



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 18-DEC-17 to 11-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

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 6			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	24/12	31/12	07/01	14/01	21/01	28/01	04/02	11/02	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1	1		1					1	1	2	0	1.6	0.0
Hepatitis B (unspecified)	12	9	4	5	13	13	13	17	65	54	53	56	41.9	1.3
Hepatitis C (newly acquired)	2	3	1	2	4	2	1	4	14	15	13	11	10.1	1.1
Hepatitis C (unspecified)	18	10	10	24	23	27	17	27	128	124	100	94	75.2	1.3
Hepatitis D									0	0	0	0	0.2	0.0
Enteric diseases														
Campylobacteriosis	65	60	76	67	70	62	45	60	380	474	378	237	216.3	1.1
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis	2		5	3	1	4	3	4	20	96	40	12	38.3	0.3
Hepatitis A									0	2	4	0	2.1	0.0
Hepatitis E									0	1	0	0	0.3	0.0
Listeriosis							1		1	1	1	1	0.6	1.7
Paratyphoid fever			1						1	2	5	0	1.5	0.0
Rotavirus	7	9	9	9	6	6	9	4	43	58	14	25	24.5	1.0
STEC/VTEC infection	1	3	6	1	1	2	2	2	14	9	5	7	1.4	5.0
Salmonellosis	34	49	42	30	69	42	33	40	256	414	295	184	161.7	1.1
Shigellosis	3	6	10	10	7	6	4	1	38	21	13	18	9.4	1.9
Typhoid			1		1				2	0	1	1	1.1	0.9
Vibrio parahaemolyticus	1	2	1		2				3	2	6	2	1.3	1.5
Yersiniosis					1		1		2	0	3	2	1.0	2.0
Sexually transmissible infections														
Chlamydia (genital)	226	104	207	269	226	202	247	206	1357	1529	1424	881	901.3	1.0
Gonorrhoea	56	27	62	61	72	65	66	43	369	483	319	246	205.9	1.2
Syphilis - Infectious	5	3	6	10	7	5	9	6	43	43	45	27	15.4	1.8
Syphilis - Non-Infectious	2	6	1	8	2	4	6	1	22	18	7	13	7.3	1.8
Vaccine preventable diseases														
Diphtheria		1							0	0	0	0	0.0	0.0
H. influenzae type b					1				1	0	0	1	0.0	0.0
Influenza	47	40	52	54	67	59	93	37	362	205	198	256	121.5	2.1
Measles			1						1	7	0	0	2.3	0.0
Mumps	2		1		2		1		4	6	117	3	20.9	0.1
Pertussis	23	33	33	26	12	14	15	11	111	164	274	52	123.0	0.4
Pneumococcal infection	1		6	4	1	2	2		15	12	6	5	8.3	0.6
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Varicella (chicken pox)	7	9	8	6	7	10	8	6	45	72	43	31	29.6	1.0
Varicella (shingles)	21	22	37	44	47	37	29	20	214	234	200	133	118.6	1.1
Varicella (unspecified)	33	22	30	40	36	34	39	42	221	193	190	151	111.9	1.3
Vector-borne diseases														
Barmah Forest virus	2	1			1		1		2	4	2	2	25.4	0.1
Chikungunya									0	3	1	0	1.6	0.0
Dengue fever	1	1	1	5	7	2	2	2	19	43	83	13	48.9	0.3
Malaria			1		1	4	1	1	8	12	12	7	6.5	1.1
Ross River virus	5	8	17	12	13	12	10	12	76	220	62	47	138.2	0.3
Typhus		1	1			1			2	6	2	1	2.1	0.5
West Nile virus/Kunjin virus									0	0	0	0	0.0	0.0
Zika virus									0	0	5	0	0.4	0.0
Zoonotic diseases														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis									0	0	0	0	0.1	0.0
Psittacosis									0	1	0	0	0.4	0.0
Q Fever			1			1			2	1	0	1	0.6	1.7
Other diseases														
Acute post-streptococcal glomerulonephritis					1	3	2	2	8	0	0	8	0.1	120.0
Creutzfeldt-Jakob disease									0	0	2	0	0.3	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.1	0.0
Legionellosis		1		3	1		1		5	6	3	2	5.3	0.4
Leprosy									0	0	0	0	0.3	0.0
Melioidosis									0	2	0	0	0.7	0.0
Meningococcal infection		3	2	1		1	1		5	3	2	2	1.5	1.3
Tuberculosis	1	11		1	2	1	4	4	12	9	11	11	10.3	1.1
Grand Total	578	445	633	696	703	622	666	552						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 6			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	24/12	31/12	07/01	14/01	21/01	28/01	04/02	11/02	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1			1					1	0	2	0	1.3	0.0
Hepatitis B (unspecified)	8	6	4	4	9	8	13	14	52	48	44	44	31.9	1.4
Hepatitis C (newly acquired)	2	3	1	1	4	2		4	12	10	11	10	7.9	1.3
Hepatitis C (unspecified)	13	8	6	16	14	21	11	24	92	93	75	70	54.4	1.3
Hepatitis D									0	0	0	0	0.2	0.0
Enteric diseases														
Campylobacteriosis	47	47	54	51	55	50	36	46	292	387	307	187	168.6	1.1
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis	1		1	2		3	2	4	12	76	27	9	24.4	0.4
Hepatitis A									0	2	3	0	1.6	0.0
Hepatitis E									0	1	0	0	0.3	0.0
Listeriosis									0	1	1	0	0.6	0.0
Paratyphoid fever			1						1	2	4	0	1.3	0.0
Rotavirus	7	9	8	7	4	5	9	4	37	46	13	22	19.6	1.1
STEC/VTEC infection	1	3	4	1	1	2	1	2	11	2	2	6	0.5	11.3
Salmonellosis	24	38	33	22	54	37	27	34	207	334	218	152	121.1	1.3
Shigellosis	2	1	1	3	2	2	1		9	2	7	5	4.3	1.2
Typhoid			1		1				2	0	1	1	0.9	1.2
Vibrio parahaemolyticus	1	2	1		2				3	2	6	2	1.3	1.6
Yersiniosis					1		1		2	0	3	2	0.9	2.3
Sexually transmissible infections														
Chlamydia (genital)	186	86	161	223	178	150	190	168	1070	1185	1069	686	689.1	1.0
Gonorrhoea	34	15	33	42	56	36	43	26	236	315	201	161	124.9	1.3
Syphilis - Infectious	5	2	4	10	6	3	9	6	38	30	35	24	11.7	2.1
Syphilis - Non-Infectious	1	4	1	6	2	4	6		19	14	5	12	5.4	2.2
Vaccine preventable diseases														
Diphtheria		1							0	0	0	0	0.0	0.0
Influenza	35	31	46	38	61	47	79	30	301	169	172	217	99.4	2.2
Measles			1						1	7	0	0	2.0	0.0
Mumps	2		1		2				3	5	3	2	3.5	0.6
Pertussis	18	23	24	18	8	12	12	8	82	131	186	40	91.9	0.4
Pneumococcal infection	1		2	3	1		1		7	10	2	2	4.4	0.5
Rubella (non-congenital)									0	0	0	0	0.1	0.0
Varicella (chicken pox)	4	6	7	4	6	7	6	6	36	48	28	25	21.0	1.2
Varicella (shingles)	16	15	29	36	38	29	23	17	172	167	152	107	90.0	1.2
Varicella (unspecified)	30	22	28	35	33	31	34	38	199	181	164	136	99.2	1.4
Vector-borne diseases														
Barmah Forest virus	1	1							0	2	1	0	18.3	0.0
Chikungunya									0	1	1	0	1.4	0.0
Dengue fever	1		1	5	6	2	2		16	35	69	10	39.7	0.3
Malaria			1		1	4	1	1	8	11	10	7	5.7	1.2
Ross River virus	3	6	12	8	8	9	8	9	54	106	37	34	85.4	0.4
Typhus		1	1						1	2	2	0	1.3	0.0
Zika virus									0	0	4	0	0.3	0.0
Zoonotic diseases														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis									0	0	0	0	0.1	0.0
Psittacosis									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
Haemolytic Uraemic Syndrome									0	1	0	0	0.1	0.0
Legionellosis				2	1		1		4	4	1	2	3.8	0.5
Leprosy									0	0	0	0	0.2	0.0
Melioidosis									0	1	0	0	0.1	0.0
Meningococcal infection		3	1	1		1	1		4	3	1	2	1.1	1.9
Tuberculosis		8			2	1	3	4	10	9	10	10	8.9	1.1
Grand Total	444	341	468	539	556	466	520	445						

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)						0.1			
Hepatitis B (unspecified)	4	18 (10)	2.6	4	8 (11)	1.5	6	18 (18)	3.0
Hepatitis C (newly acquired)				2	4 (5)	0.9	2	6 (3)	0.8
Hepatitis C (unspecified)	3	6 (9)	1.4	7	28 (27)	5.4	14	36 (24)	6.0
Enteric diseases									
Campylobacteriosis	17	67 (92)	13.5	16	63 (78)	14.6	13	57 (72)	11.9
Cryptosporidiosis		1 (9)	0.3	2	2 (31)	0.4	2	6 (19)	0.9
Listeriosis								(1)	0.1
Paratyphoid fever								8 (11)	1.6
Rotavirus	1	8 (11)	1.8	2	6 (7)	1.6	1	8 (11)	1.6
STEC/VTEC infection	2	4 (1)	0.9		2	0.4			0.1
Salmonellosis	12	58 (74)	10.3	13	51 (85)	10.6	9	43 (78)	7.4
Shigellosis		1	0.4		3 (2)	0.6		1	0.3
Typhoid		1	0.1			0.1			
Vibrio parahaemolyticus					2 (1)	0.4			
Yersiniosis							2		0.3
Sexually transmissible infections									
Chlamydia (genital)	47	224 (252)	46.5	60	225 (257)	51.3	61	237 (272)	48.8
Gonorrhoea	2	37 (59)	6.9	9	48 (63)	9.6	15	76 (99)	15.8
Syphilis - Infectious	1	6 (3)	1.6	3	7 (3)	1.6	2	11 (13)	2.0
Syphilis - Non-Infectious		4 (2)	1.0		2 (3)	0.4		6 (7)	1.1
Vaccine preventable diseases									
H. influenzae type b									
Influenza	12	86 (36)	15.9	7	72 (43)	14.1	11	59 (25)	11.1
Measles			0.1						
Mumps								2 (3)	0.4
Pertussis	3	18 (35)	4.9	4	13 (25)	3.5	1	9 (27)	2.7
Pneumococcal infection		(1)	0.3		1 (2)	0.3		1 (3)	0.4
Varicella (chicken pox)		9 (9)	2.0	5	11 (11)	2.0	1	5 (6)	0.9
Varicella (shingles)	6	40 (46)	8.2	7	34 (41)	8.3	4	33 (33)	7.0
Varicella (unspecified)	15	47 (43)	9.1	17	58 (41)	12.3	6	31 (39)	6.1
Vector-borne diseases									
Barmah Forest virus									
Dengue fever		5 (7)	0.9		4 (4)	0.9		1 (9)	0.4
Malaria	1	4 (1)	0.5		1 (2)	0.1		2 (4)	0.4
Ross River virus	2	3 (17)	0.5	6	20 (33)	4.4	1	11 (14)	2.7
Typhus					(1)	0.1			
Zoonotic diseases									
Q Fever									
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
Legionellosis		1 (3)	0.3		1	0.3			
Meningococcal infection		1 (2)	0.1		(1)	0.3		1	0.1
Tuberculosis	3	7	0.9		1 (3)	0.1	1	2 (2)	0.3
Grand Total	131	656 (722)		164	667 (780)		150	664 (782)	

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	3 (2)	1.6				1	2	2.5
Hepatitis C (newly acquired)				1 (2)		1.6			
Hepatitis C (unspecified)	1	6 (3)	5.9	5 (2)		9.6		2 (6)	2.5
Enteric diseases									
Campylobacteriosis	8	24 (17)	21.3	3 (8)		12.8	2	8 (11)	13.9
Cryptosporidiosis		3 (2)	2.7						
Listeriosis									
Paratyphoid fever									
Rotavirus		1 (2)	0.5	1		1.6			2.5
STEC/VTEC infection				(1)		3.2			
Salmonellosis	3	7 (12)	6.4	1 (6)		4.8		2 (4)	5.1
Shigellosis									
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	7	39 (51)	30.3	2	19 (20)	49.7	4	11 (19)	21.6
Gonorrhoea	5	13 (9)	10.1				1	1 (3)	2.5
Syphilis - Infectious		(2)	0.5						
Syphilis - Non-Infectious			0.5						
Vaccine preventable diseases									
H. influenzae type b									
Influenza	1	12 (2)	11.7	3 (1)		8.0		1 (5)	6.3
Measles									
Mumps									
Pertussis		2 (7)	5.9	2	5 (4)	14.4		(1)	3.8
Pneumococcal infection						1.6			
Varicella (chicken pox)		1 (3)	1.1	3		6.4		(1)	1.3
Varicella (shingles)	2	13 (17)	12.8	3 (4)		4.8		3 (3)	5.1
Varicella (unspecified)	1	1 (3)	0.5	1	3 (1)	9.6	1	2	2.5
Vector-borne diseases									
Barmah Forest virus		2	1.1						
Dengue fever				1	1	1.6			
Malaria									
Ross River virus	2	9 (38)	8.0	2 (8)		4.8	1	2 (8)	3.8
Typhus									
Zoonotic diseases									
Q Fever								1	1.3
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
Legionellosis									
Meningococcal infection									
Tuberculosis									
Grand Total	31	136 (170)		6	50 (57)		10	35 (61)	

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)					2	4.9	1	2	2.9
Hepatitis B (unspecified)									
Hepatitis C (newly acquired)		(1)	1.4						
Hepatitis C (unspecified)	1	4 (7)	8.6	1	5 (2)	9.9		(1)	2.9
Enteric diseases									
Campylobacteriosis	1	2 (4)	7.2	1	5 (3)	13.1		3 (4)	10.2
Cryptosporidiosis									
Listeriosis									
Paratyphoid fever									
Rotavirus		(4)	1.4		1	1.6			
STEC/VTEC infection								1	1.5
Salmonellosis	1	4 (6)	8.6		2 (6)	6.6	1	4 (10)	8.7
Shigellosis		(6)	1.4		1 (1)	8.2		5 (2)	8.7
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	7	25 (20)	50.1	4	22 (24)	49.3	4	28 (35)	53.9
Gonorrhoea	2	7 (7)	15.7	2	10 (19)	26.3	2	13 (23)	23.3
Syphilis - Infectious					1	1.6			1.5
Syphilis - Non-Infectious			1.4						
Vaccine preventable diseases									
H. influenzae type b								1	1.5
Influenza	2	4 (1)	7.2	1	6 (2)	9.9		2 (1)	4.4
Measles									
Mumps					1	1.6			
Pertussis	1	3	4.3						
Pneumococcal infection		2	5.7		1	3.3			
Varicella (chicken pox)					1	1.6			
Varicella (shingles)		1 (5)	1.4		1 (2)	1.6		(1)	1.5
Varicella (unspecified)		7 (2)	12.9			1.6			1.5
Vector-borne diseases									
Barmah Forest virus									
Dengue fever							1	2	2.9
Malaria									
Ross River virus								(3)	1.5
Typhus					1 (1)	1.6			
Zoonotic diseases									
Q Fever			1.4						
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)					1	1.6			
Legionellosis									1.5
Meningococcal infection						1.6			
Tuberculosis									1.5
Grand Total	15	59 (63)		9	61 (60)		9	61 (80)	

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)				0	0 (0)	0.0
Hepatitis B (unspecified)		3 (1)	7.5	17	56 (43)	2.3
Hepatitis C (newly acquired)				4	11 (14)	0.5
Hepatitis C (unspecified)		2 (3)	7.5	27	94 (84)	4.6
Enteric diseases						
Campylobacteriosis	2	4 (1)	15.1	60	237 (293)	13.8
Cryptosporidiosis		(5)	7.5	4	12 (73)	0.7
Listeriosis		1	2.5	0	1 (0)	0.0
Paratyphoid fever				0	0 (1)	0.0
Rotavirus				4	25 (36)	1.6
STEC/VTEC infection				2	7 (6)	0.5
Salmonellosis	1	10 (6)	30.1	40	184 (291)	9.3
Shigellosis	1	6	40.1	1	18 (13)	1.4
Typhoid				0	1 (0)	0.1
Vibrio parahaemolyticus				0	2 (2)	0.1
Yersiniosis				0	2 (0)	0.1
Sexually transmissible infections						
Chlamydia (genital)	9	46 (70)	180.7	206	881*****	49.1
Gonorrhoea	4	35 (56)	145.5	43	246 (343)	13.4
Syphilis - Infectious		2 (4)	5.0	6	27 (26)	1.6
Syphilis - Non-Infectious				1	13 (14)	0.7
Vaccine preventable diseases						
H. influenzae type b				0	1 (0)	0.0
Influenza	1	7 (7)	22.6	37	256 (126)	13.1
Measles				0	0 (5)	0.0
Mumps				0	3 (5)	0.1
Pertussis		1	2.5	11	52 (105)	4.0
Pneumococcal infection			2.5	0	5 (7)	0.5
Varicella (chicken pox)		1 (1)	2.5	6	31 (37)	1.6
Varicella (shingles)	1	3 (4)	15.1	20	133 (157)	7.7
Varicella (unspecified)				42	151 (132)	8.0
Vector-borne diseases						
Barmah Forest virus				0	2 (4)	0.1
Dengue fever				2	13 (27)	0.7
Malaria				1	7 (7)	0.3
Ross River virus				12	47 (137)	2.8
Typhus				0	1 (4)	0.1
Zoonotic diseases						
Q Fever				0	1 (0)	0.1
Other diseases						
Acute post-streptococcal glomerulonephritis (APS)	2	7	17.6	2	8 (0)	0.3
Legionellosis				0	2 (3)	0.2
Meningococcal infection				0	2 (3)	0.2
Tuberculosis				4	11 (5)	0.4
Grand Total	21	128 (158)		552	2543 (3065)	

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

	Week Ending								Cumulative Total to end of Week 6	
	24/12	31/12	07/01	14/01	21/01	28/01	04/02	11/02	2018	2017
	Salmonella Total	34	49	42	30	69	42	33	40	256
Serotype/Phage										
Salmonella Aberdeen		1			1				1	1
Salmonella Agona			3		1				4	1
Salmonella Albany	1	1		1					1	0
Salmonella Anatum	1				1		1	1	3	1
Salmonella Bareilly						1			1	1
Salmonella Birkenhead	1								0	0
Salmonella Bovismorbificans	1								0	3
Salmonella Cerro							1		1	0
Salmonella Chester	1	1					2		2	3
Salmonella Choleraesuis bv Australia					2				2	2
Salmonella Choleraesuis bv Decatur					1				1	0
Salmonella Corvallis					1				1	0
Salmonella Eastbourne		1							0	1
Salmonella Enteritidis	1	2	5	2	2	3	1		13	22
Salmonella Give		1		1					1	3
Salmonella Hadar							1		1	1
Salmonella Heidelberg					1				1	0
Salmonella Houten subsp IV					1				1	0
Salmonella Hvittingfoss				2	2				4	5
Salmonella Infantis			1				1		2	6
Salmonella Javiana			1						1	3
Salmonella Kentucky			1	1	1	1	1		5	4
Salmonella Kiambu		1							0	4
Salmonella Kottbus			1						1	0
Salmonella Lindern				1					1	0
Salmonella Mbandaka							1		1	1
Salmonella Meleagridis		1							0	1
Salmonella Mississippi						1			1	0
Salmonella Muenchen		1		1	1				2	4
Salmonella Ohio	1								0	0
Salmonella Oranienburg				1					1	0
Salmonella Orientalis		2							0	0
Salmonella Orion			1	2					3	0
Salmonella Paratyphi B bv Java		2	1	1		1	1		4	5
Salmonella Rissen			1						1	0
Salmonella Saintpaul	2	2	5		7	2	1		15	6
Salmonella Singapore							1		1	7
Salmonella Stanley	1				1	1	1		3	15
Salmonella Typhimurium	17	29	16	13	43	22	12	4	110	267
Salmonella Virchow	4		1	1					2	2
Salmonella Welikade			1	1					2	1
Salmonella Weltevreden			1	1					2	2
Salmonella species	3	4	3	1	3	10	8	35	60	17