



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 04-DEC-21 to 28-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 4			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	10/12	17/12	24/12	31/12	07/01	14/01	21/01	28/01	2022	2021	2020			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	10	4	11	4	3	9	13	6	31	27	35	31	36.6	0.8
Hepatitis C (newly acquired)	3	1				1	1	1	3	3	3	3	8.0	0.4
Hepatitis C (unspecified)	16	19	26	11	11	15	23	11	60	70	56	60	71.8	0.8
Hepatitis D	1	1							0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	70	86	70	54	85	71	64	59	279	293	295	279	278.5	1.0
Cholera								1	1	0	0	1	0.0	0.0
Cryptosporidiosis	8	4	6	3	5	3	3	4	15	8	85	15	34.3	0.4
Hepatitis A									0	0	0	0	1.3	0.0
Listeriosis									0	1	0	0	0.7	0.0
Rotavirus	32	35	22	14	20	10	7	11	48	10	23	48	24.6	2.0
STEC/VTEC infection	2	2	1		6	1		1	8	16	13	8	10.7	0.7
Salmonellosis	22	18	13	15	26	17	23	23	89	112	190	89	176.7	0.5
Shigellosis	2	4	1	2	2	3	1	1	7	6	44	7	24.5	0.3
Typhoid									0	1	1	0	1.6	0.0
Vibrio parahaemolyticus		1		1	2				2	1	1	2	1.7	1.2
Yersiniosis	2	4	3		2	1	2	2	7	1	3	7	1.3	5.5
Sexually transmissible infections														
Chancroid									0	1	0	0	0.1	0.0
Chlamydia (genital)	228	172	186	107	204	259	215	163	841	852	899	841	906.2	0.9
Gonorrhoea	63	46	44	32	60	64	62	39	225	209	362	225	284.5	0.8
Syphilis (congenital)							1		1	0	0	1	0.0	0.0
Syphilis - Infectious	23	25	20	8	26	31	21	28	106	63	51	106	43.6	2.4
Syphilis - Non-Infectious	3	9	5	2	1	4	1	1	7	15	18	7	14.9	0.5
Vaccine preventable diseases														
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	2	1	1				1	1	2	2	436	2	246.5	0.0
Mumps									0	0	2	0	1.8	0.0
Pertussis	1			1	1	1		1	3	4	37	3	61.9	0.0
Pneumococcal infection	4	3	5	1	1	3	2		6	6	11	6	9.3	0.6
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Tetanus									0	0	0	0	0.1	0.0
Varicella (chicken pox)	20	4	12	12	8	2		2	12	20	50	12	43.4	0.3
Varicella (shingles)	64	54	46	33	42	45	21	12	120	226	189	120	179.3	0.7
Varicella (unspecified)	70	48	48	43	40	53	81	67	241	122	109	241	116.2	2.1
Vector-borne diseases														
Barmah Forest virus		3	2				2		2	2	1	2	1.9	1.1
Malaria	1					1			1	2	9	1	4.1	0.2
Ross River virus	12	16	13	9	16	26	19	16	77	106	32	77	66.1	1.2
Typhus	1	1	2	1		2			2	2	3	2	2.5	0.8
Zoonotic diseases														
Leptospirosis									0	1	0	0	0.6	0.0
Q Fever				1					0	0	0	0	0.7	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis					1			1	2	0	0	2	0.9	2.1
Amoebic meningitis									0	0	0	0	0.0	0.0
COVID-19	1	2	18	26	61	27	14	2	104	33	0	104	6.7	15.6
Creutzfeldt-Jakob disease			1						0	0	0	0	0.4	0.0
Haemolytic Uraemic Syndrome									0	0	0	0	0.4	0.0
Legionellosis		4	2	2	2	2	1	1	6	2	3	6	2.9	2.0
Leprosy						1			1	0	0	1	0.1	7.5
Melioidosis									0	0	1	0	0.3	0.0
Meningococcal infection			1	1	1	1			2	2	1	2	2.3	0.9
RSV	56	94	96	134	135	98	71	75	379	2	0	379	0.1	*****
Tuberculosis	5	5	6	4			2	1	3	10	8	3	10.3	0.3
iGAS	2	2	4	3	3	4	2	4	13	0	0	13	0.0	0.0
Grand Total	724	668	665	524	764	755	653	534						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 4			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	10/12	17/12	24/12	31/12	07/01	14/01	21/01	28/01	2022	2021	2020			
	Blood-borne diseases[2]													
Hepatitis B (unspecified)	9	3	6	1	2	6	9	6	23	19	30	23	29.8	0.8
Hepatitis C (newly acquired)	3	1				1	1		2	3	2	2	6.5	0.3
Hepatitis C (unspecified)	13	11	17	10	10	11	18	8	47	52	39	47	51.3	0.9
Hepatitis D	1	1							0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	53	62	53	39	69	56	57	49	231	248	239	231	221.9	1.0
Cholera								1	1	0	0	1	0.0	0.0
Cryptosporidiosis	6	2	2		4		2	3	9	7	79	9	28.1	0.3
Hepatitis A									0	0	0	0	1.3	0.0
Listeriosis									0	0	0	0	0.5	0.0
Rotavirus	27	29	18	11	16	8	6	10	40	9	20	40	21.0	1.9
STEC/VTEC infection	1	2	1		4				4	11	10	4	8.1	0.5
Salmonellosis	17	10	8	11	19	15	14	20	68	84	141	68	138.0	0.5
Shigellosis	1	2	1	1	1	3	1	1	6	1	29	6	12.2	0.5
Typhoid									0	0	1	0	1.5	0.0
Vibrio parahaemolyticus		1		1	2				2	1	1	2	1.6	1.3
Yersiniosis	2	4	2		2	1	1	2	6	1	3	6	1.1	5.3
Sexually transmissible infections														
Chlamydia (genital)	177	144	143	87	166	200	167	127	660	669	704	660	711.4	0.9
Gonorrhoea	40	29	30	17	41	44	40	20	145	121	253	145	188.8	0.8
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	13	15	14	4	19	21	16	22	78	32	28	78	27.8	2.8
Syphilis - Non-Infectious	1	3		1		2			2	13	16	2	11.9	0.2
Vaccine preventable diseases														
Influenza	1		1					1	1	2	371	1	191.1	0.0
Pertussis	1			1		1		1	2	4	32	2	47.0	0.0
Pneumococcal infection	3	2	3	1		2	2		4	1	7	4	5.3	0.8
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Tetanus									0	0	0	0	0.1	0.0
Varicella (chicken pox)	20	4	8	12	8	2		1	11	15	34	11	31.6	0.3
Varicella (shingles)	46	37	30	25	27	31	12	5	75	153	141	75	128.3	0.6
Varicella (unspecified)	65	45	44	40	39	51	75	61	226	118	106	226	111.8	2.0
Vector-borne diseases														
Barmah Forest virus		1							0	0	1	0	0.5	0.0
Malaria						1			1	1	7	1	3.5	0.3
Ross River virus	4	10	7	7	9	14	7	12	42	46	21	42	36.1	1.2
Typhus	1	1	1			1			1	0	3	1	1.2	0.8
Zoonotic diseases														
Q Fever									0	0	0	0	0.3	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis									0	0	0	0	0.0	0.0
COVID-19	1	2	14	13	42	23	8		73	14	0	73	3.1	23.3
Creutzfeldt-Jakob disease			1						0	0	0	0	0.3	0.0
Haemolytic Uraemic Syndrome									0	0	0	0	0.2	0.0
Legionellosis		3	2	1	1	2			3	2	2	3	2.2	1.4
Leprosy						1			1	0	0	1	0.1	15.0
Melioidosis									0	0	0	0	0.1	0.0
Meningococcal infection					1	1			2	1	1	2	1.3	1.5
RSV	40	64	56	93	91	63	33	38	225	0	0	225	0.0	0.0
Tuberculosis	3	4	5	4			1		1	10	8	1	9.1	0.1
iGAS		1	3	3	1	2	1	4	8	0	0	8	0.0	0.0
Grand Total	549	493	471	384	574	563	471	392						

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)	2	6 (5)	0.8		5 (5)	0.7	4	12 (9)	1.6
Hepatitis C (newly acquired)		1	0.1					1 (1)	0.1
Hepatitis C (unspecified)	1	5 (8)	0.7	2	16 (15)	2.4	5	26 (29)	3.5
Enteric diseases									
Campylobacteriosis	21	83 (89)	11.2	11	74 (81)	11.0	17	74 (78)	10.0
Cholera							1	1	0.1
Cryptosporidiosis		3	0.4		1 (2)	0.1	3	5 (5)	0.7
Rotavirus	2	7 (2)	0.9	2	17 (3)	2.5	6	16 (4)	2.2
STEC/VTEC infection								4 (6)	0.5
Salmonellosis	7	25 (24)	3.4	7	17 (24)	2.5	6	26 (36)	3.5
Shigellosis	1	3	0.4		2	0.3		1 (1)	0.1
Vibrio parahaemolyticus								2	0.3
Yersiniosis		2 (1)	0.3		1	0.1	2	3	0.4
Sexually transmissible infections									
Chlamydia (genital)	37	197 (204)	26.7	40	188 (198)	28.0	50	275 (267)	37.2
Gonorrhoea	6	42 (44)	5.7	8	35 (30)	5.2	6	68 (47)	9.2
Syphilis (congenital)									
Syphilis - Infectious	8	21 (3)	2.8	4	18 (11)	2.7	10	39 (18)	5.3
Syphilis - Non-Infectious		2 (6)	0.3						
Vaccine preventable diseases									
Influenza	1	1	0.1						
Pertussis		1 (1)	0.1	1	1 (3)	0.1			
Pneumococcal infection		1 (1)	0.1		1	0.1		2	0.3
Varicella (chicken pox)		2 (6)	0.3	1	5 (8)	0.7		4 (1)	0.5
Varicella (shingles)		22 (61)	3.0		32 (53)	4.8	5	21 (39)	2.8
Varicella (unspecified)	16	67 (45)	9.1	23	81 (44)	12.1	22	78 (29)	10.6
Vector-borne diseases									
Barmah Forest virus									
Malaria								1 (1)	0.1
Ross River virus	1	4 (17)	0.5	7	21 (19)	3.1	4	17 (10)	2.3
Typhus								1	0.1
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19		19 (5)	2.6		27 (2)	4.0		27 (7)	3.7
Legionellosis		2 (1)	0.3					1	0.1
Leprosy								1	0.1
Meningococcal infection					1	0.1		1 (1)	0.1
RSV	9	50	6.8	17	87	13.0	12	88	11.9
Tuberculosis								1 (4)	0.1
iGAS	2	3	0.4	2	3	0.4		2	0.3
Grand Total	114	569 (523)		125	633 (498)		153	798 (593)	

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)		3 (2)	1.6					1 (1)	1.3
Hepatitis C (newly acquired)				1	1	1.6			
Hepatitis C (unspecified)	2	5 (5)	2.7		1 (1)	1.6	1	2 (1)	2.7
Enteric diseases									
Campylobacteriosis	7	28 (20)	15.2	1	8 (9)	13.0	1	3 (3)	4.0
Cholera									
Cryptosporidiosis		2 (1)	1.1						
Rotavirus	1	2	1.1		2 (1)	3.3		2	2.7
STEC/VTEC infection	1	1 (3)	0.5					1	1.3
Salmonellosis	3	7 (9)	3.8					1 (5)	1.3
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis		1	0.5						
Sexually transmissible infections									
Chlamydia (genital)	11	33 (55)	17.9	1	7 (11)	11.4	1	13 (17)	17.5
Gonorrhoea	2	4 (2)	2.2		1	1.6		2 (4)	2.7
Syphilis (congenital)									
Syphilis - Infectious		2 (3)	1.1		1	1.6		1 (1)	1.3
Syphilis - Non-Infectious	1	1	0.5						
Vaccine preventable diseases									
Influenza		1	0.5						
Pertussis									
Pneumococcal infection									
Varicella (chicken pox)	1	1 (2)	0.5						
Varicella (shingles)	5	22 (29)	12.0		3 (12)	4.9		3 (15)	4.0
Varicella (unspecified)				3	6	9.8	2	2 (1)	2.7
Vector-borne diseases									
Barmah Forest virus									
Malaria									
Ross River virus	2	11 (29)	6.0	1	15 (16)	24.4		4 (4)	5.4
Typhus					1	1.6			
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19							1	1	1.3
Legionellosis		1	0.5						
Leprosy									
Meningococcal infection									
RSV	14	51 (1)	27.7	3	13	21.1	1	5	6.7
Tuberculosis									
iGAS		2	1.1		1	1.6			
Grand Total	50	178 (161)		10	60 (50)		8	41 (52)	

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 (2)		3.4
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		1 (2)	1.7	1 (4)	2.0		2 (1)		3.4
Enteric diseases									
Campylobacteriosis				2 (2)	4.0		1	5 (3)	8.5
Cholera									
Cryptosporidiosis							1	2	3.4
Rotavirus									
STEC/VTEC infection				1 (1)	2.0				
Salmonellosis		2	3.4				6 (2)		10.2
Shigellosis									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	6	23 (22)	38.7	5	24 (18)	47.5	3	23 (27)	38.9
Gonorrhoea	2	7 (7)	11.8	3	12 (19)	23.7	6	20 (18)	33.8
Syphilis (congenital)								1	1.7
Syphilis - Infectious	1	3 (3)	5.1	1	8 (4)	15.8	2	8 (5)	13.5
Syphilis - Non-Infectious					1	2.0		1	1.7
Vaccine preventable diseases									
Influenza									
Pertussis		1	1.7						
Pneumococcal infection				2	4.0				
Varicella (chicken pox)									
Varicella (shingles)		3 (2)	5.1	1	7 (4)	13.8		1 (6)	1.7
Varicella (unspecified)	1	7 (1)	11.8						
Vector-borne diseases									
Barmah Forest virus							1		1.7
Malaria									
Ross River virus	1	1	1.7	1 (10)	2.0		2		3.4
Typhus									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
COVID-19	1	1	1.7						
Legionellosis	1	1	1.7						
Leprosy									
Meningococcal infection									
RSV	8	37 (1)	62.3	3	5.9		9	31	52.5
Tuberculosis	1	1	1.7						
iGAS							1		1.7
Grand Total	22	90 (38)		10	62 (62)		22	106 (64)	

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)				6	31 (27)	1.2
Hepatitis C (newly acquired)				1	3 (3)	0.1
Hepatitis C (unspecified)		1 (4)	2.9	11	60 (70)	2.4
Enteric diseases						
Campylobacteriosis		1 (3)	2.9	59	279 (293)	10.4
Cholera				1	1 (0)	0.0
Cryptosporidiosis		2	5.8	4	15 (8)	0.6
Rotavirus		1	2.9	11	48 (10)	1.8
STEC/VTEC infection		1	2.9	1	8 (16)	0.3
Salmonellosis		4 (10)	11.6	23	89 (112)	3.3
Shigellosis		1 (3)	2.9	1	7 (6)	0.3
Vibrio parahaemolyticus				0	2 (1)	0.1
Yersiniosis				2	7 (1)	0.3
Sexually transmissible infections						
Chlamydia (genital)	8	47 (28)	136.5	163	841 (852)	31.5
Gonorrhoea	6	33 (37)	95.9	39	225 (209)	8.4
Syphilis (congenital)				0	1 (0)	0.0
Syphilis - Infectious	1	4 (15)	11.6	28	106 (63)	4.0
Syphilis - Non-Infectious		2 (1)	5.8	1	7 (15)	0.2
Vaccine preventable diseases						
Influenza				1	2 (2)	0.1
Pertussis				1	3 (4)	0.1
Pneumococcal infection				0	6 (6)	0.2
Varicella (chicken pox)				2	12 (20)	0.4
Varicella (shingles)	1	5 (2)	14.5	12	120 (226)	4.5
Varicella (unspecified)				67	241 (122)	9.0
Vector-borne diseases						
Barmah Forest virus				0	2 (2)	0.1
Malaria				0	1 (2)	0.0
Ross River virus		1 (1)	2.9	16	77 (106)	2.9
Typhus				0	2 (2)	0.1
Other diseases						
Acute post-streptococcal glomerulonephritis (APS)	1	2	5.8	1	2 (0)	0.1
COVID-19				2	104 (33)	14.1
Legionellosis		1	2.9	1	6 (2)	0.2
Leprosy				0	1 (0)	0.0
Meningococcal infection				0	2 (2)	0.1
RSV	2	10	29.1	75	379 (2)	14.2
Tuberculosis				1	3 (10)	0.1
iGAS		1	2.9	4	13 (0)	0.5
Grand Total	19	117 (104)		534	2706 (2231)	

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

Serotype/Phage	Week Ending								Cumulative Total to end of Week 4	
	10/12	17/12	24/12	31/12	07/01	14/01	21/01	28/01	2022	2021
	Salmonella Total	22	18	13	15	26	17	23	23	89
Salmonella Adelaide			1						0	2
Salmonella Agona							1		1	0
Salmonella Anatum							2		2	1
Salmonella Bareilly				1					0	0
Salmonella Bovismorbificans					1				1	1
Salmonella Braenderup	1	1						1	1	0
Salmonella Cerro			1						0	0
Salmonella Chester	1								0	1
Salmonella Choleraesuis bv Australia							1	1	2	2
Salmonella Eastbourne					1				1	1
Salmonella Enteritidis								1	1	0
Salmonella Give						2			2	1
Salmonella Give var 15+			1						0	0
Salmonella Houten subsp IV						1			1	0
Salmonella Hvittingfoss	1				1				1	1
Salmonella Infantis			1	1		1			1	1
Salmonella Johannesburg		1							0	0
Salmonella Kiambu						1		2	3	0
Salmonella Lexington		1							0	0
Salmonella Litchfield					1				1	0
Salmonella Muenchen	1		1				1		1	2
Salmonella Newport		1	2						0	0
Salmonella Oranienburg		1					3		3	1
Salmonella Orion		1			1				1	0
Salmonella Paratyphi B bv Java					1				1	0
Salmonella Poona	1	1							0	0
Salmonella Potsdam							1		1	4
Salmonella Reading						1		3	4	0
Salmonella Rissen					1				1	2
Salmonella Rubislaw							1		1	1
Salmonella Sachsenwald subsp IV	1								0	0
Salmonella Saintpaul	2	2		1			2		2	2
Salmonella Stanley		1			2	2		1	5	0
Salmonella Thompson							1		1	0
Salmonella Typhimurium	10	8	4	10	14	7	8	10	39	68
Salmonella Virchow	1				1	1			2	3
Salmonella Wandsbek subsp II	1					1			1	0
Salmonella Wandsworth					1				1	0
Salmonella species	2		1	2	1		1	5	7	6
Salmonella subsp 1 ser 4,5:d:-			1						0	0