	131.0	1	16 (33)	112.0		21 (27)	115.5
Gonorrhoea		6 (7)	36.5		12 (8)	104.3		12 (20)	85.4
Syphilis (congenital)									
Syphilis - Infectious			9.9	1	3 (2)	21.2		15 (6)	56.9
Syphilis - Non-Infectious		(1)	1.7						3.3
Vaccine preventable diseases									
Influenza		(9)	1.7						
Mumps					1	1.9			
Pertussis									
Pneumococcal infection			1.7		1 (1)	1.9			1.7
Rubella (non-congenital)									
Varicella (chicken pox)			3.3		(2)	5.8		1 (2)	1.7
Varicella (shingles)		1 (2)	9.9	1	8 (4)	32.8		3 (1)	18.4
Varicella (unspecified)		4 (1)	14.9				1	1	3.3
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus		(1)	1.7		(3)	27.0		2 (5)	3.3
Typhus									3.3
Zoonotic diseases									
Leptospirosis									
Other diseases									
COVID-19									
Legionellosis			1.7						
Melioidosis									
Meningococcal infection						1.9			
Tuberculosis						1.9			
Grand Total		48 (73)		3	57 (68)		1	84 (75)	

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 (1)	0.1
Hepatitis B (unspecified)		21 (1)	68.9	8	160 (41)	3.7
Hepatitis C (newly acquired)				1	5 (8)	0.7
Hepatitis C (unspecified)	1	4	37.3	14	133 (79)	9.1
Hepatitis D				0	1 (0)	0.1
Enteric diseases						
Campylobacteriosis		1	20.1	11	166 (173)	27.3
Cryptosporidiosis		4 (1)	37.3	0	8 (133)	1.1
Listeriosis				0	0 (1)	0.0
Rotavirus				0	14 (21)	1.2
STEC/VTEC infection				1	6 (11)	1.2
Salmonellosis		3 (8)	68.9	10	101 (146)	12.7
Shigellosis		2 (1)	17.2	0	6 (24)	0.8
Vibrio parahaemolyticus				0	1 (0)	0.1
Yersiniosis				0	1 (0)	0.2
Sexually transmissible infections						
Chlamydia (genital)		25 (57)	295.8	38	677 (876)	99.9
Gonorrhoea		18 (36)	304.4	3	163 (302)	24.4
Syphilis (congenital)		1	2.9	0	1 (0)	0.0
Syphilis - Infectious		8 (7)	123.5	9	80 (51)	9.1
Syphilis - Non-Infectious			2.9	2	7 (18)	1.4
Vaccine preventable diseases						
Influenza			2.9	0	0 (179)	0.3
Mumps				0	1 (1)	0.0
Pertussis				0	1 (8)	0.3
Pneumococcal infection		1 (1)	8.6	0	4 (7)	0.6
Rubella (non-congenital)				0	0 (0)	0.0
Varicella (chicken pox)				1	34 (26)	3.5
Varicella (shingles)		5 (2)	34.5	7	149 (169)	24.3
Varicella (unspecified)			2.9	19	172 (107)	17.2
Vector-borne diseases						
Barmah Forest virus		(3)	8.6	0	0 (6)	0.2
Malaria				0	0 (4)	0.1
Ross River virus		(11)	11.5	0	26 (36)	8.2
Typhus				0	2 (0)	0.2
Zoonotic diseases						
Leptospirosis			2.9	0	0 (0)	0.1
Other diseases						
COVID-19				8	26 (469)	3.1
Legionellosis				0	2 (8)	0.4
Melioidosis		(1)	2.9	0	0 (1)	0.0
Meningococcal infection			2.9	0	0 (0)	0.1
Tuberculosis				3	8 (10)	0.6
Grand Total	1	93 (129)		135	1955 (2943)	

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

	Week Ending								Cumulative Total to end of Week 13	
	11/02	18/02	25/02	04/03	11/03	18/03	25/03	01/04	2021	2020
	Salmonella Total	19	28	28	22	31	31	29	10	337
Serotype/Phage										
Salmonella Adelaide									2	2
Salmonella Agona							1		1	3
Salmonella Anatum				1					2	5
Salmonella Bahrenfeld				1					1	0
Salmonella Bareilly					1				2	2
Salmonella Birkenhead	1	3							4	1
Salmonella Bovismorbificans			1	1					3	5
Salmonella Cerro						1			1	1
Salmonella Chester					2				3	14
Salmonella Choleraesuis bv Australia						1			3	6
Salmonella Choleraesuis bv Decatur			1						6	7
Salmonella Corvallis		1							1	3
Salmonella Eastbourne	1								2	1
Salmonella Emmastad					1				1	0
Salmonella Enteritidis			1		1				2	42
Salmonella Fremantle subsp II						1			2	2
Salmonella Give						1			3	0
Salmonella Havana	1								1	1
Salmonella Hessarek					1				1	1
Salmonella Houten subsp IV		1							1	0
Salmonella Hvittingfoss									2	1
Salmonella Infantis	2		1		1	1			6	10
Salmonella Johannesburg				1					1	1
Salmonella Kiambu	1								1	0
Salmonella Kottbus									1	1
Salmonella Lansing									1	0
Salmonella Litchfield		1	1						2	3
Salmonella Livingstone									1	0
Salmonella Matopeni						1			1	0
Salmonella Mississippi							1		1	1
Salmonella Muenchen			1		1				4	18
Salmonella Newport	1		1				1		4	6
Salmonella Oranienburg		1							2	2
Salmonella Orion			1	1					2	0
Salmonella Poona		1		1					2	1
Salmonella Potsdam			1			1			6	4
Salmonella Reading			1						1	2
Salmonella Richmond									1	0
Salmonella Rissen									2	2
Salmonella Rubislaw									1	1
Salmonella Sachsenwald subsp IV		1							1	0
Salmonella Saintpaul	1		1		2	1	2		10	19
Salmonella Senftenberg									1	1
Salmonella Singapore			1						1	3
Salmonella Stanley	1					1			2	6
Salmonella Tennessee			1						2	0
Salmonella Typhimurium	7	13	12	15	17	16	6	1	173	317
Salmonella Urbana									1	0
Salmonella Virchow	1		1						5	11

Weekly Report for period 05-FEB-21 to 01-APR-21

	11/02	18/02	25/02	04/03	11/03	18/03	25/03	01/04	Cumulative Total to end of Week 13	
									2021	2020
Salmonella Total	19	28	28	22	31	31	29	10	337	550
Serotype/Phage										
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	2	3		1	4	6	18	9	50	36
Salmonella subsp I ser 16:l,v:-									1	1