



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 26-FEB-21 to 22-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 16			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	04/03	11/03	18/03	25/03	01/04	08/04	15/04	22/04	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	7	139	5	8	10	5	8	13	254	136	143	36	38.7	0.9
Hepatitis C (newly acquired)	3	1	2		1	1			18	23	29	2	9.4	0.2
Hepatitis C (unspecified)	18	78	19	23	16	8	25	25	363	252	291	74	77.5	1.0
Hepatitis D		1							2	0	7	0	0.5	0.0
Enteric diseases														
Campylobacteriosis	54	53	49	58	44	45	54	13	877	894	948	156	207.0	0.8
Cryptosporidiosis	2	3	3	2	2	1	2	1	35	436	76	6	37.3	0.2
Listeriosis							1		2	1	5	1	0.2	5.0
Rotavirus	1	5	5	4	2	3	2		40	80	81	7	24.5	0.3
STEC/VTEC infection	2		2	4	2				33	55	55	2	6.6	0.3
Salmonellosis	23	32	37	32	27	17	19	4	405	740	752	67	195.5	0.3
Shigellosis	1	2	1	4	1		1		24	120	150	2	16.5	0.1
Typhoid									1	3	11	0	0.9	0.0
Vibrio parahaemolyticus		1							3	2	10	0	1.7	0.0
Yersiniosis		1	1		2		2	1	12	4	1	5	0.8	6.3
Sexually transmissible infections														
Chancroid									1	0	0	0	0.0	0.0
Chlamydia (genital)	221	237	204	219	210	157	202	52	3260	3556	3908	621	891.3	0.7
Gonorrhoea	62	46	63	61	49	50	43	4	804	1329	1339	146	275.8	0.5
Syphilis (congenital)				1		1	1		3	0	1	2	0.1	30.0
Syphilis - Infectious	17	16	24	22	25	14	22	3	285	212	188	64	32.3	2.0
Syphilis - Non-Infectious		3	1	3	3	3	4	1	53	64	74	11	14.2	0.8
Vaccine preventable diseases														
Influenza					1		1		11	1137	1946	2	302.5	0.0
Mumps		1							1	7	9	0	15.3	0.0
Pertussis	1			1		1			10	92	224	1	62.9	0.0
Pneumococcal infection	1	2	1	2		1	2		20	34	40	3	10.4	0.3
Rubella (non-congenital)									1	0	1	0	0.2	0.0
Varicella (chicken pox)	7	9	15	11	9	6	4	2	117	135	194	21	38.7	0.5
Varicella (shingles)	54	68	53	55	47	54	35	3	814	734	692	139	161.3	0.9
Varicella (unspecified)	30	36	50	52	38	36	41	16	549	425	432	131	113.7	1.2
Vector-borne diseases														
Barmah Forest virus						1		1	6	9	4	2	3.1	0.7
Malaria	1				1				4	24	18	1	3.8	0.3
Ross River virus	15	8	15	4	9	8	6		244	122	151	23	67.7	0.3
Typhus		2							6	11	2	0	1.8	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	0.3	3.0
COVID-19	2	8	7	3	11	8	17	9	108	550	0	45	40.0	1.1
Creutzfeldt-Jakob disease	1			1					2	1	3	0	0.7	0.0
Legionellosis	3	1		1		1	2		14	17	10	3	3.9	0.8
Melioidosis									1	4	2	0	0.7	0.0
Meningococcal infection							2		5	3	8	2	1.1	1.8
Tuberculosis	4	1	1	3	3	3	4	4	39	41	33	14	9.3	1.5
Grand Total	531	754	558	574	513	424	501	152						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 16			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	04/03	11/03	18/03	25/03	01/04	08/04	15/04	22/04	2021	2020	2019			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	6	93	4	6	9	3	8	11	181	117	122	31	32.1	1.0
Hepatitis C (newly acquired)	3	1	2		1	1			17	19	20	2	7.1	0.3
Hepatitis C (unspecified)	12	48	14	18	14	4	21	16	259	179	194	55	53.6	1.0
Hepatitis D		1							2	0	7	0	0.3	0.0
Enteric diseases														
Campylobacteriosis	43	42	37	44	32	31	38	11	687	720	782	112	164.7	0.7
Cryptosporidiosis		1				1	1		13	385	37	2	25.0	0.1
Listeriosis							1		1	0	5	1	0.0	0.0
Rotavirus	1	5	4	4	2	2	1		36	67	69	5	15.4	0.3
STEC/VTEC infection	1		1	4	1				24	44	40	1	5.0	0.2
Salmonellosis	14	22	32	25	19	9	9	4	285	569	595	41	147.3	0.3
Shigellosis		1							5	67	98	0	7.6	0.0
Vibrio parahaemolyticus		1							3	2	9	0	1.4	0.0
Yersiniosis			1		2			1	8	4	1	3	0.6	5.0
Sexually transmissible infections														
Chlamydia (genital)	184	190	158	175	168	118	169	48	2608	2761	3039	503	691.1	0.7
Gonorrhoea	38	29	33	43	31	33	29	4	478	944	970	97	189.4	0.5
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	7	9	14	10	16	9	12	3	157	125	106	40	21.4	1.9
Syphilis - Non-Infectious		2	1	2	1	2	2		38	51	52	5	11.4	0.4
Vaccine preventable diseases														
Influenza									7	918	1369	0	222.0	0.0
Pertussis	1			1					8	71	167	0	43.9	0.0
Pneumococcal infection		1				1	2		9	15	25	3	5.5	0.5
Rubella (non-congenital)									1	0	1	0	0.2	0.0
Varicella (chicken pox)	5	6	14	9	5	3	3	2	87	90	139	13	29.0	0.4
Varicella (shingles)	37	51	41	40	37	32	26	2	583	529	502	97	114.6	0.8
Varicella (unspecified)	28	35	46	50	35	34	33	16	516	407	417	118	107.7	1.1
Vector-borne diseases														
Barmah Forest virus									1	1	1	0	0.7	0.0
Malaria	1				1				3	18	17	1	3.0	0.3
Ross River virus	8	5	9	1	5	4	4		130	61	112	13	35.5	0.4
Zoonotic diseases														
Leptospirosis	1								1	0	2	0	0.1	0.0
Other diseases														
COVID-19	1	5	1	2	9	3	5	2	46	369	0	19	26.5	0.7
Creutzfeldt-Jakob disease	1			1					2	1	3	0	0.5	0.0
Legionellosis	1			1		1	1		9	7	9	2	2.5	0.8
Meningococcal infection							1		2	1	3	1	0.6	1.7
Tuberculosis	2	1	1	3	3	3	4	4	35	39	28	14	8.3	1.7
Grand Total	395	549	413	439	391	294	370	124						

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)	1	6 (10)	6.8	2	10 (6)	8.7	8	15 (8)	10.0
Hepatitis C (newly acquired)					1 (1)	0.8		1 (1)	1.6
Hepatitis C (unspecified)		6 (3)	5.6	3	17 (12)	14.2	13	32 (12)	17.0
Hepatitis D			0.1						0.1
Enteric diseases									
Campylobacteriosis	4	43 (20)	33.4	5	32 (24)	33.3	2	37 (28)	30.3
Cryptosporidiosis		(25)	0.1		1 (9)	0.9		1 (9)	0.8
Listeriosis								1	0.1
Rotavirus		(5)	1.8		3 (1)	1.2		2 (4)	2.1
STEC/VTEC infection		(3)	1.1		1	0.9		(4)	1.4
Salmonellosis	1	15 (64)	13.9	2	11 (24)	11.3	1	15 (29)	14.8
Shigellosis		(2)	0.1		(1)	0.3		(1)	0.3
Vibrio parahaemolyticus			0.1			0.2			0.1
Yersiniosis		1	0.3	1	1	0.5		1	0.4
Sexually transmissible infections									
Chlamydia (genital)	12	160 (148)	111.6	21	149 (151)	113.0	15	194 (165)	142.6
Gonorrhoea	2	32 (65)	20.0		20 (62)	18.7	2	45 (64)	28.4
Syphilis (congenital)									
Syphilis - Infectious		9 (5)	3.7	2	13 (3)	7.8	1	18 (13)	10.7
Syphilis - Non-Infectious		2	1.5			1.5		3 (3)	2.3
Vaccine preventable diseases									
Influenza		(2)	0.5		(2)	0.2		(7)	0.3
Mumps									
Pertussis		(5)	0.1		(2)	0.8		(1)	0.3
Pneumococcal infection			0.1		1 (1)	0.2		2 (1)	1.0
Rubella (non-congenital)			0.1						
Varicella (chicken pox)		5 (6)	5.2		3 (1)	4.1	2	5 (2)	3.0
Varicella (shingles)	1	33 (46)	30.0		32 (31)	28.5	1	32 (30)	23.9
Varicella (unspecified)	3	41 (21)	26.4	4	33 (33)	27.4	9	44 (29)	19.2
Vector-borne diseases									
Barmah Forest virus						0.2			
Malaria					1	0.2			0.3
Ross River virus		5 (2)	6.7		6 (7)	6.9		2 (4)	4.8
Typhus									
Zoonotic diseases									
Leptospirosis						0.2			
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19	2	13 (28)	2.7		1 (33)	1.1		5 (20)	2.6
Creutzfeldt-Jakob disease			0.1					(2)	0.1
Legionellosis		(3)	0.4		(1)	0.5		2	0.4
Melioidosis									
Meningococcal infection					1	0.2			0.1
Tuberculosis		3 (2)	1.2	2	5 (2)	1.8	2	6 (4)	1.9
Grand Total	26	374 (465)		42	342 (407)		56	463 (442)	

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			16.0
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	1	3 (6)	11.5	3	4 (5)	26.1		3 (1)	20.0
Hepatitis D									
Enteric diseases									
Campylobacteriosis	1	17 (7)	37.2		5 (4)	40.8		7 (4)	29.4
Cryptosporidiosis		(2)	1.1		(1)	3.3			
Listeriosis			0.5						
Rotavirus			0.5		1	3.3			
STEC/VTEC infection		1	2.7			1.6			
Salmonellosis		6 (13)	15.9		1 (2)	4.9		4 (1)	24.0
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis					1	1.6			
Sexually transmissible infections									
Chlamydia (genital)	2	26 (29)	84.9	1	6 (6)	65.2		10 (6)	64.1
Gonorrhoea		1 (11)	8.8		1 (2)	3.3		6 (1)	20.0
Syphilis (congenital)									
Syphilis - Infectious		1 (1)	2.7		2	3.3			2.7
Syphilis - Non-Infectious		2	1.1		1	1.6		1 (1)	5.3
Vaccine preventable diseases									
Influenza					2	3.3			
Mumps									
Pertussis		1	1.1						
Pneumococcal infection			0.5						4.0
Rubella (non-congenital)									
Varicella (chicken pox)		1 (5)	4.4		3	11.4			6.7
Varicella (shingles)	1	22 (19)	54.8		5 (7)	63.6		3 (3)	38.7
Varicella (unspecified)		2	1.1		6	11.4		3 (1)	9.3
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus		7 (5)	24.6		1 (1)	66.9			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			1.6		(1)	1.3
Melioidosis									
Meningococcal infection								1	1.3
Tuberculosis			0.5			1.6			
Grand Total	5	91 (100)		4	39 (28)			38 (19)	

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)			5.0	1	1	9.7		1 (1)	26.8
Hepatitis C (newly acquired)									1.7
Hepatitis C (unspecified)	2	2 (2)	18.2		2 (1)	27.0	2	2	20.1
Hepatitis D									
Enteric diseases									
Campylobacteriosis	1	6 (7)	36.5		3 (2)	27.0		1 (3)	36.8
Cryptosporidiosis		1 (2)	1.7		1	1.9		1 (3)	1.7
Listeriosis									
Rotavirus					1	1.9			
STEC/VTEC infection			1.7			1.9			1.7
Salmonellosis		3 (3)	9.9		1 (1)	17.4		4 (4)	36.8
Shigellosis		(2)	11.6		(1)	1.9		(2)	5.0
Vibrio parahaemolyticus									
Yersiniosis					1	1.9			3.3
Sexually transmissible infections									
Chlamydia (genital)		10 (15)	149.2		15 (20)	148.7	1	19 (20)	145.7
Gonorrhoea		(4)	36.5		16 (8)	146.8		9 (17)	102.1
Syphilis (congenital)									
Syphilis - Infectious		(1)	9.9		4 (1)	25.1		12 (6)	78.7
Syphilis - Non-Infectious			1.7			3.9		(1)	3.3
Vaccine preventable diseases									
Influenza			1.7						
Mumps						1.9			
Pertussis									
Pneumococcal infection		(1)	1.7			1.9			3.3
Rubella (non-congenital)									
Varicella (chicken pox)			3.3		3	11.6		1 (1)	3.3
Varicella (shingles)		1 (2)	11.6		3 (4)	36.7		3 (5)	25.1
Varicella (unspecified)		2 (1)	18.2						
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus		1 (1)	3.3			27.0		(4)	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	3	26 (41)		1	51 (38)		3	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	0 (3)	0.1
Hepatitis B (unspecified)		1	71.8	13	36 (26)	4.8
Hepatitis C (newly acquired)				0	2 (3)	0.7
Hepatitis C (unspecified)		2	40.2	25	74 (42)	11.4
Hepatitis D				0	0 (0)	0.1
Enteric diseases						
Campylobacteriosis		3 (1)	28.7	13	156 (101)	33.1
Cryptosporidiosis		(1)	37.3	1	6 (54)	1.3
Listeriosis				0	1 (0)	0.1
Rotavirus				0	7 (10)	1.5
STEC/VTEC infection				0	2 (7)	1.2
Salmonellosis		4 (4)	80.4	4	67 (148)	15.3
Shigellosis		2 (1)	23.0	0	2 (10)	0.9
Vibrio parahaemolyticus				0	0 (0)	0.1
Yersiniosis				1	5 (0)	0.5
Sexually transmissible infections						
Chlamydia (genital)		26 (28)	379.1	52	621 (592)	122.9
Gonorrhoea		16 (34)	359.0	4	146 (270)	30.3
Syphilis (congenital)			2.9	0	2 (0)	0.1
Syphilis - Infectious		5 (5)	143.6	3	64 (36)	10.7
Syphilis - Non-Infectious		1	5.7	1	11 (6)	1.8
Vaccine preventable diseases						
Influenza		(2)	2.9	0	2 (32)	0.4
Mumps				0	0 (2)	0.0
Pertussis				0	1 (10)	0.4
Pneumococcal infection			8.6	0	3 (3)	0.8
Rubella (non-congenital)				0	0 (0)	0.0
Varicella (chicken pox)				2	21 (16)	4.4
Varicella (shingles)		4 (6)	46.0	3	139 (154)	30.7
Varicella (unspecified)			2.9	16	131 (87)	20.7
Vector-borne diseases						
Barmah Forest virus	1	2 (1)	14.4	1	2 (1)	0.2
Malaria				0	1 (1)	0.2
Ross River virus		(7)	11.5	0	23 (31)	9.2
Typhus				0	0 (1)	0.2
Zoonotic diseases						
Leptospirosis			2.9	0	0 (0)	0.1
Other diseases						
Acute post-streptococcal glomerulonephritis (APS)		1	2.9	0	1 (0)	0.0
COVID-19				9	45 (184)	4.8
Creutzfeldt-Jakob disease				0	0 (2)	0.1
Legionellosis		1	2.9	0	3 (7)	0.5
Melioidosis		(1)	2.9	0	0 (1)	0.0
Meningococcal infection			2.9	0	2 (0)	0.2
Tuberculosis				4	14 (8)	1.0
Grand Total	1	68 (91)		152	1590 (1855)	

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

	Week Ending								Cumulative Total to end of Week 16	
	04/03	11/03	18/03	25/03	01/04	08/04	15/04	22/04	2021	2020
	Salmonella Total	23	32	37	32	27	17	19	4	405
Serotype/Phage										
Salmonella Adelaide									2	2
Salmonella Agona				2					2	4
Salmonella Anatum	1								2	5
Salmonella Bahrenfeld	1								1	0
Salmonella Ball						1			1	0
Salmonella Bareilly		1							2	3
Salmonella Birkenhead									4	1
Salmonella Bovismorbificans	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									6	7
Salmonella Corvallis									1	3
Salmonella Eastbourne									2	1
Salmonella Emmastad		1							1	0
Salmonella Enteritidis		2				1			4	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		3				9	12
Salmonella Irumu							1		1	0
Salmonella Johannesburg	1								1	1
Salmonella Kiambu					1				2	0
Salmonella Kottbus									1	2
Salmonella Lansing									1	0
Salmonella Litchfield					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					5	19
Salmonella Newport				1	1	1			6	8
Salmonella Oranienburg									2	2
Salmonella Orion	1								2	1
Salmonella Poona	1								2	1
Salmonella Potsdam			1						6	5
Salmonella Reading				2					3	2
Salmonella Richmond									1	0
Salmonella Rissen									2	3
Salmonella Rubislaw									1	1
Salmonella Sachsenwald subsp IV									1	0
Salmonella Saintpaul	1	2	2	2	1	1			14	20
Salmonella Senftenberg									1	1
Salmonella Singapore									1	3
Salmonella Stanley			1						2	6
Salmonella Tennessee									2	0

Weekly Report for period 26-FEB-21 to 22-APR-21

	04/03	11/03	18/03	25/03	01/04	08/04	15/04	22/04	Cumulative Total to end of Week 16	
									2021	2020
Salmonella Total	23	32	37	32	27	17	19	4	405	679
Serotype/Phage										
Salmonella Typhimurium	15	17	22	19	16	12	2	1	222	419
Salmonella Urbana									1	0
Salmonella Virchow									5	15
Salmonella Wandsbek subsp II									1	2
Salmonella Wandsworth									1	0
Salmonella Weltevreden									2	4
Salmonella Zanzibar									2	1
Salmonella species	1	4	5	2	2	1	16	3	46	42
Salmonella subsp I ser 16:i,v:-				1					2	1