



Department of Health

STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program
Communicable Disease Control Directorate

Report for eight week period 08-JAN-18 to 04-MAR-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 9			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	14/01	21/01	28/01	04/02	11/02	18/02	25/02	04/03	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1								1	1	3	0	1.9	0.0
Hepatitis B (unspecified)	5	13	13	13	17	7	13	13	98	87	85	50	47.0	1.1
Hepatitis C (newly acquired)	2	4	5	1	4	2	3	1	24	25	21	10	10.7	0.9
Hepatitis C (unspecified)	24	23	24	17	23	16	19	24	179	203	152	82	83.9	1.0
Enteric diseases														
Campylobacteriosis	70	73	64	54	86	75	54	51	603	671	540	266	206.9	1.3
Cryptosporidiosis	3	1	4	3	5	5	2	2	30	155	59	14	45.7	0.3
Hepatitis A							1		1	3	5	1	2.1	0.5
Listeriosis				2		1			3	1	1	1	0.5	1.9
Paratyphoid fever						1			2	3	7	1	1.5	0.7
Rotavirus	9	6	6	9	4	8	5	5	61	78	25	22	23.5	0.9
STEC/VTEC infection	1	1	2	2	3	1			16	14	6	4	1.6	2.5
Salmonellosis	33	70	47	51	39	38	50	38	409	594	442	165	177.5	0.9
Shigellosis	10	8	5	4	1	9	3	6	57	34	23	19	9.3	2.0
Typhoid		1		1		2			5	1	1	2	0.9	2.3
Vibrio parahaemolyticus	1	1							3	3	6	0	1.9	0.0
Yersiniosis		1		1					2	0	4	0	1.1	0.0
Sexually transmissible infections														
Chlamydia (genital)	273	232	204	262	247	207	264	199	2102	2333	2205	917	981.4	0.9
Gonorrhoea	62	71	69	69	66	71	73	37	582	745	532	247	219.9	1.1
Syphilis - Infectious	10	8	3	9	7	12	11	11	75	71	65	41	15.9	2.6
Syphilis - Non-Infectious	9	2	5	9	2	4	3	10	45	24	11	19	7.7	2.5
Vaccine preventable diseases														
Diphtheria									0	0	0	0	0.0	0.0
H. influenzae type b			1						1	0	0	0	0.1	0.0
Influenza	54	68	62	99	76	78	71	51	611	290	345	276	136.0	2.0
Measles									1	8	0	0	1.8	0.0
Mumps		2		1					4	7	216	0	21.1	0.0
Pertussis	28	17	14	22	24	23	13	10	187	228	359	70	111.1	0.6
Pneumococcal infection	4	2	1	3	1		1		18	20	12	2	8.1	0.2
Varicella (chicken pox)	6	7	11	9	23	11	5	2	82	111	72	41	31.5	1.3
Varicella (shingles)	48	47	38	37	46	49	21	5	331	356	311	121	120.2	1.0
Varicella (unspecified)	35	36	34	35	35	43	50	63	360	299	293	191	116.8	1.6
Vector-borne diseases														
Barmah Forest virus		2		1				1	4	8	3	1	31.3	0.0
Chikungunya									0	4	1	0	1.7	0.0
Dengue fever	5	7	2	3	1	2	1	2	24	54	119	6	53.0	0.1
Malaria		1	4	1	1		3	1	12	19	16	5	5.4	0.9
Ross River virus	12	14	13	12	14	16	11	13	123	334	87	54	148.3	0.4
Typhus				1	1				4	8	3	2	2.1	0.9
Zoonotic diseases														
Leptospirosis						1			1	0	1	1	0.1	15.0
Q Fever		1	1						3	3	0	0	0.7	0.0
Other diseases														
Acute post-streptococcal glomerulonephritis		1	3	2	2	1			9	1	0	3	0.1	45.0
Creutzfeldt-Jakob disease									0	0	2	0	0.3	0.0
Legionellosis	2	1		1	1				5	6	6	1	4.9	0.2
Meningococcal infection	1		1	1			1		6	7	2	1	1.5	0.7
Tuberculosis	1	2	1	4	4	7	6	1	26	20	27	18	10.1	1.8
Grand Total	709	723	637	739	733	690	684	547						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 9			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	14/01	21/01	28/01	04/02	11/02	18/02	25/02	04/03	2018	2017	2016			
	Blood-borne diseases[2]													
Hepatitis B (newly acquired)	1								1	0	3	0	1.5	0.0
Hepatitis B (unspecified)	4	9	8	13	14	4	10	12	78	74	70	40	36.1	1.1
Hepatitis C (newly acquired)	1	4	5		4	1	2	1	20	18	18	8	8.5	0.9
Hepatitis C (unspecified)	16	14	18	11	21	11	15	18	129	150	116	65	59.9	1.1
Enteric diseases														
Campylobacteriosis	53	58	53	43	61	61	44	44	471	547	432	210	163.3	1.3
Cryptosporidiosis	2		3	2	5	2	1	2	18	125	39	10	28.1	0.4
Hepatitis A							1		1	3	4	1	1.6	0.6
Listeriosis				1		1			2	1	1	1	0.5	1.9
Paratyphoid fever						1			2	3	6	1	1.4	0.7
Rotavirus	7	4	5	9	4	7	3	5	52	56	23	19	17.9	1.1
STEC/VTEC infection	1	1	2	1	2	1			12	6	2	3	0.8	3.8
Salmonellosis	24	55	40	44	27	33	35	29	321	476	340	124	131.5	0.9
Shigellosis	3	2	2	1	1	6	2	3	21	6	17	12	4.5	2.7
Typhoid		1		1		2			5	1	1	2	0.7	2.7
Vibrio parahaemolyticus	1	1							3	3	6	0	1.9	0.0
Yersiniosis		1		1					2	0	3	0	0.9	0.0
Sexually transmissible infections														
Chlamydia (genital)	226	182	153	203	190	162	195	157	1636	1820	1686	704	748.5	0.9
Gonorrhoea	43	55	39	44	40	43	49	26	374	475	352	158	134.4	1.2
Syphilis - Infectious	10	6	3	9	7	11	9	11	69	49	52	38	11.7	3.2
Syphilis - Non-Infectious	6	2	5	8	1	4	2	7	36	20	9	14	5.9	2.4
Vaccine preventable diseases														
Diphtheria									0	0	0	0	0.0	0.0
Influenza	38	61	49	84	61	59	55	39	492	234	291	214	108.2	2.0
Measles									1	8	0	0	1.7	0.0
Mumps		2							3	6	4	0	3.2	0.0
Pertussis	19	11	10	18	19	20	12	9	144	185	252	60	83.9	0.7
Pneumococcal infection	3	1		2	1				9	17	4	1	4.1	0.2
Varicella (chicken pox)	4	6	8	7	15	4	3	1	55	71	55	23	22.4	1.0
Varicella (shingles)	38	38	29	30	35	31	13	1	246	251	238	80	91.7	0.9
Varicella (unspecified)	32	33	30	30	33	40	45	55	325	280	256	173	102.5	1.7
Vector-borne diseases														
Barmah Forest virus									0	2	1	0	22.8	0.0
Chikungunya									0	2	1	0	1.6	0.0
Dengue fever	5	6	2	3		2	1	1	21	46	100	4	43.5	0.1
Malaria		1	4	1	1		3	1	12	16	13	5	4.9	1.0
Ross River virus	8	8	10	10	11	13	6	11	90	154	49	41	86.3	0.5
Typhus					1				3	3	3	2	1.2	1.7
Zoonotic diseases														
Leptospirosis						1			1	0	1	1	0.1	15.0
Q Fever		1							1	1	0	0	0.2	0.0
Other diseases														
Creutzfeldt-Jakob disease									0	0	0	0	0.3	0.0
Legionellosis	2	1		1	1				5	4	4	1	3.6	0.3
Meningococcal infection	1		1	1					4	7	1	0	1.1	0.0
Tuberculosis		2	1	3	4	5	5	1	21	19	24	15	8.7	1.7
Grand Total	548	566	480	581	559	525	511	435						

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)	3	11 (8)	3.6	6	11 (10)	2.5	3	18 (15)	4.5
Hepatitis C (newly acquired)		1 (3)	0.1	1	5 (4)	1.3		2 (4)	1.4
Hepatitis C (unspecified)	5	18 (19)	3.4	6	17 (15)	7.0	7	30 (33)	7.4
Enteric diseases									
Campylobacteriosis	14	75 (78)	21.9	17	75 (62)	23.8	13	60 (62)	18.9
Cryptosporidiosis		2 (12)	0.5	1	5 (34)	0.9	1	3 (19)	1.1
Hepatitis A								1 (2)	0.1
Listeriosis		1	0.1						0.1
Paratyphoid fever								1	0.3
Rotavirus		6 (8)	2.5	3	6 (6)	2.2	2	7 (2)	2.4
STEC/VTEC infection		3 (2)	1.0			0.4		(2)	0.1
Salmonellosis	9	36 (70)	15.0	9	46 (61)	16.2	11	42 (77)	12.9
Shigellosis	1	6 (1)	1.2		1 (2)	0.7	2	5 (3)	0.9
Typhoid		1	0.4		(1)	0.1		1	0.1
Vibrio parahaemolyticus						0.4			
Yersiniosis									0.3
Sexually transmissible infections									
Chlamydia (genital)	48	214 (286)	69.4	43	214 (251)	75.3	66	276 (296)	79.4
Gonorrhoea	9	42 (56)	12.4	5	42 (63)	14.6	12	74 (94)	24.2
Syphilis - Infectious	2	9 (6)	2.5	3	11 (5)	2.9	6	18 (13)	4.1
Syphilis - Non-Infectious	2	2 (2)	1.4	2	4	1.0	3	8 (6)	2.4
Vaccine preventable diseases									
H. influenzae type b									
Influenza	13	78 (43)	24.9	11	69 (29)	23.3	15	67 (20)	19.1
Measles			0.1						
Mumps									0.4
Pertussis	3	21 (29)	8.1	4	22 (20)	6.9	2	17 (18)	4.7
Pneumococcal infection		(1)	0.3		(1)	0.3		1 (5)	0.7
Varicella (chicken pox)		4 (13)	2.6	1	13 (7)	3.4		6 (9)	1.6
Varicella (shingles)		23 (32)	10.8		33 (44)	12.3	1	24 (34)	10.7
Varicella (unspecified)	20	60 (46)	14.6	18	65 (39)	19.0	17	48 (41)	11.2
Vector-borne diseases									
Barmah Forest virus									
Dengue fever		1 (5)	1.0		1 (6)	1.0	1	2 (5)	0.8
Malaria		1 (1)	0.5	1	3 (1)	0.6		1 (5)	0.5
Ross River virus	2	10 (12)	1.8	6	21 (34)	6.9	3	10 (27)	3.9
Typhus						0.1	1	2	0.3
Zoonotic diseases									
Leptospirosis								1	0.1
Q Fever					(1)	0.1			
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
Legionellosis		(2)	0.3		1	0.4			
Meningococcal infection		(1)	0.1		(2)	0.3		(2)	0.1
Tuberculosis	1	4 (4)	1.0		4 (4)	0.7		7 (4)	1.1
Grand Total	132	629 (740)		137	669 (702)		166	732 (798)	

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)		3 (2)	2.7					2 (1)	3.8
Hepatitis C (newly acquired)					(2)	1.6		1	1.3
Hepatitis C (unspecified)	2	2 (6)	6.4	1	1	11.2	1	3 (5)	6.3
Enteric diseases									
Campylobacteriosis	2	26 (17)	31.9		6 (5)	22.5		5 (10)	17.7
Cryptosporidiosis		1	3.2						
Hepatitis A									
Listeriosis									
Paratyphoid fever									
Rotavirus		(6)	0.5			1.6		(1)	2.5
STEC/VTEC infection					1	4.8			
Salmonellosis	2	16 (10)	13.3	1	3 (5)	11.2	2	6 (7)	13.9
Shigellosis		1	0.5						
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	14	45 (59)	50.0	4	13 (14)	69.0	5	19 (13)	40.6
Gonorrhoea	2	17 (5)	17.6	1	1 (1)	1.6	1	3 (5)	5.1
Syphilis - Infectious			0.5						
Syphilis - Non-Infectious	1	1	1.1						
Vaccine preventable diseases									
H. influenzae type b									
Influenza	8	21 (5)	22.9	1	2 (1)	11.2	1	4 (3)	11.4
Measles									
Mumps									
Pertussis		4 (4)	9.0		2 (3)	22.5	1	2	6.3
Pneumococcal infection						1.6			
Varicella (chicken pox)	1	3 (10)	2.7		1 (3)	8.0		(1)	1.3
Varicella (shingles)	3	18 (20)	21.3		7 (6)	20.9	1	5 (5)	10.1
Varicella (unspecified)	1	3 (2)	1.6	4	5 (1)	12.8	1	1	5.1
Vector-borne diseases									
Barmah Forest virus	1	1 (1)	1.6		(1)	1.6			
Dengue fever							1	1 (1)	1.3
Malaria									
Ross River virus	1	5 (17)	10.1		(8)	4.8	1	2 (4)	5.1
Typhus						1.6			
Zoonotic diseases									
Leptospirosis									
Q Fever									1.3
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)									
Legionellosis									
Meningococcal infection					1	1.6			
Tuberculosis		1	0.5		1 (1)	1.6			
Grand Total	38	168 (164)		12	44 (51)		14	54 (56)	

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)					(1)	4.9	1	3 (2)	5.8
Hepatitis B (unspecified)					1	1.6			
Hepatitis C (newly acquired)		(1)	1.4						
Hepatitis C (unspecified)		4 (6)	12.9	1	2 (1)	11.5		1 (2)	4.4
Enteric diseases									
Campylobacteriosis	2	4 (5)	11.4	1	6 (7)	21.3	1	4 (1)	16.0
Cryptosporidiosis		1 (2)	1.4						
Hepatitis A									
Listeriosis									
Paratyphoid fever									
Rotavirus		1 (4)	2.9		(2)	1.6		1	1.5
STEC/VTEC infection									1.5
Salmonellosis	2	8 (7)	18.6		1 (5)	9.9	1	3 (8)	11.7
Shigellosis		1 (7)	2.9	1	2	11.5		(3)	8.7
Typhoid									
Vibrio parahaemolyticus									
Yersiniosis									
Sexually transmissible infections									
Chlamydia (genital)	3	25 (30)	75.8	4	22 (25)	80.5	3	23 (31)	83.1
Gonorrhoea		7 (9)	22.9		10 (21)	39.4	2	9 (20)	35.0
Syphilis - Infectious					1	1.6			
Syphilis - Non-Infectious			1.4	1	1	3.3	1	1	2.9
Vaccine preventable diseases									
H. influenzae type b									1.5
Influenza	1	10 (2)	18.6		2 (5)	14.8		6 (2)	13.1
Measles									
Mumps						1.6			
Pertussis		2 (1)	5.7						
Pneumococcal infection			5.7			3.3			
Varicella (chicken pox)						1.6			
Varicella (shingles)		1 (2)	2.9		4 (4)	9.9		1 (3)	2.9
Varicella (unspecified)	1	6 (4)	21.5	1	1	1.6			1.5
Vector-borne diseases									
Barmah Forest virus									
Dengue fever								1	2.9
Malaria									
Ross River virus		2	2.9					(10)	1.5
Typhus									
Zoonotic diseases									
Leptospirosis									
Q Fever			1.4						
Other diseases									
Acute post-streptococcal glomerulonephritis (APS)						1.6			
Legionellosis						1.6			
Meningococcal infection									
Tuberculosis		1	1.4						1.5
Grand Total	9	73 (80)		9	53 (71)		9	53 (82)	

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)		2 (2)	12.5	13	50 (41)	3.4
Hepatitis C (newly acquired)				1	10 (14)	0.9
Hepatitis C (unspecified)	1	3 (7)	15.1	24	82 (94)	6.4
Enteric diseases						
Campylobacteriosis		4 (2)	20.1	51	266 (252)	21.8
Cryptosporidiosis		2 (2)	12.5	2	14 (75)	1.1
Hepatitis A				0	1 (2)	0.0
Listeriosis			2.5	0	1 (0)	0.1
Paratyphoid fever				0	1 (1)	0.1
Rotavirus		1	2.5	5	22 (29)	2.2
STEC/VTEC infection				0	4 (5)	0.6
Salmonellosis	1	4 (7)	40.1	38	165 (262)	14.8
Shigellosis	2	3	47.7	6	19 (17)	2.1
Typhoid				0	2 (1)	0.2
Vibrio parahaemolyticus				0	0 (1)	0.1
Yersiniosis				0	0 (0)	0.1
Sexually transmissible infections						
Chlamydia (genital)	5	59 (58)	311.1	199	917*****	76.1
Gonorrhoea	4	38 (65)	230.8	37	247 (341)	21.1
Syphilis - Infectious		(11)	5.0	11	41 (35)	2.7
Syphilis - Non-Infectious				10	19 (8)	1.5
Vaccine preventable diseases						
H. influenzae type b				0	0 (0)	0.0
Influenza	1	7 (8)	37.6	51	276 (119)	22.1
Measles				0	0 (2)	0.0
Mumps				0	0 (1)	0.1
Pertussis		(1)	2.5	10	70 (80)	6.8
Pneumococcal infection		1 (1)	5.0	0	2 (9)	0.7
Varicella (chicken pox)		13 (4)	35.1	2	41 (48)	3.0
Varicella (shingles)		2 (5)	20.1	5	121 (156)	12.0
Varicella (unspecified)				63	191 (133)	13.0
Vector-borne diseases						
Barmah Forest virus				1	1 (7)	0.1
Dengue fever				2	6 (17)	0.9
Malaria				1	5 (9)	0.4
Ross River virus		4 (35)	10.0	13	54 (152)	4.5
Typhus				1	2 (3)	0.1
Zoonotic diseases						
Leptospirosis				0	1 (0)	0.0
Q Fever				0	0 (2)	0.1
Other diseases						
Acute post-streptococcal glomerulonephritis (APS)		3 (1)	20.1	0	3 (1)	0.3
Legionellosis				0	1 (2)	0.2
Meningococcal infection				0	1 (5)	0.2
Tuberculosis				1	18 (13)	0.5
Grand Total	14	146 (209)		547	2655 (3038)	

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

	Week Ending								Cumulative Total to end of Week 9	
	14/01	21/01	28/01	04/02	11/02	18/02	25/02	04/03	2018	2017
	Salmonella Total	33	70	47	51	39	38	50	38	409
Serotype/Phage										
Salmonella Aberdeen		1							1	1
Salmonella Agona	1								4	2
Salmonella Albany	1								1	0
Salmonella Anatum		1		1	2	1	1		6	1
Salmonella Bareilly			1						1	1
Salmonella Bovismorbificans						1			1	5
Salmonella Cerro				1					1	0
Salmonella Chester				2				1	3	4
Salmonella Choleraesuis							1		1	0
Salmonella Choleraesuis bv Australia		2				1	1		4	3
Salmonella Choleraesuis bv Decatur		1					1		2	0
Salmonella Corvallis		1							1	1
Salmonella Eastbourne									0	1
Salmonella Enteritidis	2	2	3	2	2	4	1	2	23	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	2	1	8	5
Salmonella Infantis			1		1	1			4	6
Salmonella Javiana									1	4
Salmonella Johannesburg				1					1	2
Salmonella Kentucky	1	1	3	1	1				8	5
Salmonella Kiambu					1				1	4
Salmonella Kottbus									1	0
Salmonella Lindern	1								1	0
Salmonella Matopeni							1		1	0
Salmonella Mbandaka				1					1	2
Salmonella Mississippi			1						1	0
Salmonella Muenchen	1	1		1	2	2	2		9	6
Salmonella Newport						1			1	7
Salmonella Oranienburg	1						1		2	0
Salmonella Orientalis							1		1	0
Salmonella Orion	2								3	1
Salmonella Paratyphi B bv Java	1		1	1		1			5	11
Salmonella Poona					2				2	0
Salmonella Rissen									1	0
Salmonella Saintpaul	1	6	2	4	2		1		21	12
Salmonella Senftenberg z27 phase			1						1	0
Salmonella Singapore				2	1	1	2		6	13
Salmonella Stanley		1	1	1	1	1	1		6	17
Salmonella Typhimurium	13	45	27	25	20	17	28	10	201	373
Salmonella Virchow	1			1	1	1	1		6	8
Salmonella Welikade	1								2	1
Salmonella Weltevreden	1					1			3	6
Salmonella species	2	4	6	5	2	4	4	24	54	26
Salmonella subsp 1 ser 1,4,12:i:-									1	0