



## Department of Health

### STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program  
Communicable Disease Control Directorate

Report for eight week period 20-NOV-18 to 14-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](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 2			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	26/11	03/12	10/12	17/12	24/12	31/12	07/01	14/01	2019	2018	2017			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)	2			1	2			2	2	1	1	4	1.5	2.7
Hepatitis B (unspecified)	11	11	5	9	16	3	4	8	12	9	11	31	39.3	0.8
Hepatitis C (newly acquired)	4	2	2	3	3	1	3		3	4	1	7	11.2	0.6
Hepatitis C (unspecified)	24	19	16	11	20	7	6	17	23	33	40	50	74.7	0.7
Hepatitis D	1								0	0	0	0	0.3	0.0
<b>Enteric diseases</b>														
Campylobacteriosis	83	82	90	58	78	58	67	57	124	146	181	260	251.5	1.0
Cryptosporidiosis	1	2	2	2	3	6	1	1	2	8	23	11	24.2	0.5
Hepatitis A			1			1			0	0	0	1	1.5	0.7
Hepatitis E									0	0	0	0	0.1	0.0
Listeriosis		1						1	1	0	1	1	0.6	1.7
Paratyphoid fever			1						0	1	1	0	1.0	0.0
Rotavirus	8	7	8	8	2	3	1	1	2	18	22	7	30.8	0.2
STEC/VTEC infection	6	3	8	5	2	3	1		1	7	3	6	3.4	1.8
Salmonellosis	41	61	29	25	22	23	28	23	51	77	121	96	162.9	0.6
Shigellosis	3	3	4	5	3	12	6	11	17	22	8	32	12.5	2.6
Typhoid		1							0	1	0	0	1.3	0.0
Vibrio parahaemolyticus						1	2	1	3	2	0	4	1.8	2.2
Yersiniosis	1			1					0	0	0	0	0.9	0.0
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	234	233	225	220	189	88	213	164	377	491	495	654	861.0	0.8
Gonorrhoea	64	71	83	72	61	44	85	47	132	130	139	237	212.3	1.1
Syphilis (congenital)		1							0	0	0	0	0.0	0.0
Syphilis - Infectious	8	15	19	11	9	3	7	10	17	14	17	29	17.0	1.7
Syphilis - Non-Infectious	1	6	1	5	2	1	2	5	7	10	4	10	9.0	1.1
<b>Vaccine preventable diseases</b>														
Diphtheria								1	1	0	0	1	0.1	15.0
H. influenzae type b									0	0	0	0	0.1	0.0
Influenza	70	93	121	88	68	78	91	52	143	107	79	289	149.3	1.9
Measles		1	1		1	1		2	2	1	2	4	2.3	1.7
Mumps									0	1	1	0	16.2	0.0
Pertussis	32	18	16	13	10	6	10	5	15	67	59	31	133.5	0.2
Pneumococcal infection	3	4	3	4	1		2	2	4	11	4	5	9.0	0.6
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus									0	0	0	0	0.0	0.0
Varicella (chicken pox)	11	14	10	13	11	10	7	1	8	18	32	29	34.7	0.8
Varicella (shingles)	34	44	40	46	29	34	20	6	26	88	77	89	129.0	0.7
Varicella (unspecified)	29	37	28	28	38	23	32	31	63	63	61	124	114.9	1.1
<b>Vector-borne diseases</b>														
Barmah Forest virus									0	0	0	0	3.5	0.0
Chikungunya									0	0	2	0	1.3	0.0
Dengue fever	4	3	6	2	5	1	3	1	4	6	16	10	34.5	0.3
Japanese encephalitis virus									0	0	0	0	0.0	0.0
Malaria		2		1	1	1			0	1	5	2	5.5	0.4
Murray Valley encephalitis virus									0	0	0	0	0.0	0.0
Ross River virus	6	3	7	7	4	2	8	10	18	30	83	24	100.7	0.2
Typhus						1			0	1	2	1	2.2	0.5
Zika virus									0	0	0	0	0.4	0.0
<b>Zoonotic diseases</b>														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis			1						0	0	0	0	0.1	0.0
Psittacosis									0	0	0	0	0.1	0.0
Q Fever		1		1					0	1	1	0	0.6	0.0
<b>Other diseases</b>														
Acute post-streptococcal glomerulonephritis		1							0	0	0	0	0.7	0.0
Creutzfeldt-Jakob disease									0	0	0	0	0.4	0.0
Haemolytic Uraemic Syndrome									0	0	1	0	0.2	0.0
Legionellosis					1				0	2	3	1	5.4	0.2
Leprosy									0	0	0	0	0.4	0.0
Melioidosis									0	0	0	0	0.6	0.0
Meningococcal infection		1		1		3			0	3	0	3	1.6	1.9
Tuberculosis	5	6	4	11	5	4	1	2	3	1	4	12	10.7	1.1
<b>Grand Total</b>	<b>686</b>	<b>746</b>	<b>731</b>	<b>651</b>	<b>586</b>	<b>418</b>	<b>600</b>	<b>461</b>						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 2			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	26/11	03/12	10/12	17/12	24/12	31/12	07/01	14/01	2019	2018	2017			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)	2			1	1			2	2	1	0	3	1.0	3.0
Hepatitis B (unspecified)	10	7	3	8	12	3	2	8	10	8	9	25	32.1	0.8
Hepatitis C (newly acquired)	1	2		1	3		3		3	3	1	6	9.1	0.7
Hepatitis C (unspecified)	17	16	11	9	16	6	3	12	15	21	33	37	55.5	0.7
Hepatitis D	1								0	0	0	0	0.3	0.0
<b>Enteric diseases</b>														
Campylobacteriosis	64	61	73	45	57	46	54	40	94	108	145	197	194.3	1.0
Cryptosporidiosis		1	1	1	1	6	1		1	3	17	8	16.5	0.5
Hepatitis A			1			1			0	0	0	1	1.1	0.9
Hepatitis E									0	0	0	0	0.1	0.0
Listeriosis		1						1	1	0	1	1	0.5	1.9
Paratyphoid fever			1						0	1	1	0	0.9	0.0
Rotavirus	5	7	7	6	2	2	1	1	2	15	17	6	25.5	0.2
STEC/VTEC infection	5	3	8	4	1	3	1		1	5	1	5	2.1	2.3
Salmonellosis	31	52	21	18	19	16	23	21	44	58	94	79	124.3	0.6
Shigellosis	3	2	1	3	1	7	3	9	12	4	0	20	4.4	4.5
Typhoid		1							0	1	0	0	1.1	0.0
Vibrio parahaemolyticus						1	2	1	3	2	0	4	1.7	2.4
Yersiniosis	1			1					0	0	0	0	0.7	0.0
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	168	182	176	173	158	64	162	129	291	397	402	513	660.9	0.8
Gonorrhoea	49	57	60	52	49	31	66	38	104	80	93	184	132.8	1.4
Syphilis (congenital)		1							0	0	0	0	0.0	0.0
Syphilis - Infectious	8	12	9	6	7	1	3	6	9	13	11	17	13.6	1.3
Syphilis - Non-Infectious	1	5	1	3	1		2	5	7	7	2	8	7.2	1.1
<b>Vaccine preventable diseases</b>														
Diphtheria									0	0	0	0	0.1	0.0
Influenza	47	55	89	59	40	41	58	41	99	85	65	180	117.9	1.5
Measles		1	1		1				0	1	2	1	2.0	0.5
Mumps									0	1	1	0	1.9	0.0
Pertussis	18	16	12	10	7	6	6	4	10	47	44	23	95.4	0.2
Pneumococcal infection	2	3	2	3	1			1	1	6	3	2	4.6	0.4
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Tetanus									0	0	0	0	0.0	0.0
Varicella (chicken pox)	8	11	9	11	9	9	7	1	8	13	21	26	25.4	1.0
Varicella (shingles)	28	37	29	34	26	25	13	3	16	69	47	67	97.2	0.7
Varicella (unspecified)	29	33	27	26	33	21	27	26	53	58	58	107	103.5	1.0
<b>Vector-borne diseases</b>														
Barmah Forest virus									0	0	0	0	1.2	0.0
Chikungunya									0	0	1	0	1.1	0.0
Dengue fever	4	3	6	2	4		3	1	4	6	15	8	27.5	0.3
Japanese encephalitis virus									0	0	0	0	0.0	0.0
Malaria		1		1	1	1			0	1	4	2	4.7	0.4
Murray Valley encephalitis virus									0	0	0	0	0.0	0.0
Ross River virus	3	1	4	3	3	1	5	7	12	22	42	16	61.9	0.3
Typhus									0	1	1	0	1.7	0.0
Zika virus									0	0	0	0	0.3	0.0
<b>Zoonotic diseases</b>														
Leptospirosis			1						0	0	0	0	0.1	0.0
Q Fever		1							0	0	0	0	0.1	0.0
<b>Other diseases</b>														
Creutzfeldt-Jakob disease									0	0	0	0	0.2	0.0
Legionellosis					1				0	2	1	1	3.7	0.3
Leprosy									0	0	0	0	0.2	0.0
Melioidosis									0	0	0	0	0.3	0.0
Meningococcal infection				1		1			0	2	0	1	1.1	0.9
Tuberculosis	5	5	3	11	4	4	1	2	3	0	4	11	9.2	1.2
<b>Grand Total</b>	<b>510</b>	<b>577</b>	<b>556</b>	<b>492</b>	<b>458</b>	<b>296</b>	<b>446</b>	<b>359</b>						

## 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]
<b>Blood-borne diseases[2]</b>									
Hepatitis B (newly acquired)	1	1 (1)	0.1	1	1 (1)	0.1		1	
Hepatitis B (unspecified)	3	12 (6)	0.6	2	4 (5)	0.3	3	9 (11)	0.4
Hepatitis C (newly acquired)		3	0.1		1 (3)			2 (5)	0.3
Hepatitis C (unspecified)	1	6 (11)	0.4	7	18 (16)	1.0	4	13 (14)	0.7
<b>Enteric diseases</b>									
Campylobacteriosis	19	75 (69)	5.0	9	64 (61)	4.0	12	58 (71)	3.6
Cryptosporidiosis		3 (2)	0.1		1 (1)			4 (1)	
Hepatitis A					1				
Listeriosis				1	1	0.1			
Rotavirus		1 (15)	0.1	1	5 (9)	0.1			
STEC/VTEC infection		1 (4)						4 (3)	0.1
Salmonellosis	12	42 (40)	3.5	1	12 (38)	0.4	8	25 (43)	1.8
Shigellosis	1	1 (2)	0.1	2	5 (1)	0.3	6	14 (3)	1.2
Vibrio parahaemolyticus	1	1 (2)	0.1		2 (2)	0.1		1 (1)	0.1
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	33	148 (213)	9.6	48	178 (228)	14.4	48	187 (229)	15.2
Gonorrhoea	11	52 (32)	3.1	10	53 (32)	4.4	17	79 (65)	6.5
Syphilis - Infectious	1	4 (9)	0.3	3	7 (5)	0.4	2	6 (6)	0.5
Syphilis - Non-Infectious	2	4 (4)	0.4	1	1 (5)	0.1	2	3 (3)	0.4
<b>Vaccine preventable diseases</b>									
Diphtheria									
Influenza	21	75 (65)	5.1	8	63 (51)	4.8	12	42 (35)	3.3
Measles								1	
Pertussis	2	5 (44)	0.5	2	12 (25)	0.9		6 (23)	
Pneumococcal infection	1	1 (2)	0.1					1 (2)	
Varicella (chicken pox)		10 (10)	0.3	1	12 (6)	0.7		4 (7)	0.1
Varicella (shingles)		25 (35)	0.5	2	29 (34)	1.3	1	13 (31)	0.4
Varicella (unspecified)	10	35 (37)	2.2	11	46 (45)	3.6	5	26 (28)	1.5
<b>Vector-borne diseases</b>									
Dengue fever	1	3 (2)	0.3		5 (2)	0.3			
Malaria					1			1 (1)	
Ross River virus	2	4 (5)	0.5	5	8 (15)	0.9		4 (11)	0.3
Typhus									
<b>Other diseases</b>									
Legionellosis		1 (1)							
Meningococcal infection					1 (3)				
Tuberculosis	1	5 (2)	0.1	1	2 (2)	0.3		4 (3)	
<b>Grand Total</b>	<b>123</b>	<b>518 (613)</b>		<b>116</b>	<b>533 (590)</b>		<b>120</b>	<b>508 (596)</b>	

## 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]
<b>Blood-borne diseases[2]</b>									
Hepatitis B (newly acquired)									
Hepatitis B (unspecified)		3			1 (1)				
Hepatitis C (newly acquired)					1				
Hepatitis C (unspecified)	3	5 (7)	2.1				1	2	2.5
<b>Enteric diseases</b>									
Campylobacteriosis	10	32 (30)	8.9	2	5 (7)	4.8		5 (8)	1.3
Cryptosporidiosis	1	1 (2)	0.5						
Hepatitis A									
Listeriosis									
Rotavirus									
STEC/VTEC infection									
Salmonellosis	2	4 (10)	1.0		2 (3)	3.2		3 (3)	2.5
Shigellosis		1	0.5				1	1	1.3
Vibrio parahaemolyticus									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	9	36 (36)	14.1	2	6 (17)	3.2	5	13 (10)	8.8
Gonorrhoea	3	7 (9)	2.6		2	1.6			
Syphilis - Infectious	1	1 (2)	0.5		1	1.6			
Syphilis - Non-Infectious									
<b>Vaccine preventable diseases</b>									
Diphtheria									
Influenza	2	19 (11)	3.6	1	13 (4)	11.1	1	6 (4)	3.8
Measles	2	3	1.0						
Pertussis	1	3 (19)	1.0		1 (10)	1.6		1 (3)	1.3
Pneumococcal infection					1 (1)	1.6		1	1.3
Varicella (chicken pox)		1 (3)			1 (2)				
Varicella (shingles)	2	13 (16)	3.6		4 (3)	1.6		2 (1)	1.3
Varicella (unspecified)	1	1	0.5		2 (2)	1.6			
<b>Vector-borne diseases</b>									
Dengue fever		2							
Malaria									
Ross River virus	1	5 (7)	2.1	1	1 (1)	1.6			
Typhus		1							
<b>Other diseases</b>									
Legionellosis									
Meningococcal infection									
Tuberculosis		1							
<b>Grand Total</b>	<b>38</b>	<b>139 (152)</b>		<b>6</b>	<b>41 (51)</b>		<b>8</b>	<b>34 (29)</b>	

## 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]
<b>Blood-borne diseases[2]</b>									
Hepatitis B (newly acquired)								1	
Hepatitis B (unspecified)									
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		1 (3)			1 (1)		1	1 (3)	1.4
<b>Enteric diseases</b>									
Campylobacteriosis	1	3 (5)	1.4	1	2 (4)	1.6	1	3 (7)	4.3
Cryptosporidiosis								1	
Hepatitis A									
Listeriosis									
Rotavirus									
STEC/VTEC infection									
Salmonellosis		1 (4)			1 (3)	1.6		1 (5)	
Shigellosis								3 (6)	
Vibrio parahaemolyticus									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	4	22 (18)	12.8	5	14 (17)	19.6	3	16 (12)	11.5
Gonorrhoea		1 (7)		1	10 (10)	6.5	2	13 (7)	8.6
Syphilis - Infectious				1	1	1.6	1	5	4.3
Syphilis - Non-Infectious									
<b>Vaccine preventable diseases</b>									
Diphtheria							1	1	1.4
Influenza	1	5 (2)	4.3	1	4 (1)	4.9	1	7 (2)	4.3
Measles									
Pertussis									
Pneumococcal infection									
Varicella (chicken pox)					1				
Varicella (shingles)									
Varicella (unspecified)				1	1	1.6	1	4 (1)	2.9
<b>Vector-borne diseases</b>									
Dengue fever									
Malaria									
Ross River virus									
Typhus									
<b>Other diseases</b>									
Legionellosis									
Meningococcal infection					1 (1)			1	
Tuberculosis									
<b>Grand Total</b>	<b>6</b>	<b>33 (39)</b>		<b>10</b>	<b>36 (37)</b>		<b>11</b>	<b>57 (43)</b>	

## 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]
<b>Blood-borne diseases[2]</b>						
Hepatitis B (newly acquired)				2	4 (3)	0.1
Hepatitis B (unspecified)		1 (1)	2.5	8	31 (30)	0.4
Hepatitis C (newly acquired)				0	7 (9)	0.0
Hepatitis C (unspecified)		1 (3)		17	50 (60)	0.9
<b>Enteric diseases</b>						
Campylobacteriosis	1	7 (5)	5.0	57	260 (271)	4.4
Cryptosporidiosis		1 (3)		1	11 (10)	0.1
Hepatitis A				0	1 (0)	0.0
Listeriosis				1	1 (0)	0.0
Rotavirus				1	7 (34)	0.1
STEC/VTEC infection		1		0	6 (11)	0.0
Salmonellosis		4 (5)		23	96 (160)	1.8
Shigellosis	1	7 (13)	7.4	11	32 (30)	0.6
Vibrio parahaemolyticus				1	4 (5)	0.1
<b>Sexually transmissible infections</b>						
Chlamydia (genital)	7	27 (36)	44.7	164	654 (822)	13.4
Gonorrhoea	3	16 (37)	19.8	47	237 (212)	4.7
Syphilis - Infectious	1	3	5.0	10	29 (22)	0.6
Syphilis - Non-Infectious				5	10 (18)	0.1
<b>Vaccine preventable diseases</b>						
Diphtheria				1	1 (1)	0.0
Influenza	2	49 (14)	32.2	52	289 (194)	5.1
Measles				2	4 (1)	0.1
Pertussis		1		5	31 (126)	0.5
Pneumococcal infection	1	1 (1)	2.5	2	5 (12)	0.1
Varicella (chicken pox)				1	29 (34)	0.3
Varicella (shingles)	1	2 (4)	2.5	6	89 (131)	0.9
Varicella (unspecified)				31	124 (118)	2.2
<b>Vector-borne diseases</b>						
Dengue fever				1	10 (8)	0.1
Malaria				0	2 (1)	0.0
Ross River virus	1	2	2.5	10	24 (43)	0.6
Typhus				0	1 (2)	0.0
<b>Other diseases</b>						
Legionellosis				0	1 (3)	0.0
Meningococcal infection				0	3 (6)	0.0
Tuberculosis				2	12 (12)	0.0
<b>Grand Total</b>	<b>18</b>	<b>123 (122)</b>		<b>461</b>	<b>2066 (2398)</b>	

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

	Week Ending								Cumulative Total to end of Week 2	
	26/11	03/12	10/12	17/12	24/12	31/12	07/01	14/01	2019	2018
	<b>Salmonella Total</b>	<b>41</b>	<b>61</b>	<b>29</b>	<b>25</b>	<b>22</b>	<b>23</b>	<b>28</b>	<b>23</b>	<b>51</b>
<b>Serotype/Phage</b>										
Salmonella Agona			1						0	4
Salmonella Albany		1							0	1
Salmonella Anatum var 15+					1				0	0
Salmonella Ball		1							0	0
Salmonella Bareilly	1								0	0
Salmonella Bovismorbificans			1						0	0
Salmonella Braenderup					1				0	0
Salmonella Bredeney	1	1							0	0
Salmonella Chailey						1			0	0
Salmonella Chester	2								0	0
Salmonella Choleraesuis bv Decatur					1				0	0
Salmonella Corvallis							1		1	0
Salmonella Eastbourne		1							0	0
Salmonella Enteritidis	6	1	2	4	1	1	4		4	7
Salmonella Havana						1			0	0
Salmonella Heidelberg			2						0	0
Salmonella Houten subsp IV					1				0	0
Salmonella Hvittingfoss	1		1						0	1
Salmonella Infantis	1								0	1
Salmonella Johannesburg			1	1					0	0
Salmonella Kentucky				1	1	1			0	2
Salmonella Litchfield							1		1	0
Salmonella Mbandaka		1							0	0
Salmonella Muenchen	1				1				0	1
Salmonella Muenster	1								0	0
Salmonella Newport		1	2	1	1				0	0
Salmonella Ohlstedt		1							0	0
Salmonella Oranienburg	1	1							0	1
Salmonella Orientalis		1							0	0
Salmonella Orion								1	1	3
Salmonella Paratyphi B bv Java		3	1				3		3	3
Salmonella Poona		1							0	0
Salmonella Rissen		1							0	1
Salmonella Saintpaul	1	1		1		3	1		1	6
Salmonella Singapore							1		1	0
Salmonella Stanley	2		1						0	0
Salmonella Typhimurium	16	41	13	13	10	14	12	6	18	32
Salmonella Virchow			1			2			0	2
Salmonella Waycross					1				0	0
Salmonella Welikade		1	1		1				0	2
Salmonella Weltevreden			1	1	1				0	2
Salmonella Weltevreden var 15+	1								0	0
Salmonella species	6	3	1	3	1		5	16	21	3