



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 13-NOV-21 to 07-JAN-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 1			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]	
	19/11	26/11	03/12	10/12	17/12	24/12	31/12	07/01	2022	2021	2020				
	Blood-borne diseases[2]														
Hepatitis B (unspecified)	8	10	5	10	4	11	4	3	3	2	5	22	35.1	0.6	
Hepatitis C (newly acquired)	1	1	2	1					0	0	0	0	8.9	0.0	
Hepatitis C (unspecified)	17	13	17	18	20	26	12	10	10	9	11	68	71.1	1.0	
Hepatitis D	1			1	1				0	0	0	1	0.1	7.5	
Enteric diseases															
Campylobacteriosis	71	110	71	70	79	70	57	68	68	94	92	274	295.5	0.9	
Cryptosporidiosis			1	2	8	4	5	4	4	3	23	16	24.1	0.7	
Hepatitis A									0	0	0	0	0.9	0.0	
Listeriosis	1	1							0	0	0	0	0.6	0.0	
Rotavirus	46	40	47	31	35	21	13	18	18	1	6	87	25.1	3.5	
STEC/VTEC infection	2	2	5	2	1	1		4	4	6	4	6	10.2	0.6	
Salmonellosis	16	20	13	24	14	13	15	19	19	28	44	61	171.9	0.4	
Shigellosis	1	1	1	2	3	1	2	1	1	2	12	7	23.2	0.3	
Typhoid									0	0	0	0	1.9	0.0	
Vibrio parahaemolyticus	4				1		1	2	2	0	1	4	1.7	2.4	
Yersiniosis				2	2	4	3	2	2	0	0	9	1.1	7.9	
Sexually transmissible infections															
Chancroid									0	0	0	0	0.1	0.0	
Chlamydia (genital)	240	223	214	226	169	188	105	163	163	182	196	625	865.3	0.7	
Gonorrhoea	63	49	56	60	46	43	31	40	40	48	93	160	276.1	0.6	
Syphilis (congenital)									0	0	0	0	0.1	0.0	
Syphilis - Infectious	18	27	21	22	25	23	12	26	26	16	14	86	37.9	2.3	
Syphilis - Non-Infectious	4	5	2	3	9	6			0	2	4	15	14.3	1.1	
Vaccine preventable diseases															
H. influenzae type b			1						0	0	0	0	0.1	0.0	
Influenza			2		2	1	1		0	0	84	2	226.3	0.0	
Mumps									0	0	0	0	1.9	0.0	
Pertussis					1		1	1	1	2	12	2	67.7	0.0	
Pneumococcal infection	4	4	4	4	3	3	1	1	1	3	2	8	11.6	0.7	
Rubella (non-congenital)									0	0	0	0	0.0	0.0	
Tetanus									0	0	0	0	0.1	0.0	
Varicella (chicken pox)	19	26	17	18	3	8	2		0	5	13	13	45.6	0.3	
Varicella (shingles)	56	53	55	61	42	26	11	7	7	61	60	86	176.5	0.5	
Varicella (unspecified)	60	46	46	73	54	64	67	65	65	28	19	250	117.7	2.1	
Vector-borne diseases															
Barmah Forest virus			1	1		3	1		0	0	0	4	1.7	2.4	
Ross River virus	14	3	11	12	14	11	12	11	11	34	13	48	62.9	0.8	
Typhus	1			1	1	3	1		0	0	1	5	2.5	2.0	
Zoonotic diseases															
Leptospirosis									0	0	0	0	0.5	0.0	
Q Fever							1		0	0	0	1	0.6	1.7	
Other diseases															
Acute post-streptococcal glomerulonephritis	1							1	1	0	0	1	1.0	1.0	
Amoebic meningitis									0	0	0	0	0.0	0.0	
COVID-19	8	2	1	1	2	18	25	57	57	6	0	102	8.7	11.7	
Creutzfeldt-Jakob disease			1						0	0	0	0	0.3	0.0	
Haemolytic Uraemic Syndrome									0	0	0	0	0.3	0.0	
Legionellosis			3	4		3	2	2	2	1	0	8	3.7	2.2	
Melioidosis									0	0	0	0	0.3	0.0	
Meningococcal infection							1	1	1	1	0	1	3	2.6	1.2
RSV	2	26	71	56	94	96	134	128	128	2	0	452	0.1	*****	
Tuberculosis	3	7	1	5	5	6	4		0	2	1	15	10.6	1.4	
iGAS				1	2	3	3	3	3	0	0	11	0.0	0.0	
Grand Total	661	677	671	716	642	654	519	637							

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 1			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	19/11	26/11	03/12	10/12	17/12	24/12	31/12	07/01	2022	2021	2020			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	5	9	5	9	3	6	1	2	2	2	5	12	29.1	0.4
Hepatitis C (newly acquired)	1	1	2	1					0	0	0	0	6.8	0.0
Hepatitis C (unspecified)	15	10	14	15	12	17	11	9	9	6	5	49	51.5	1.0
Hepatitis D				1	1				0	0	0	1	0.1	7.5
Enteric diseases														
Campylobacteriosis	54	86	55	54	55	53	44	55	55	80	77	207	234.4	0.9
Cryptosporidiosis		1		6	2	1		3	3	3	20	6	18.3	0.3
Hepatitis A									0	0	0	0	0.9	0.0
Listeriosis	1	1							0	0	0	0	0.5	0.0
Rotavirus	41	34	40	27	29	18	10	15	15	1	5	72	21.9	3.3
STEC/VTEC infection	1	1	4	1	1	1		3	3	5	4	5	7.8	0.6
Salmonellosis	6	15	7	18	8	8	10	15	15	20	37	41	135.7	0.3
Shigellosis	1		1	1	2		2		0	1	9	4	11.4	0.4
Typhoid									0	0	0	0	1.7	0.0
Vibrio parahaemolyticus	2				1		1	2	2	0	1	4	1.5	2.6
Yersiniosis			2	2	4	2		2	2	0	0	8	1.1	7.5
Sexually transmissible infections														
Chlamydia (genital)	184	177	165	177	143	144	85	134	134	148	151	506	677.5	0.7
Gonorrhoea	40	32	40	38	30	30	17	25	25	24	69	102	184.8	0.6
Syphilis (congenital)									0	0	0	0	0.1	0.0
Syphilis - Infectious	10	17	13	12	15	16	6	22	22	10	9	59	24.0	2.5
Syphilis - Non-Infectious	2	3		1	3				0	2	3	3	11.2	0.3
Vaccine preventable diseases														
Influenza		2		1		1			0	0	66	1	173.1	0.0
Pertussis				1			1		0	2	11	1	49.7	0.0
Pneumococcal infection	3	3		3	2	2	1		0	1	2	5	6.5	0.8
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus									0	0	0	0	0.1	0.0
Varicella (chicken pox)	14	20	13	18	3	4	2		0	3	8	9	35.0	0.3
Varicella (shingles)	46	35	33	43	25	12	3		0	40	46	40	128.2	0.3
Varicella (unspecified)	53	41	44	68	51	59	63	57	57	27	19	230	113.1	2.0
Vector-borne diseases														
Barmah Forest virus					1				0	0	0	1	0.5	2.1
Malaria									0	0	1	0	3.2	0.0
Ross River virus	7	1	8	4	7	5	10	6	6	11	7	28	31.8	0.9
Typhus				1	1	2			0	0	1	3	1.4	2.1
Zoonotic diseases														
Q Fever									0	0	0	0	0.2	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis	1								0	0	0	0	0.0	0.0
COVID-19	6	2	1	1	2	14	13	37	37	2	0	66	4.2	15.7
Creutzfeldt-Jakob disease			1						0	0	0	0	0.3	0.0
Haemolytic Uraemic Syndrome									0	0	0	0	0.2	0.0
Legionellosis		2	3		2	2		1	1	1	0	5	2.9	1.7
Melioidosis									0	0	0	0	0.1	0.0
Meningococcal infection						1	1	1	1	0	1	3	1.5	2.0
RSV		14	56	40	64	56	93	89	89	0	0	302	0.0	0.0
Tuberculosis	3	7	1	3	4	5	4		0	2	1	13	9.4	1.4
iGAS					1	3	3	1	1	0	0	8	0.0	0.0
Grand Total	496	514	508	546	472	462	381	479						

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)		4 (6)		2	3 (5)	0.3		5 (8)	
Hepatitis C (unspecified)	1	7 (10)	0.1	5	21 (9)	0.7	3	21 (15)	0.4
Hepatitis D							1		
Enteric diseases									
Campylobacteriosis	20	70 (94)	2.7	19	66 (66)	2.8	16	71 (74)	2.2
Cryptosporidiosis	2	3	0.3		1 (2)		1	2 (4)	0.1
Rotavirus	3	27 (5)	0.4	7	20 (3)	1.0	5	25 (2)	0.7
STEC/VTEC infection		1 (6)					3	4 (4)	0.4
Salmonellosis	5	17 (41)	0.7	4	14 (16)	0.6	6	10 (43)	0.8
Shigellosis		1 (2)			3				
Vibrio parahaemolyticus							2	4	0.3
Yersiniosis	1	2 (1)	0.1	1	6	0.1			
Sexually transmissible infections									
Chlamydia (genital)	32	143 (158)	4.3	44	148 (156)	6.6	58	215 (196)	7.9
Gonorrhoea	3	29 (29)	0.4	7	25 (27)	1.0	15	48 (33)	2.0
Syphilis - Infectious	4	13 (3)	0.5	8	19 (11)	1.2	10	27 (12)	1.4
Syphilis - Non-Infectious		1 (1)			2 (3)				
Vaccine preventable diseases									
Influenza								1 (3)	
Pertussis								1	
Pneumococcal infection		4 (3)						1 (5)	
Varicella (chicken pox)		3 (6)			2 (16)			4 (3)	
Varicella (shingles)		13 (42)			12 (53)			15 (46)	
Varicella (unspecified)	19	78 (41)	2.6	20	84 (46)	3.0	18	68 (22)	2.4
Vector-borne diseases									
Barmah Forest virus					1				
Ross River virus	1	4 (5)	0.1	3	13 (11)	0.4	2	11 (6)	0.3
Typhus		2			1				
Zoonotic diseases									
Q Fever									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19	8	13 (9)	1.1	17	27 (1)	2.5	12	26 (7)	1.6
Legionellosis	1	4	0.1					1 (1)	
Meningococcal infection							1	3	0.1
RSV	19	62	2.6	32	113	4.8	38	127	5.1
Tuberculosis		1 (4)			3 (1)			9 (2)	
iGAS		5		1	2	0.1		1	
Grand Total	119	507 (466)		170	586 (426)		190	701 (486)	

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)		1					1	2	1.3
Hepatitis C (unspecified)		1 (3)			3 (1)		1	2 (4)	1.3
Hepatitis D									
Enteric diseases									
Campylobacteriosis	8	34 (34)	4.3	2	5 (10)	3.3		7 (2)	
Cryptosporidiosis	1	7	0.5						
Rotavirus	1	5	0.5	1	2 (1)	1.6	1	3	1.3
STEC/VTEC infection									
Salmonellosis	1	5 (10)	0.5						
Shigellosis									
Vibrio parahaemolyticus								1	
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	5	22 (43)	2.7		13 (4)		3	9 (14)	4.0
Gonorrhoea		3 (2)		1	2 (1)	1.6			
Syphilis - Infectious	1	3 (1)	0.5						
Syphilis - Non-Infectious									
Vaccine preventable diseases									
Influenza		1							
Pertussis									
Pneumococcal infection									
Varicella (chicken pox)		2 (3)			2 (1)				
Varicella (shingles)	4	25 (25)	2.2		3 (11)			3 (13)	
Varicella (unspecified)	3	3 (1)	1.6	1	4	1.6	1	2 (1)	1.3
Vector-borne diseases									
Barmah Forest virus		2			1				
Ross River virus	1	6 (41)	0.5	3	9 (8)	4.9		2 (2)	
Typhus		1			1 (3)				
Zoonotic diseases									
Q Fever								1	
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19								1	
Legionellosis	1	3	0.5						
Meningococcal infection									
RSV	11	35 (1)	6.0	3	6	4.9	3	8	4.0
Tuberculosis		1							
iGAS	1	1	0.5		1				
Grand Total	38	161 (164)		11	52 (40)		10	41 (36)	

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)		3						1 (2)	
Hepatitis C (unspecified)		3 (2)			3 (2)			3 (4)	
Hepatitis D									
Enteric diseases									
Campylobacteriosis		6 (5)			2 (3)		2	7 (4)	3.4
Cryptosporidiosis		1						1	
Rotavirus		2			1			1	
STEC/VTEC infection									
Salmonellosis	1	3 (1)	1.7	1	3 (4)	2.0		5 (4)	
Shigellosis					1		1	2	1.7
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	4	18 (16)	6.7	6	10 (8)	11.9	4	14 (16)	6.8
Gonorrhoea	2	7 (5)	3.4		3 (9)		2	12 (8)	3.4
Syphilis - Infectious	1	4 (2)	1.7	1	3 (2)	2.0	1	7 (8)	1.7
Syphilis - Non-Infectious					9 (1)			2 (1)	
Vaccine preventable diseases									
Influenza									
Pertussis	1	1	1.7						
Pneumococcal infection				1	1 (2)	2.0		1 (1)	
Varicella (chicken pox)									
Varicella (shingles)	1	3 (2)	1.7	2	9 (3)	4.0		1 (3)	
Varicella (unspecified)		4 (1)		1	1	2.0		1	
Vector-borne diseases									
Barmah Forest virus									
Ross River virus		1 (1)		1	2 (4)	2.0			
Typhus									
Zoonotic diseases									
Q Fever									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19									
Legionellosis									
Meningococcal infection									
RSV	11	25 (1)	18.5		2		7	64	11.8
Tuberculosis		1							
iGAS									
Grand Total	21	82 (36)		13	50 (38)		17	122 (51)	

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)		2		3	22 (21)	0.2
Hepatitis C (unspecified)		3 (2)		10	68 (52)	0.5
Hepatitis D				0	1 (0)	0.0
Enteric diseases						
Campylobacteriosis	1	4 (4)	2.9	68	274 (299)	2.5
Cryptosporidiosis		1		4	16 (8)	0.1
Rotavirus				18	87 (11)	0.7
STEC/VTEC infection	1	1	2.9	4	6 (12)	0.1
Salmonellosis	1	3 (7)	2.9	19	61 (131)	0.7
Shigellosis				1	7 (11)	0.0
Vibrio parahaemolyticus				2	4 (0)	0.1
Yersiniosis				2	9 (1)	0.1
Sexually transmissible infections						
Chlamydia (genital)	7	26 (18)	20.3	163	625 (633)	6.1
Gonorrhoea	10	30 (40)	29.1	40	160 (160)	1.5
Syphilis - Infectious		9 (9)		26	86 (48)	1.0
Syphilis - Non-Infectious				0	15 (8)	0.0
Vaccine preventable diseases						
Influenza				0	2 (10)	0.0
Pertussis				1	2 (5)	0.0
Pneumococcal infection		1 (1)		1	8 (16)	0.0
Varicella (chicken pox)				0	13 (32)	0.0
Varicella (shingles)		2 (5)		7	86 (203)	0.3
Varicella (unspecified)		2 (1)		65	250 (114)	2.4
Vector-borne diseases						
Barmah Forest virus				0	4 (0)	0.0
Ross River virus				11	48 (79)	0.4
Typhus				0	5 (4)	0.0
Zoonotic diseases						
Q Fever				0	1 (0)	0.0
Other diseases						
Acute post-streptococcal glomerulonephritis (APS)	1	1	2.9	1	1 (0)	0.0
COVID-19				57	102 (40)	2.8
Legionellosis				2	8 (3)	0.1
Meningococcal infection				1	3 (2)	0.0
RSV	2	6	5.8	128	452 (2)	4.8
Tuberculosis				0	15 (7)	0.0
iGAS	1	1	2.9	3	11 (0)	0.1
Grand Total	24	92 (87)		637	2452 (1920)	

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

	Week Ending								Cumulative Total to end of Week 1	
	19/11	26/11	03/12	10/12	17/12	24/12	31/12	07/01	2022	2021
	Salmonella Total	16	20	13	24	14	13	15	19	19
Serotype/Phage										
Salmonella Adelaide						1			0	2
Salmonella Agona		1							0	0
Salmonella Bareilly							1		0	0
Salmonella Braenderup				1	1				0	0
Salmonella Cerro								1	1	0
Salmonella Chester	2		1	1			1		0	0
Salmonella Give		1	1						0	0
Salmonella Hessarek	1								0	0
Salmonella Hvittingfoss				1				1	1	0
Salmonella Infantis		1				1	1		0	0
Salmonella Johannesburg					1				0	0
Salmonella Lexington					1				0	0
Salmonella Muenchen				1		1			0	0
Salmonella Newport	1					3			0	0
Salmonella Oranienburg	1				1				0	0
Salmonella Orientalis	1								0	0
Salmonella Orion						1			0	0
Salmonella Paratyphi B bv Java	1								0	0
Salmonella Poona		1	1		1				0	0
Salmonella Potsdam	1	1							0	0
Salmonella Rissen								1	1	0
Salmonella Sachsenwald subsp IV				1					0	0
Salmonella Saintpaul	4	1	2	2	1		2		0	2
Salmonella Stanley	1	2			1				0	0
Salmonella Typhimurium	2	8	6	12	7	4	8	9	9	16
Salmonella Virchow		1		1					0	0
Salmonella Wandsbek subsp II				1					0	0
Salmonella Wandsworth	1							1	1	0
Salmonella species		3	1	3		1	2	6	6	1
Salmonella subsp 1 ser 4,5:d:-						1			0	0
Salmonella subsp IIIb 50:k:z			1						0	0