



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 04-DEC-18 to 28-JAN-19

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	2019	2018	2017			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)		1	2		1	2	1		4	1	1	4	1.6	2.5
Hepatitis B (unspecified)	5	9	16	3	3	8	18	8	37	34	36	37	38.3	1.0
Hepatitis C (newly acquired)	2	3	4	2	3	1		1	5	13	9	5	10.9	0.5
Hepatitis C (unspecified)	16	11	19	6	6	15	21	23	65	81	88	65	73.5	0.9
Hepatitis D									0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	90	60	80	60	83	70	39	47	239	284	348	239	246.7	1.0
Cryptosporidiosis	2	2	3	6	2	2	3	1	8	13	61	8	26.8	0.3
Hepatitis A	1			1			2		2	0	1	2	1.7	1.2
Hepatitis E						1			1	0	1	1	0.1	7.5
Listeriosis						1	1	1	3	0	1	3	0.7	4.5
Paratyphoid fever	1								0	1	1	0	1.2	0.0
Rotavirus	8	8	2	3	2	3	1	4	10	30	43	10	29.6	0.3
STEC/VTEC infection	8	5	3	2	3	2	2	1	8	10	7	8	3.2	2.5
Salmonellosis	29	26	25	22	34	38	39	28	139	195	253	139	168.5	0.8
Shigellosis	4	5	3	12	9	21	10	4	44	34	13	44	13.3	3.3
Typhoid									0	2	0	0	1.3	0.0
Vibrio parahaemolyticus				1	2	1	1		4	3	1	4	1.5	2.6
Yersiniosis		1				1			1	1	0	1	0.9	1.2
Sexually transmissible infections														
Chlamydia (genital)	226	220	192	88	215	277	285	151	928	930	950	928	884.1	1.0
Gonorrhoea	83	72	61	45	93	99	88	41	321	271	285	321	221.1	1.5
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	17	11	13	3	10	11	15	6	42	24	26	42	18.5	2.3
Syphilis - Non-Infectious	1	5	2	1	2	5	2	3	12	17	10	12	9.1	1.3
Vaccine preventable diseases														
Diphtheria									0	0	0	0	0.1	0.0
H. influenzae type b									0	1	0	0	0.1	0.0
Influenza	121	88	70	80	108	135	153	78	474	240	141	474	155.6	3.0
Measles	1		1	1		4	2		6	1	6	6	2.3	2.6
Mumps					1				1	3	5	1	17.8	0.1
Pertussis	17	15	12	7	11	14	8	3	36	102	116	36	123.8	0.3
Pneumococcal infection	3	4	2	1	2	4	2		8	14	10	8	8.6	0.9
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Tetanus									0	0	0	0	0.0	0.0
Varicella (chicken pox)	10	14	11	10	9	16	6	1	32	36	51	32	33.5	1.0
Varicella (shingles)	40	46	31	38	35	43	16	5	99	178	162	99	131.7	0.8
Varicella (unspecified)	28	27	38	21	26	30	41	40	137	129	126	137	119.5	1.1
Vector-borne diseases														
Barmah Forest virus							1	1	2	2	0	2	3.5	0.6
Chikungunya									0	0	2	0	1.1	0.0
Dengue fever	6	2	5	2	3	10	4	2	19	15	30	19	39.8	0.5
Japanese encephalitis virus									0	0	0	0	0.0	0.0
Malaria		1	1	1					0	6	9	0	5.4	0.0
Murray Valley encephalitis virus									0	0	0	0	0.0	0.0
Ross River virus	8	8	4	4	9	14	10	9	42	60	150	42	107.1	0.4
Typhus				1		1			1	1	4	1	1.9	0.5
Zika virus									0	0	0	0	0.4	0.0
Zoonotic diseases														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis	1	1							0	0	0	0	0.1	0.0
Q Fever		1							0	2	1	0	0.6	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis						1			1	4	0	1	0.7	1.4
Creutzfeldt-Jakob disease									0	0	0	0	0.5	0.0
Haemolytic Uraemic Syndrome									0	0	1	0	0.2	0.0
Legionellosis			1		1		1		2	3	3	2	5.2	0.4
Leprosy									0	0	0	0	0.3	0.0
Melioidosis									0	0	0	0	0.7	0.0
Meningococcal infection		1		3			1	1	2	4	2	2	1.7	1.2
Tuberculosis	4	11	5	4		2	3		5	2	7	5	10.3	0.5
Grand Total	732	658	606	428	673	832	776	459						

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	2019	2018	2017			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)		1	1			2	1		3	1	0	3	1.1	2.6
Hepatitis B (unspecified)	3	8	12	3	2	8	17	6	33	25	33	33	30.5	1.1
Hepatitis C (newly acquired)		1	4	1	3	1			4	12	6	4	8.9	0.4
Hepatitis C (unspecified)	11	9	15	5	3	10	17	13	43	53	68	43	53.8	0.8
Hepatitis D									0	0	0	0	0.4	0.0
Enteric diseases														
Campylobacteriosis	73	45	58	47	69	50	31	43	193	220	283	193	192.2	1.0
Cryptosporidiosis	1	1	1	6	1	1	1	1	4	6	46	4	18.3	0.2
Hepatitis A	1			1			2		2	0	1	2	1.2	1.7
Hepatitis E						1			1	0	1	1	0.1	7.5
Listeriosis						1	1	1	3	0	1	3	0.6	5.0
Paratyphoid fever	1								0	1	1	0	1.1	0.0
Rotavirus	7	6	2	2	2	3	1	4	10	24	36	10	23.8	0.4
STEC/VTEC infection	8	4	3	2	2	1	2	1	6	8	2	6	2.0	3.0
Salmonellosis	21	19	21	16	28	33	32	26	119	154	198	119	128.7	0.9
Shigellosis	1	3	1	7	6	11	7	3	27	8	0	27	5.0	5.4
Typhoid									0	2	0	0	1.2	0.0
Vibrio parahaemolyticus				1	2	1	1		4	3	1	4	1.5	2.7
Yersiniosis		1				1			1	1	0	1	0.8	1.3
Sexually transmissible infections														
Chlamydia (genital)	178	171	162	64	163	207	228	125	723	733	744	723	677.6	1.1
Gonorrhoea	60	52	49	32	69	69	61	37	236	174	178	236	137.3	1.7
Syphilis (congenital)									0	0	0	0	0.0	0.0
Syphilis - Infectious	8	6	11	1	5	7	10	4	26	21	18	26	14.8	1.8
Syphilis - Non-Infectious	1	3	1		2	5	2	1	10	14	8	10	7.3	1.4
Vaccine preventable diseases														
Diphtheria									0	0	0	0	0.1	0.0
Influenza	89	59	41	42	73	104	115	63	355	196	116	355	125.6	2.8
Measles	1		1				2	2	4	1	6	4	1.9	2.1
Mumps									0	3	4	0	1.7	0.0
Pertussis	13	10	8	6	8	12	8	1	29	70	91	29	90.5	0.3
Pneumococcal infection	2	3	1		2	3			5	7	9	5	4.3	1.2
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Tetanus									0	0	0	0	0.0	0.0
Varicella (chicken pox)	9	11	9	9	8	12	5		25	27	34	25	24.2	1.0
Varicella (shingles)	29	34	28	27	23	33	10	1	67	140	113	67	98.3	0.7
Varicella (unspecified)	27	26	33	20	23	28	38	33	122	118	117	122	108.1	1.1
Vector-borne diseases														
Barmah Forest virus									0	0	0	0	1.1	0.0
Chikungunya									0	0	1	0	0.9	0.0
Dengue fever	6	2	4	1	3	10	4	2	19	14	25	19	32.2	0.6
Japanese encephalitis virus									0	0	0	0	0.0	0.0
Malaria		1	1	1					0	6	8	0	4.7	0.0
Murray Valley encephalitis virus									0	0	0	0	0.0	0.0
Ross River virus	4	4	3	3	6	10	9	8	33	41	70	33	65.0	0.5
Typhus									0	1	2	0	1.3	0.0
Zika virus									0	0	0	0	0.3	0.0
Zoonotic diseases														
Leptospirosis	1	1							0	0	0	0	0.1	0.0
Q Fever									0	0	0	0	0.1	0.0
Other diseases														
Creutzfeldt-Jakob disease									0	0	0	0	0.2	0.0
Legionellosis			1		1		1		2	3	1	2	3.6	0.6
Leprosy									0	0	0	0	0.2	0.0
Melioidosis									0	0	0	0	0.2	0.0
Meningococcal infection		1		1			1		1	3	2	1	1.1	0.9
Tuberculosis	3	11	4	4		2	3		5	1	7	5	8.8	0.6
Grand Total	558	493	475	302	504	628	610	373						

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)		1	0.1		1 (1)	0.1		1	0.1
Hepatitis B (unspecified)	1	12 (10)	1.5	2	5 (6)	0.7	3	16 (9)	2.1
Hepatitis C (newly acquired)		1	0.1		1 (4)	0.1		2 (8)	0.3
Hepatitis C (unspecified)	6	9 (8)	1.2	1	14 (25)	2.0	6	20 (20)	2.6
Enteric diseases									
Campylobacteriosis	13	69 (77)	8.8	15	63 (78)	9.0	15	61 (65)	8.0
Cryptosporidiosis	1	3 (2)	0.4		1 (1)	0.1			
Hepatitis A		1	0.1		1	0.1			
Hepatitis E								1	0.1
Listeriosis					2	0.3	1	1	0.1
Rotavirus	2	4 (9)	0.5		1 (8)	0.1	2	5 (7)	0.7
STEC/VTEC infection		3 (4)	0.4	1	1 (3)	0.1		2 (1)	0.3
Salmonellosis	7	54 (64)	6.9	11	23 (51)	3.3	8	42 (39)	5.5
Shigellosis		4 (3)	0.5	3	7 (3)	1.0		16 (2)	2.1
Vibrio parahaemolyticus		2	0.3		1 (3)	0.1		1	0.1
Yersiniosis					1	0.1			
Sexually transmissible infections									
Chlamydia (genital)	37	209 (254)	26.7	37	244 (238)	34.8	51	270 (241)	35.6
Gonorrhoea	7	64 (43)	8.2	10	79 (45)	11.3	20	93 (86)	12.3
Syphilis - Infectious	1	8 (7)	1.0	1	8 (6)	1.1	2	10 (8)	1.3
Syphilis - Non-Infectious	1	5 (6)	0.6		2 (2)	0.3		3 (6)	0.4
Vaccine preventable diseases									
Influenza	22	126 (82)	16.1	20	123 (64)	17.5	21	106 (50)	14.0
Measles		1 (1)	0.1		3	0.4			
Mumps									
Pertussis	1	9 (32)	1.2		15 (22)	2.1		5 (16)	0.7
Pneumococcal infection		2 (2)	0.3		1 (2)	0.1		2 (3)	0.3
Varicella (chicken pox)		7 (13)	0.9		9 (9)	1.3		9 (5)	1.2
Varicella (shingles)		25 (48)	3.2		24 (47)	3.4	1	18 (45)	2.4
Varicella (unspecified)	12	43 (42)	5.5	10	51 (52)	7.3	11	28 (24)	3.7
Vector-borne diseases									
Barmah Forest virus									
Dengue fever	2	9 (6)	1.2		6 (5)	0.9		4 (3)	0.5
Ross River virus		8 (3)	1.0	5	17 (21)	2.4	3	8 (17)	1.1
Typhus									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
Legionellosis					1 (1)	0.1		1	0.1
Meningococcal infection					1 (2)	0.1			
Tuberculosis		3 (1)	0.4		1	0.1		1	0.1
Grand Total	113	682 (717)		116	707 (699)		144	726 (655)	

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	1 (2)	0.5						
Hepatitis C (newly acquired)	1	1	0.5						
Hepatitis C (unspecified)	3	8 (10)	4.2	2	3 (4)	4.8		3 (1)	3.8
Enteric diseases									
Campylobacteriosis	1	22 (27)	11.5		5 (8)	7.9		3 (6)	3.8
Cryptosporidiosis		2 (4)	1.0		1	1.6			
Hepatitis A									
Hepatitis E									
Listeriosis									
Rotavirus									
STEC/VTEC infection		1	0.5						
Salmonellosis		5 (9)	2.6		2 (3)	3.2		4 (3)	5.0
Shigellosis		1	0.5					1	1.3
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	9	51 (39)	26.6	1	4 (25)	6.3	2	11 (11)	13.9
Gonorrhoea		16 (11)	8.3		1	1.6		1 (1)	1.3
Syphilis - Infectious		1 (1)	0.5		1	1.6			
Syphilis - Non-Infectious	1	1 (1)	0.5						
Vaccine preventable diseases									
Influenza	2	12 (17)	6.3	3	21 (2)	33.3		5 (5)	6.3
Measles		2	1.0						
Mumps		1	0.5						
Pertussis		2 (14)	1.0		1 (11)	1.6		1 (3)	1.3
Pneumococcal infection		1	0.5						
Varicella (chicken pox)		3 (1)	1.6						
Varicella (shingles)	3	15 (20)	7.8		2 (5)	3.2	1	2 (2)	2.5
Varicella (unspecified)	2	3	1.6	2	4 (2)	6.3	1	1 (2)	1.3
Vector-borne diseases									
Barmah Forest virus	1	2 (2)	1.0						
Dengue fever									
Ross River virus		5 (13)	2.6	1	2 (2)	3.2		1 (2)	1.3
Typhus									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
Legionellosis									
Meningococcal infection									
Tuberculosis									
Grand Total	24	156 (171)		9	47 (62)		4	33 (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 (newly acquired)									
Hepatitis B (unspecified)					1 (3)	1.6			
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	2	3 (3)	4.3	3	3 (5)	4.9		1 (2)	1.4
Enteric diseases									
Campylobacteriosis		1 (4)	1.4		2 (7)	3.3	1	5 (6)	7.2
Cryptosporidiosis		1	1.4						
Hepatitis A									
Hepatitis E									
Listeriosis									
Rotavirus									
STEC/VTEC infection		1	1.4						
Salmonellosis	1	2 (5)	2.8	1	3 (5)	4.9		1 (3)	1.4
Shigellosis				1	4 (4)	6.5		2 (5)	2.9
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	1	19 (19)	26.9	1	29 (22)	47.5	1	25 (24)	36.0
Gonorrhoea		3 (8)	4.3	1	12 (11)	19.6	1	20 (13)	28.8
Syphilis - Infectious		1	1.4		1	1.6	1	5	7.2
Syphilis - Non-Infectious				1	1	1.6			
Vaccine preventable diseases									
Influenza	3	18 (3)	25.5		8 (5)	13.1	2	9 (1)	13.0
Measles									
Mumps									
Pertussis	1	1 (1)	1.4				1	1	1.4
Pneumococcal infection		1 (3)	1.4						
Varicella (chicken pox)					1 (1)	1.6	1	2	2.9
Varicella (shingles)					5 (1)	8.2		3 (1)	4.3
Varicella (unspecified)		1 (5)	1.4		1	1.6			
Vector-borne diseases									
Barmah Forest virus									
Dengue fever									
Ross River virus									
Typhus					1	1.6			
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
Legionellosis									
Meningococcal infection							1	1	1.4
Tuberculosis									
Grand Total	8	52 (51)		8	72 (64)		9	75 (55)	

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)		1	2.5	0	4 (1)	0.1
Hepatitis B (unspecified)				8	37 (34)	1.3
Hepatitis C (newly acquired)				1	5 (13)	0.1
Hepatitis C (unspecified)				23	65 (81)	2.3
Enteric diseases						
Campylobacteriosis	1	3 (4)	7.4	47	239 (284)	8.5
Cryptosporidiosis				1	8 (13)	0.3
Hepatitis A				0	2 (0)	0.1
Hepatitis E				0	1 (0)	0.0
Listeriosis				1	3 (0)	0.1
Rotavirus				4	10 (30)	0.4
STEC/VTEC infection				1	8 (10)	0.3
Salmonellosis		2 (11)	5.0	28	139 (195)	4.9
Shigellosis		9 (15)	22.3	4	44 (34)	1.6
Vibrio parahaemolyticus				0	4 (3)	0.1
Yersiniosis				0	1 (1)	0.0
Sexually transmissible infections						
Chlamydia (genital)	10	54 (51)	134.0	151	928 (930)	32.9
Gonorrhoea	1	24 (45)	59.5	41	321 (271)	11.4
Syphilis - Infectious	1	7 (2)	17.4	6	42 (24)	1.5
Syphilis - Non-Infectious				3	12 (17)	0.2
Vaccine preventable diseases						
Influenza	4	36 (8)	89.3	78	474 (240)	16.8
Measles				0	6 (1)	0.2
Mumps				0	1 (3)	0.0
Pertussis				3	36 (102)	1.3
Pneumococcal infection		1 (1)	2.5	0	8 (14)	0.3
Varicella (chicken pox)				1	32 (36)	1.1
Varicella (shingles)		3 (5)	7.4	5	99 (178)	3.5
Varicella (unspecified)	2	3	7.4	40	137 (129)	4.9
Vector-borne diseases						
Barmah Forest virus				1	2 (2)	0.1
Dengue fever				2	19 (15)	0.7
Ross River virus		1 (1)	2.5	9	42 (60)	1.5
Typhus				0	1 (1)	0.0
Other diseases						
Acute post-streptococcal glomerulonephritis (APS)		1 (4)	2.5	0	1 (4)	0.0
Legionellosis				0	2 (3)	0.1
Meningococcal infection				1	2 (4)	0.1
Tuberculosis				0	5 (2)	0.2
Grand Total	19	145 (147)		459	2740 (2745)	

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	2019	2018
	Salmonella Total	29	26	25	22	34	38	39	28	139
Salmonella Agona	1					1			1	4
Salmonella Anatum							1		1	1
Salmonella Anatum var 15+			1						0	0
Salmonella Bovismorbificans	1								0	0
Salmonella Braenderup			1						0	0
Salmonella Chailey				1					0	0
Salmonella Chester						1	2		3	0
Salmonella Choleraesuis bv Decatur			1						0	1
Salmonella Corvallis					1	1			2	1
Salmonella Enteritidis	2	4	1	1	5	3	6	4	18	12
Salmonella Havana				1					0	1
Salmonella Heidelberg	2					1			1	1
Salmonella Houten subsp IV			1			1			1	1
Salmonella Hvittingfoss	1								0	3
Salmonella Johannesburg	1	1							0	0
Salmonella Kentucky		1	1	1			1		1	6
Salmonella Litchfield					1		1		2	0
Salmonella Muenchen			1						0	2
Salmonella Newport	2	1	1		1				1	0
Salmonella Oranienburg						1			1	1
Salmonella Orion						1			1	3
Salmonella Papuana					1				1	0
Salmonella Paratyphi B bv Java	1		1		3	3	2		8	5
Salmonella Poona							1		1	0
Salmonella Potsdam				1					0	0
Salmonella Saintpaul		1		3	1	1			2	14
Salmonella Schwarzengrund					1	1			2	0
Salmonella Singapore					1				1	0
Salmonella Stanley	1					1	1		2	2
Salmonella Typhimurium	13	14	12	12	17	18	15	4	54	106
Salmonella Virchow	1			2			2	1	3	2
Salmonella Waycross			1						0	0
Salmonella Welikade	1		1						0	2
Salmonella Weltevreden	1	1	1						0	2
Salmonella species	1	3	1		2	4	7	19	32	8