



## Department of Health

### STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program  
Communicable Disease Control Directorate

Report for eight week period 01-JAN-18 to 25-FEB-18

#### **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 8			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	07/01	14/01	21/01	28/01	04/02	11/02	18/02	25/02	2018	2017	2016			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)			1						1	1	3	0	1.9	0.0
Hepatitis B (unspecified)	4	5	13	13	13	17	7	13	85	77	73	50	45.9	1.1
Hepatitis C (newly acquired)	1	2	4	4	2	4	2	2	21	20	19	10	10.4	1.0
Hepatitis C (unspecified)	10	24	23	25	16	23	16	21	158	175	139	76	80.5	0.9
<b>Enteric diseases</b>														
Campylobacteriosis	76	69	73	64	53	83	74	51	543	605	483	261	213.7	1.2
Cryptosporidiosis	5	3	1	4	3	5	5	2	28	130	55	15	43.1	0.3
Listeriosis					2		1		3	1	1	3	0.5	5.6
Paratyphoid fever	1						1		2	3	6	1	1.5	0.7
Rotavirus	9	9	6	6	9	4	7	4	54	74	22	24	23.9	1.0
STEC/VTEC infection	6	1	1	2	2	3	1		16	13	6	6	1.5	4.1
Salmonellosis	43	31	70	46	48	41	38	53	370	531	391	180	175.1	1.0
Shigellosis	11	10	8	5	4	1	9	3	51	30	21	17	9.5	1.8
Typhoid	1		1		1		2		5	1	1	3	0.9	3.5
Vibrio parahaemolyticus	1		2						3	3	6	0	1.9	0.0
Yersiniosis			1		1				2	0	3	1	1.1	0.9
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	214	273	232	204	260	246	206	235	1870	2052	1938	947	971.9	1.0
Gonorrhoea	64	62	71	69	69	65	69	61	530	654	458	264	217.8	1.2
Syphilis - Infectious	4	10	8	3	9	7	13	10	64	62	56	39	16.1	2.4
Syphilis - Non-Infectious	1	9	2	5	9	2	4	3	35	23	10	18	8.2	2.2
<b>Vaccine preventable diseases</b>														
Diphtheria									0	0	0	0	0.0	0.0
H. influenzae type b				1					1	0	0	0	0.0	0.0
Influenza	52	54	68	62	98	77	75	62	548	265	292	312	133.9	2.3
Measles	1								1	7	0	0	2.2	0.0
Mumps	1		2		1				4	6	179	1	21.9	0.0
Pertussis	35	27	17	14	22	23	21	19	178	206	330	85	115.1	0.7
Pneumococcal infection	6	4	2	1	3	1		1	18	19	11	5	7.5	0.7
Varicella (chicken pox)	8	6	7	11	9	23	11	5	80	99	64	48	31.3	1.5
Varicella (shingles)	39	48	47	38	37	46	48	18	321	317	266	149	120.0	1.2
Varicella (unspecified)	30	35	36	34	35	35	42	53	300	269	259	165	116.6	1.4
<b>Vector-borne diseases</b>														
Barmah Forest virus			2		1				3	8	2	1	30.7	0.0
Chikungunya									0	4	1	0	1.7	0.0
Dengue fever	1	5	7	2	3	1	2		21	50	106	6	51.8	0.1
Malaria	1		1	4	1	1			11	18	14	5	6.0	0.8
Ross River virus	17	13	14	13	12	14	14	12	109	279	77	52	148.5	0.4
Typhus	1				1				3	7	2	2	2.2	0.9
<b>Zoonotic diseases</b>														
Leptospirosis								1	1	0	1	1	0.1	15.0
Q Fever	1		1	1					3	2	0	0	0.6	0.0
<b>Other diseases</b>														
Acute post-streptococcal glomerulonephritis			1	3	2	2	1		9	1	0	5	0.1	75.0
Creutzfeldt-Jakob disease									0	0	2	0	0.2	0.0
Legionellosis		2	1		1	1			5	6	3	2	4.9	0.4
Meningococcal infection	2	1		1	1			1	6	4	2	2	1.5	1.3
Tuberculosis		1	2	1	4	4	7	6	25	13	22	21	10.5	2.0
<b>Grand Total</b>	<b>646</b>	<b>705</b>	<b>724</b>	<b>636</b>	<b>732</b>	<b>729</b>	<b>677</b>	<b>639</b>						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 8			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	07/01	14/01	21/01	28/01	04/02	11/02	18/02	25/02	2018	2017	2016			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)			1						1	0	3	0	1.5	0.0
Hepatitis B (unspecified)	4	4	9	8	13	14	4	10	66	65	60	41	35.1	1.2
Hepatitis C (newly acquired)	1	1	4	4	1	4	1	1	17	14	16	7	8.3	0.8
Hepatitis C (unspecified)	6	16	14	19	10	21	11	17	114	129	106	59	58.8	1.0
<b>Enteric diseases</b>														
Campylobacteriosis	54	53	58	52	42	58	62	41	420	493	391	203	168.3	1.2
Cryptosporidiosis	1	2		3	2	5	2	1	16	105	37	10	27.1	0.4
Listeriosis					1		1		2	1	1	2	0.5	3.8
Paratyphoid fever	1						1		2	3	5	1	1.4	0.7
Rotavirus	8	7	4	5	9	4	6	3	46	53	20	22	18.5	1.2
STEC/VTEC infection	4	1	1	2	1	2	1		12	5	2	4	0.6	6.7
Salmonellosis	34	22	55	40	41	31	33	35	291	425	297	140	130.1	1.1
Shigellosis	1	3	2	2	1	1	6	2	18	5	15	10	4.5	2.2
Typhoid	1		1		1		2		5	1	1	3	0.7	4.1
Vibrio parahaemolyticus	1		2						3	3	6	0	1.8	0.0
Yersiniosis			1		1				2	0	3	1	0.9	1.1
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	168	226	182	153	202	189	160	181	1461	1599	1478	732	741.1	1.0
Gonorrhoea	35	43	55	39	44	39	42	46	343	421	300	171	132.9	1.3
Syphilis - Infectious	3	10	6	3	9	7	12	8	58	43	44	36	11.7	3.1
Syphilis - Non-Infectious	1	6	2	5	8	1	4	2	29	19	8	15	6.1	2.4
<b>Vaccine preventable diseases</b>														
Diphtheria									0	0	0	0	0.0	0.0
Influenza	46	38	61	49	83	62	57	46	442	215	251	248	107.1	2.3
Measles	1								1	7	0	0	2.0	0.0
Mumps	1		2						3	5	3	0	3.2	0.0
Pertussis	26	18	11	10	18	18	18	17	136	167	231	71	87.2	0.8
Pneumococcal infection	2	3	1		2	1			9	16	3	3	3.8	0.8
Varicella (chicken pox)	7	4	6	8	7	15	4	3	54	62	48	29	21.8	1.3
Varicella (shingles)	31	38	38	29	30	35	31	13	245	224	199	109	91.1	1.2
Varicella (unspecified)	27	32	33	30	30	33	39	45	269	252	224	147	103.0	1.4
<b>Vector-borne diseases</b>														
Barmah Forest virus									0	2	1	0	22.5	0.0
Chikungunya									0	2	1	0	1.5	0.0
Dengue fever	1	5	6	2	3		2		19	42	90	5	41.8	0.1
Malaria	1		1	4	1	1		3	11	16	12	5	5.3	0.9
Ross River virus	12	9	8	10	10	11	11	7	78	133	44	39	88.3	0.4
Typhus	1								2	2	2	1	1.3	0.8
<b>Zoonotic diseases</b>														
Leptospirosis								1	1	0	1	1	0.1	15.0
Q Fever			1						1	1	0	0	0.2	0.0
<b>Other diseases</b>														
Creutzfeldt-Jakob disease									0	0	0	0	0.1	0.0
Legionellosis		2	1		1	1			5	4	1	2	3.6	0.6
Meningococcal infection	1	1		1	1				4	4	1	1	1.0	1.0
Tuberculosis			2	1	3	4	5	5	20	13	19	17	9.2	1.8
<b>Grand Total</b>	<b>480</b>	<b>545</b>	<b>567</b>	<b>479</b>	<b>575</b>	<b>557</b>	<b>516</b>	<b>487</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)						0.1			
Hepatitis B (unspecified)	2	15 (10)	3.3	1	5 (8)	1.6	7	21 (14)	4.1
Hepatitis C (newly acquired)				1	5 (2)	1.3		2 (3)	1.1
Hepatitis C (unspecified)	6	14 (17)	2.9	3	16 (15)	6.0	8	29 (29)	6.9
<b>Enteric diseases</b>									
Campylobacteriosis	11	75 (83)	19.7	17	66 (62)	21.0	13	62 (65)	16.9
Cryptosporidiosis	1	2 (9)	0.5		4 (31)	0.7		4 (19)	0.9
Listeriosis		1	0.1					1	0.1
Paratyphoid fever								1 (1)	0.3
Rotavirus	2	10 (9)	2.5		4 (4)	1.8	1	8 (4)	2.0
STEC/VTEC infection		4 (1)	1.0			0.4		(2)	0.1
Salmonellosis	8	45 (69)	13.8	11	49 (72)	14.7	16	46 (83)	11.4
Shigellosis	1	5 (1)	1.0		2 (2)	0.7	1	3 (2)	0.7
Typhoid		2	0.4		(1)	0.1		1	0.1
Vibrio parahaemolyticus					(1)	0.4			
Yersiniosis								1	0.3
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	58	226 (292)	62.3	59	230 (258)	68.0	64	276 (302)	69.8
Gonorrhoea	12	40 (70)	10.8	18	50 (71)	13.7	16	81 (101)	22.5
Syphilis - Infectious	1	9 (6)	2.2	4	11 (6)	2.5	3	16 (13)	3.2
Syphilis - Non-Infectious		3 (2)	1.2		3 (2)	0.7	2	9 (7)	2.0
<b>Vaccine preventable diseases</b>									
H. influenzae type b									
Influenza	19	93 (41)	22.6	12	79 (36)	20.7	15	76 (22)	17.0
Measles			0.1						
Mumps								(1)	0.4
Pertussis	5	30 (32)	7.7	7	24 (25)	6.6	5	17 (19)	4.3
Pneumococcal infection		(1)	0.3		1 (1)	0.3		2 (4)	0.7
Varicella (chicken pox)	1	8 (15)	2.6	1	14 (8)	3.2	1	7 (4)	1.6
Varicella (shingles)	3	36 (37)	10.8	5	38 (44)	12.3	5	35 (30)	10.6
Varicella (unspecified)	15	47 (51)	11.8	18	60 (40)	16.3	12	40 (44)	8.9
<b>Vector-borne diseases</b>									
Barmah Forest virus									
Dengue fever		2 (6)	1.0		2 (5)	1.0		1 (6)	0.5
Malaria		2 (1)	0.5	2	2 (1)	0.4	1	1 (6)	0.5
Ross River virus	2	8 (12)	1.4	4	21 (32)	6.0	1	10 (19)	3.5
Typhus						0.1	1	1	0.1
<b>Zoonotic diseases</b>									
Leptospirosis								1	0.1
Q Fever					(1)	0.1			
<b>Other diseases</b>									
Acute post-streptococcal glomerulonephritis (APS)									
Legionellosis		(3)	0.3		2	0.4			
Meningococcal infection			0.1		(1)	0.3		1 (1)	0.1
Tuberculosis		5 (2)	0.9	2	4 (3)	0.7	3	8 (1)	1.1
<b>Grand Total</b>	<b>147</b>	<b>682 (770)</b>		<b>165</b>	<b>692 (732)</b>		<b>175</b>	<b>761 (802)</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 (3)	2.7					2 (1)	3.8
Hepatitis C (newly acquired)					1 (1)	1.6		1 (1)	1.3
Hepatitis C (unspecified)		(5)	5.3		2 (2)	9.6	1	4 (7)	5.1
<b>Enteric diseases</b>									
Campylobacteriosis	5	29 (15)	29.8	3	6 (7)	22.5	1	7 (8)	17.7
Cryptosporidiosis		2 (2)	3.2						
Listeriosis									
Paratyphoid fever									
Rotavirus		(6)	0.5			1.6		(1)	2.5
STEC/VTEC infection					1 (1)	4.8			
Salmonellosis	7	14 (12)	12.2		3 (6)	9.6	4	6 (5)	11.4
Shigellosis		1 (1)	0.5						
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	11	42 (59)	42.0	4	16 (17)	64.2	6	16 (19)	34.2
Gonorrhoea	5	20 (9)	16.5				1	2 (5)	3.8
Syphilis - Infectious		(1)	0.5						
Syphilis - Non-Infectious			0.5						
<b>Vaccine preventable diseases</b>									
H. influenzae type b									
Influenza	4	18 (3)	18.1	1	4	9.6	2	3 (3)	10.1
Measles									
Mumps									
Pertussis	2	5 (4)	9.0		5 (4)	22.5		1	5.1
Pneumococcal infection						1.6			
Varicella (chicken pox)	1	3 (8)	2.1	1	2 (3)	8.0		(1)	1.3
Varicella (shingles)	2	17 (19)	19.7	2	8 (6)	19.2		3 (1)	6.3
Varicella (unspecified)		2 (3)	1.1	2	2 (2)	8.0	3	4	7.6
<b>Vector-borne diseases</b>									
Barmah Forest virus		(1)	1.1		1 (1)	1.6			
Dengue fever									
Malaria									
Ross River virus	1	5 (23)	9.6		1 (8)	4.8		1 (4)	3.8
Typhus					1	1.6			
<b>Zoonotic diseases</b>									
Leptospirosis									
Q Fever									1.3
<b>Other diseases</b>									
Acute post-streptococcal glomerulonephritis (APS)									
Legionellosis									
Meningococcal infection				1	1	1.6			
Tuberculosis		1	0.5		1	1.6			
<b>Grand Total</b>	<b>38</b>	<b>162 (174)</b>		<b>14</b>	<b>55 (58)</b>		<b>18</b>	<b>50 (56)</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)									
Hepatitis B (unspecified)					(1)	4.9	1	2 (2)	4.4
Hepatitis C (newly acquired)		(1)	1.4	1	1	1.6			
Hepatitis C (unspecified)	2	6 (5)	12.9		1 (2)	9.9	1	1 (2)	4.4
<b>Enteric diseases</b>									
Campylobacteriosis		2 (5)	8.6	1	5 (7)	19.7		4 (1)	14.6
Cryptosporidiosis		1 (1)	1.4						
Listeriosis									
Paratyphoid fever									
Rotavirus		1 (5)	2.9		(1)	1.6	1	1	1.5
STEC/VTEC infection								1	1.5
Salmonellosis	5	6 (5)	15.7		1 (4)	9.9		4 (10)	10.2
Shigellosis		1 (6)	2.9		2 (1)	9.9		1 (3)	8.7
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	5	29 (25)	68.6	9	21 (16)	70.6	8	29 (36)	77.3
Gonorrhoea	1	6 (6)	20.0	4	13 (20)	39.4	1	8 (23)	29.2
Syphilis - Infectious					1	1.6			
Syphilis - Non-Infectious			1.4		1	1.6		(1)	1.5
<b>Vaccine preventable diseases</b>									
H. influenzae type b									1.5
Influenza	4	10 (2)	17.2		4 (4)	14.8		8 (2)	13.1
Measles									
Mumps					1	1.6			
Pertussis		3 (1)	5.7						
Pneumococcal infection		1	5.7			3.3			
Varicella (chicken pox)						1.6			
Varicella (shingles)		1 (4)	2.9		5 (4)	8.2		(4)	1.5
Varicella (unspecified)	3	9 (3)	20.0			1.6			1.5
<b>Vector-borne diseases</b>									
Barmah Forest virus									
Dengue fever								1	2.9
Malaria									
Ross River virus	2	2	2.9					(10)	1.5
Typhus									
<b>Zoonotic diseases</b>									
Leptospirosis									
Q Fever			1.4						
<b>Other diseases</b>									
Acute post-streptococcal glomerulonephritis (APS)					1	1.6			
Legionellosis						1.6			
Meningococcal infection									
Tuberculosis	1	1	1.4						1.5
<b>Grand Total</b>	<b>23</b>	<b>79 (69)</b>		<b>15</b>	<b>57 (60)</b>		<b>12</b>	<b>60 (94)</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)				0	0 (0)	0.0
Hepatitis B (unspecified)	2	2 (1)	12.5	13	50 (41)	3.0
Hepatitis C (newly acquired)				2	10 (11)	0.8
Hepatitis C (unspecified)		2 (3)	12.5	21	76 (87)	5.7
<b>Enteric diseases</b>						
Campylobacteriosis		4 (2)	20.1	51	261 (257)	19.7
Cryptosporidiosis	1	2 (2)	12.5	2	15 (69)	1.0
Listeriosis		1	2.5	0	3 (0)	0.1
Paratyphoid fever				0	1 (2)	0.1
Rotavirus				4	24 (31)	2.0
STEC/VTEC infection				0	6 (6)	0.6
Salmonellosis	2	6 (6)	37.6	53	180 (276)	13.4
Shigellosis	1	2	42.7	3	17 (17)	1.8
Typhoid				0	3 (1)	0.2
Vibrio parahaemolyticus				0	0 (2)	0.1
Yersiniosis				0	1 (0)	0.1
<b>Sexually transmissible infections</b>						
Chlamydia (genital)	11	58 (66)	273.5	235	947*****	67.7
Gonorrhoea	1	39 (59)	205.8	61	264 (368)	19.2
Syphilis - Infectious		(10)	5.0	10	39 (36)	2.3
Syphilis - Non-Infectious				3	18 (13)	1.1
<b>Vaccine preventable diseases</b>						
H. influenzae type b				0	0 (0)	0.0
Influenza	2	6 (10)	35.1	62	312 (124)	19.8
Measles				0	0 (1)	0.0
Mumps				0	1 (1)	0.1
Pertussis		(1)	2.5	19	85 (90)	6.4
Pneumococcal infection	1	1 (1)	5.0	1	5 (8)	0.7
Varicella (chicken pox)		13 (3)	35.1	5	48 (45)	2.9
Varicella (shingles)		3 (5)	20.1	18	149 (155)	11.6
Varicella (unspecified)				53	165 (143)	10.9
<b>Vector-borne diseases</b>						
Barmah Forest virus				0	1 (8)	0.1
Dengue fever				0	6 (20)	0.8
Malaria				3	5 (9)	0.4
Ross River virus	2	4 (19)	10.0	12	52 (129)	3.9
Typhus				1	2 (3)	0.1
<b>Zoonotic diseases</b>						
Leptospirosis				0	1 (0)	0.0
Q Fever				0	0 (1)	0.1
<b>Other diseases</b>						
Acute post-streptococcal glomerulonephritis (APS)		4 (1)	20.1	0	5 (1)	0.3
Legionellosis				0	2 (3)	0.2
Meningococcal infection				1	2 (2)	0.2
Tuberculosis				6	21 (6)	0.5
<b>Grand Total</b>	<b>23</b>	<b>147 (189)</b>		<b>639</b>	<b>2778 (3094)</b>	

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

	Week Ending								Cumulative Total to end of Week 8	
	07/01	14/01	21/01	28/01	04/02	11/02	18/02	25/02	2018	2017
	<b>Salmonella Total</b>	<b>43</b>	<b>31</b>	<b>70</b>	<b>46</b>	<b>48</b>	<b>41</b>	<b>38</b>	<b>53</b>	<b>370</b>
<b>Serotype/Phage</b>										
Salmonella Aberdeen			1						1	1
Salmonella Agona	3		1						4	2
Salmonella Albany		1							1	0
Salmonella Anatum			1		1	2		2	6	1
Salmonella Bareilly				1					1	1
Salmonella Bovismorbificans							1		1	4
Salmonella Cerro					1				1	0
Salmonella Chester					2				2	3
Salmonella Choleraesuis bv Australia			2				1		3	3
Salmonella Choleraesuis bv Decatur			1					1	2	0
Salmonella Corvallis			1						1	1
Salmonella Eastbourne									0	1
Salmonella Enteritidis	5	2	2	3	2	2	4		20	27
Salmonella Fremantle subsp II						1			1	1
Salmonella Give		1							1	3
Salmonella Hadar					1				1	1
Salmonella Havana								1	1	2
Salmonella Heidelberg			1						1	0
Salmonella Houten subsp IV			1		1				2	0
Salmonella Hvittingfoss		2	2				1	1	6	5
Salmonella Infantis	1			1		1	1		4	6
Salmonella Javiana	1								1	4
Salmonella Johannesburg					1				1	2
Salmonella Kentucky	1	1	1	2	1		2		8	5
Salmonella Kiambu								1	1	4
Salmonella Kottbus	1								1	0
Salmonella Lindern		1							1	0
Salmonella Mbandaka					1				1	2
Salmonella Mississippi				1					1	0
Salmonella Muenchen		1	1		1	1	2	3	9	4
Salmonella Newport							1		1	6
Salmonella Oranienburg		1						1	2	0
Salmonella Orientalis								1	1	0
Salmonella Orion	1	2							3	0
Salmonella Paratyphi B bv Java	1	1		1	1				4	9
Salmonella Poona						2			2	0
Salmonella Rissen	1								1	0
Salmonella Saintpaul	5		6	2	4	2	1	1	21	10
Salmonella Senftenberg z27 phase				1					1	0
Salmonella Singapore					2	1	1	2	6	12
Salmonella Stanley			1	1	1	1	1		5	16
Salmonella Typhimurium	16	13	44	27	22	25	13	20	180	331
Salmonella Virchow	1	1			1	1			4	6
Salmonella Welikade	1	1							2	1
Salmonella Weltevreden	1	1					1		3	4
Salmonella species	3	2	4	6	5	2	8	19	49	23
Salmonella subsp 1 ser 1,4,12:i:-	1								1	0