



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 15-JAN-22 to 11-MAR-22

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 10			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	21/01	28/01	04/02	11/02	18/02	25/02	04/03	11/03	2022	2021	2020			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	13	6	11	12	7	9	6	3	79	204	86	25	41.5	0.6
Hepatitis C (newly acquired)	3	1			2	1	4		12	13	13	7	8.1	0.9
Hepatitis C (unspecified)	20	11	15	16	9	22	25	11	153	246	169	67	79.2	0.8
Hepatitis D			1						1	2	0	0	0.7	0.0
Enteric diseases														
Campylobacteriosis	73	65	59	67	42	45	40	28	576	613	687	155	232.1	0.7
Cryptosporidiosis	3	6	7	10	14	10	5	9	73	25	315	38	49.2	0.8
Hepatitis A							1		1	0	4	1	1.9	0.5
Listeriosis							1		1	1	0	1	0.5	2.1
Rotavirus	7	10	6	4	2	5	6	6	77	29	60	19	22.0	0.9
STEC/VTEC infection	1	1	4	5	3	3	3	2	30	25	39	11	9.9	1.1
Salmonellosis	25	29	22	25	16	19	15	9	202	269	512	59	195.7	0.3
Shigellosis	1	1	2	3	1	1	2		16	17	101	4	21.1	0.2
Typhoid		1			2	1			4	1	2	3	1.4	2.1
Vibrio parahaemolyticus									2	3	2	0	1.3	0.0
Yersiniosis			1			1		1	3	7	4	2	1.2	1.7
Sexually transmissible infections														
Chlamydia (genital)	225	188	235	226	223	229	185	159	2136	2226	2500	796	949.3	0.8
Gonorrhoea	65	49	56	66	55	56	49	32	554	535	904	192	297.7	0.6
Syphilis (congenital)			1						2	0	0	0	0.2	0.0
Syphilis - Infectious	15	19	19	22	21	26	27	27	222	165	143	101	47.1	2.1
Syphilis - Non-Infectious	2	3	3	2	3	3	3	2	26	40	43	11	16.7	0.7
Vaccine preventable diseases														
Influenza	1	1					1	2	5	6	1033	3	235.6	0.0
Pertussis		1	1	1	1	1			7	8	79	2	49.1	0.0
Pneumococcal infection	2		1	4	3		3	3	20	14	26	9	7.7	1.2
Varicella (chicken pox)	3	5	8	4	9	10	13	8	70	70	112	40	41.5	1.0
Varicella (shingles)	49	41	52	50	40	52	48	22	458	573	498	162	185.4	0.9
Varicella (unspecified)	57	50	53	56	58	46	51	57	515	312	275	212	124.3	1.7
Vector-borne diseases														
Barmah Forest virus	2		1	1		1			5	3	4	1	2.8	0.4
Malaria					1				2	3	21	1	4.6	0.2
Ross River virus	20	29	40	30	33	28	19	12	263	215	69	92	76.0	1.2
Typhus			1			1			2	6	10	1	1.7	0.6
West Nile virus/Kunjin virus				1					1	0	0	0	0.0	0.0
Zoonotic diseases														
Q Fever		1					1		2	0	0	1	0.5	2.1
Other diseases														
Acute post-streptococcal glomerulonephritis		1		1	1				4	0	0	1	1.1	0.9
COVID-19	16	4	8	5	21	70	31		247	54	28	122	43.1	2.8
Legionellosis	1		1			1	1	1	9	11	8	3	3.4	0.9
Leprosy									1	0	0	0	0.2	0.0
Meningococcal infection						1	1		4	3	3	2	1.6	1.3
RSV	71	81	70	65	72	70	57	30	748	2	0	229	0.0	0.0
Tuberculosis	2	1	2	3	3	4			15	19	26	7	9.9	0.7
iGAS	2	6	2	5	5	5	3	3	38	0	0	16	0.0	0.0
Grand Total	679	611	682	684	647	721	601	427						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 10			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	21/01	28/01	04/02	11/02	18/02	25/02	04/03	11/03	2022	2021	2020			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	9	6	9	12	3	7	6	3	63	139	74	19	33.5	0.6
Hepatitis C (newly acquired)	1	1			2		4		9	12	9	6	6.1	1.0
Hepatitis C (unspecified)	17	7	11	13	6	14	19	3	109	172	125	42	56.7	0.7
Hepatitis D			1						1	2	0	0	0.6	0.0
Enteric diseases														
Campylobacteriosis	64	56	45	56	29	35	35	23	469	493	566	122	186.7	0.7
Cryptosporidiosis	3	5	5	6	12	9	4	7	55	11	284	32	37.9	0.8
Listeriosis							1		1	0	0	1	0.3	3.0
Rotavirus	6	10	6	4	2	4	5	4	66	28	50	15	17.4	0.9
STEC/VTEC infection	1		4	5	2	2	3	2	24	18	31	9	7.1	1.3
Salmonellosis	16	25	18	19	12	13	8	5	148	187	395	38	149.7	0.3
Shigellosis	1	1		1					7	5	61	0	10.6	0.0
Typhoid		1			2	1			4	0	2	3	1.3	2.4
Vibrio parahaemolyticus									2	3	2	0	1.2	0.0
Yersiniosis				1			1	1	3	5	4	2	0.9	2.1
Sexually transmissible infections														
Chlamydia (genital)	172	152	187	169	177	177	152	125	1679	1780	1941	631	740.3	0.9
Gonorrhoea	43	24	34	41	39	33	27	27	354	306	634	126	200.8	0.6
Syphilis - Infectious	11	13	13	18	16	20	17	22	161	85	82	75	28.3	2.6
Syphilis - Non-Infectious	1	1	3		1	2	3	1	14	33	36	7	13.2	0.5
Vaccine preventable diseases														
Influenza		1					1	2	4	5	863	3	181.9	0.0
Pertussis		1	1	1	1				5	7	60	1	37.2	0.0
Pneumococcal infection	2			3	2			1	10	6	12	3	4.1	0.7
Varicella (chicken pox)	3	3	7	2	8	5	10	5	53	51	76	28	29.5	1.0
Varicella (shingles)	39	32	28	35	30	36	32	15	321	408	363	113	133.1	0.8
Varicella (unspecified)	52	43	50	51	53	41	42	49	463	300	261	185	120.1	1.5
Vector-borne diseases														
Barmah Forest virus						1			1	0	1	1	0.3	3.0
Malaria					1				2	2	15	1	3.9	0.3
Ross River virus	11	20	30	19	24	19	15	10	181	116	42	68	41.5	1.6
Typhus						1			1	0	6	1	0.7	1.5
Zoonotic diseases														
Q Fever		1							1	0	0	0	0.2	0.0
Other diseases														
COVID-19	8	1	1	2	14	53	30		174	24	26	97	28.7	3.4
Legionellosis							1	1	5	7	3	2	2.3	0.9
Leprosy									1	0	0	0	0.1	0.0
Meningococcal infection						1	1		4	1	1	2	0.8	2.5
RSV	33	39	34	21	28	35	20	12	376	0	0	95	0.0	0.0
Tuberculosis	1		2	3	1	3			10	16	25	4	8.9	0.4
iGAS	1	4	2	5	3	3		2	23	0	0	8	0.0	0.0
Grand Total	495	447	492	486	468	516	436	320						

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 (unspecified)	1	4 (32)	1.9	1	7 (41)	2.4	1	8 (39)	4.5
Hepatitis C (newly acquired)					3 (3)	0.6		3 (3)	0.7
Hepatitis C (unspecified)		5 (16)	1.9	1	20 (43)	5.7	2	17 (41)	7.7
Hepatitis D		(1)	0.1						
Enteric diseases									
Campylobacteriosis	6	35 (61)	21.3	11	51 (53)	23.3	6	36 (49)	21.1
Cryptosporidiosis	2	4 (1)	1.4	1	6	1.2	4	22	5.0
Hepatitis A									
Listeriosis		1	0.1						
Rotavirus		4 (6)	1.9	2	3 (2)	3.7	2	8 (10)	3.7
STEC/VTEC infection		1 (1)	0.3		4 (1)	1.3	2	4 (2)	1.8
Salmonellosis	1	13 (25)	6.2	1	9 (17)	6.3	3	16 (30)	8.1
Shigellosis		(1)	0.4		(1)	0.3			0.3
Typhoid								3	0.5
Vibrio parahaemolyticus								(1)	0.3
Yersiniosis	1	1	0.1		1	0.1			0.1
Sexually transmissible infections									
Chlamydia (genital)	20	165 (248)	67.4	44	205 (211)	75.3	61	261 (306)	91.6
Gonorrhoea	4	34 (36)	13.1	11	49 (30)	16.3	12	43 (55)	20.0
Syphilis (congenital)									
Syphilis - Infectious	8	23 (5)	5.4	4	20 (12)	6.4	10	32 (19)	10.6
Syphilis - Non-Infectious		1 (1)	0.5		2 (5)	0.4	1	4 (6)	0.9
Vaccine preventable diseases									
Influenza		(1)	0.1				2	3	0.4
Pertussis		1	0.4		(1)	0.1		(1)	0.1
Pneumococcal infection	1	1	0.4		2	0.4		(3)	0.5
Varicella (chicken pox)	3	12 (10)	2.3	2	9 (11)	3.1		7 (5)	2.0
Varicella (shingles)	7	44 (61)	14.9	5	34 (54)	17.7	3	35 (47)	12.5
Varicella (unspecified)	14	61 (54)	20.4	21	71 (43)	25.2	14	53 (30)	19.4
Vector-borne diseases									
Barmah Forest virus								1	0.1
Malaria		1	0.1					(1)	0.1
Ross River virus		10 (13)	4.2	7	40 (10)	13.6	3	18 (15)	8.0
Typhus					1	0.1			
West Nile virus/Kunjin virus									
Zoonotic diseases									
Q Fever									0.1
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19		29 (1)	6.5		17 (3)	6.6		51 (4)	11.1
Legionellosis		1 (1)	0.4				1	1 (1)	0.3
Leprosy									0.1
Meningococcal infection		2	0.3			0.1			0.1
RSV	4	36	14.2	4	30	20.0	4	29	18.6
Tuberculosis		2	0.7		(1)	0.1		2 (2)	0.5
iGAS		3	1.1	1	3	1.0	1	2	1.1
Grand Total	72	494 (575)		116	587 (542)		132	659 (670)	

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 (unspecified)		2 (4)	2.7					(10)	2.7
Hepatitis C (newly acquired)		1	1.6						
Hepatitis C (unspecified)	3	7 (10)	6.0	2	8 (7)	17.9		(8)	4.0
Hepatitis D									
Enteric diseases									
Campylobacteriosis	2	13 (15)	26.6	1	9 (3)	30.9	1	5 (5)	13.5
Cryptosporidiosis		(1)	1.1			1.6			
Hepatitis A		1	0.5						
Listeriosis									
Rotavirus	1	1	1.6			3.3			2.7
STEC/VTEC infection		(1)	0.5					1	2.7
Salmonellosis	1	8 (12)	10.9	2	2	4.9	1	3 (4)	5.4
Shigellosis									
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	9	41 (37)	52.2	3	7 (9)	32.5	3	15 (14)	45.8
Gonorrhoea		5 (6)	8.2		1 (1)	3.3	1	2 (2)	6.7
Syphilis (congenital)									
Syphilis - Infectious		2 (1)	2.2		1	3.3		1 (1)	2.7
Syphilis - Non-Infectious			0.5						
Vaccine preventable diseases									
Influenza			0.5						
Pertussis									
Pneumococcal infection						1.6			
Varicella (chicken pox)	3	7 (2)	4.3					(3)	1.3
Varicella (shingles)	5	25 (27)	35.9		5 (12)	19.5	1	6 (8)	22.9
Varicella (unspecified)		1	1.6	1	4	19.5	1	7 (1)	13.5
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus	1	11 (6)	19.0		1 (8)	30.9		1	9.4
Typhus		(1)	0.5						
West Nile virus/Kunjin virus									
Zoonotic diseases									
Q Fever									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19		4	2.7		2	4.9		2	4.0
Legionellosis		(1)	1.1					1 (1)	1.3
Leprosy									
Meningococcal infection									
RSV		8	37.5	1	6	39.0	1	3	13.5
Tuberculosis		2 (1)	1.1						
iGAS		1	2.2			3.3			
Grand Total	25	140 (125)		10	46 (40)		9	47 (57)	

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 (unspecified)		(2)	3.4		2 (4)	4.0		1 (13)	6.8
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		1 (6)	5.1		(8)	2.0	2	4 (5)	13.5
Hepatitis D									
Enteric diseases									
Campylobacteriosis		1 (4)	8.4		2 (4)	13.8		2 (7)	20.3
Cryptosporidiosis								1	10.2
Hepatitis A									
Listeriosis									
Rotavirus									
STEC/VTEC infection		1	1.7			2.0			
Salmonellosis		1 (1)	5.1		(4)	2.0		3 (6)	22.0
Shigellosis					1	4.0		1 (1)	3.4
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	5	27 (24)	107.8	1	17 (21)	122.7	4	22 (15)	104.9
Gonorrhoea		3 (8)	23.6	1	8 (19)	57.4	1	17 (11)	89.7
Syphilis (congenital)						2.0			1.7
Syphilis - Infectious		3 (1)	13.5	2	2 (2)	15.8	1	6 (11)	30.5
Syphilis - Non-Infectious		2	5.1		(1)	4.0	1	2	5.1
Vaccine preventable diseases									
Influenza									
Pertussis			1.7		1	2.0			
Pneumococcal infection	1	1 (1)	1.7		3	11.9			
Varicella (chicken pox)		3	5.1		1 (2)	5.9		1 (1)	3.4
Varicella (shingles)		(4)	10.1	1	5 (5)	31.7		5 (3)	11.8
Varicella (unspecified)	2	8 (2)	30.3	3	5	9.9			
Vector-borne diseases									
Barmah Forest virus						2.0			1.7
Malaria									
Ross River virus		2	10.1		1 (3)	4.0	1	4 (1)	10.2
Typhus									
West Nile virus/Kunjin virus									
Zoonotic diseases									
Q Fever		1	1.7						
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19		5 (1)	16.8		7	13.8			
Legionellosis									
Leprosy									
Meningococcal infection									
RSV		18	111.1			7.9	4	29	133.7
Tuberculosis			1.7						
iGAS		3	5.1		1	2.0	1	2	5.1
Grand Total	8	80 (54)		8	56 (73)		15	100 (74)	

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 (unspecified)		1 (20)	2.9	3	25 (165)	2.9
Hepatitis C (newly acquired)				0	7 (6)	0.4
Hepatitis C (unspecified)	1	4 (3)	14.5	11	67 (147)	5.8
Hepatitis D				0	0 (2)	0.0
Enteric diseases						
Campylobacteriosis		(4)	2.9	28	155 (205)	21.6
Cryptosporidiosis	2	5 (9)	23.2	9	38 (11)	2.7
Hepatitis A				0	1 (0)	0.0
Listeriosis				0	1 (0)	0.0
Rotavirus	1	3	11.6	6	19 (18)	2.9
STEC/VTEC infection			2.9	2	11 (6)	1.1
Salmonellosis		4 (10)	26.1	9	59 (110)	7.6
Shigellosis		2	14.5	0	4 (6)	0.6
Typhoid				0	3 (0)	0.1
Vibrio parahaemolyticus				0	0 (1)	0.1
Yersiniosis				1	2 (2)	0.1
Sexually transmissible infections						
Chlamydia (genital)	5	27 (44)	293.4	159	796 (933)	80.0
Gonorrhoea	2	29 (35)	232.4	32	192 (207)	20.7
Syphilis (congenital)				0	0 (0)	0.1
Syphilis - Infectious	2	11 (17)	52.3	27	101 (70)	8.3
Syphilis - Non-Infectious			8.7	2	11 (15)	0.9
Vaccine preventable diseases						
Influenza				2	3 (1)	0.2
Pertussis				0	2 (2)	0.3
Pneumococcal infection	1	2	5.8	3	9 (6)	0.7
Varicella (chicken pox)				8	40 (35)	2.6
Varicella (shingles)		2 (4)	32.0	22	162 (226)	17.2
Varicella (unspecified)	1	1	5.8	57	212 (131)	19.3
Vector-borne diseases						
Barmah Forest virus			2.9	0	1 (0)	0.2
Malaria				0	1 (1)	0.1
Ross River virus		3 (1)	17.4	12	92 (57)	9.8
Typhus				0	1 (3)	0.1
West Nile virus/Kunjin virus			2.9	0	0 (0)	0.0
Zoonotic diseases						
Q Fever				0	1 (0)	0.1
Other diseases						
Acute post-streptococcal glomerulonephritis (APS)		1	11.6	0	1 (0)	0.1
COVID-19				0	122 (15)	450.8
Legionellosis			2.9	1	3 (6)	0.3
Leprosy				0	0 (0)	0.0
Meningococcal infection				0	2 (1)	0.1
RSV	12	69	331.2	30	229 (0)	28.0
Tuberculosis				0	7 (5)	0.5
iGAS		1	5.8	3	16 (0)	1.4
Grand Total	27	165 (147)		427	2396 (2396)	

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

	Week Ending								Cumulative Total to end of Week 10	
	21/01	28/01	04/02	11/02	18/02	25/02	04/03	11/03	2022	2021
Salmonella Total	25	29	22	25	16	19	15	9	202	244
Serotype/Phage										
Salmonella Agona	1		2	1	1	1			6	0
Salmonella Anatum	2			1		1			4	2
Salmonella Bareilly									0	2
Salmonella Bovismorbificans				1			1		3	3
Salmonella Braenderup	1								1	0
Salmonella Cerro							1		1	0
Salmonella Chester					1				1	3
Salmonella Choleraesuis bv Australia	1	1			1				3	2
Salmonella Choleraesuis bv Decatur						1	1		2	6
Salmonella Eastbourne									1	2
Salmonella Enteritidis			1						1	4
Salmonella Essen									0	0
Salmonella Give			1						3	2
Salmonella Give var 15+									0	0
Salmonella Havana						1			1	1
Salmonella Houten subsp IV									1	1
Salmonella Hvittingfoss									1	2
Salmonella Infantis					1	1	1		4	5
Salmonella Irumu			1						1	0
Salmonella Kiambu		3							4	1
Salmonella Litchfield					1		1		3	2
Salmonella Mgulani				1					1	0
Salmonella Muenchen	1	1	1		2				5	4
Salmonella Newport							2		2	3
Salmonella Ohlstedt							1		1	0
Salmonella Oranienburg	3		5	2					10	2
Salmonella Orion		1				1			3	3
Salmonella Orion var 15+						1			1	0
Salmonella Paratyphi B bv Java									1	0
Salmonella Poona									0	2
Salmonella Potsdam		1	1						2	5
Salmonella Reading		3		1					5	1
Salmonella Rissen									1	2
Salmonella Rubislaw	1			2					3	1
Salmonella Ruiru		1							1	0
Salmonella Saintpaul	2					1		1	4	8
Salmonella Stanley	1	1				1		1	8	1
Salmonella Thompson	1								1	0
Salmonella Typhimurium	10	14	8	15	4	6	6	2	86	150
Salmonella Virchow									2	5
Salmonella Wandsbek subsp II									0	1
Salmonella Wandsworth									1	1
Salmonella Welikade					2				2	0
Salmonella Weltevreden						1			1	2
Salmonella species	1	3	2	1	2	3	1	5	19	15
Salmonella subsp IIIb 61:l,v:z35					1				1	0