



## Department of Health

### STATEWIDE NOTIFIABLE DISEASES WEEKLY REPORT

Epidemiology & Surveillance Program  
Communicable Disease Control Directorate

Report for eight week period 13-NOV-17 to 07-JAN-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 1			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	19/11	26/11	03/12	10/12	17/12	24/12	31/12	07/01	2018	2017	2016			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)	2	1		2		1	1		0	1	0	2	1.5	1.4
Hepatitis B (unspecified)	13	9	9	14	6	12	9	4	4	3	6	31	43.1	0.7
Hepatitis C (newly acquired)		2	4	4	1		2	1	1	0	4	4	10.9	0.4
Hepatitis C (unspecified)	9	23	23	28	17	20	11	10	10	16	9	58	73.4	0.8
Hepatitis D									0	0	0	0	0.3	0.0
<b>Enteric diseases</b>														
Campylobacteriosis	83	67	74	89	61	60	50	53	53	86	85	224	232.8	1.0
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis	4	3	1		1	2		2	2	8	2	5	27.5	0.2
Hepatitis A	1								0	0	1	0	1.3	0.0
Hepatitis E									0	0	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.5	0.0
Paratyphoid fever									0	0	1	0	1.1	0.0
Rotavirus	10	5	10	10	5	6	7	4	4	13	1	22	28.3	0.8
STEC/VTEC infection			1	2	1	3	1	5	5	2	0	9	1.5	5.9
Salmonellosis	52	33	51	44	33	28	42	32	32	57	55	135	139.6	1.0
Shigellosis	2	6	7	4	9	3	5	5	5	3	2	22	8.4	2.6
Typhoid	2	2	1	1	1				0	0	0	1	1.0	1.0
Vibrio parahaemolyticus	1	2			1	1	2		0	0	1	4	1.3	3.0
Yersiniosis				1					0	0	1	0	0.7	0.0
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	233	212	219	198	211	225	93	131	131	225	226	660	851.7	0.8
Gonorrhoea	64	48	61	59	56	53	25	27	27	73	42	161	194.9	0.8
Syphilis - Infectious	4	8	2	7	6	6	2	4	4	8	7	18	13.5	1.3
Syphilis - Non-Infectious	2	6	10	3	4	1	5		0	3	1	10	6.7	1.5
<b>Vaccine preventable diseases</b>														
Influenza	80	64	58	54	72	47	28	30	30	44	32	177	110.9	1.6
Mumps				1	2				0	0	21	2	17.0	0.1
Pertussis	31	32	29	20	22	13	17	6	6	36	61	58	144.7	0.4
Pneumococcal infection	4	3	2	3	4	1		3	3	0	1	8	9.1	0.9
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	15	14	10	6	8	6	6	3	3	18	9	23	32.7	0.7
Varicella (shingles)	40	34	40	54	33	19	14	10	10	40	40	76	114.0	0.7
Varicella (unspecified)	36	24	28	41	28	35	27	31	31	23	32	121	111.2	1.1
<b>Vector-borne diseases</b>														
Arboviral encephalitis									0	0	1	0	0.4	0.0
Barmah Forest virus	1	1				2	1	1	1	0	1	4	15.6	0.3
Chikungunya									0	2	0	0	1.5	0.0
Dengue fever	5	1	2		3	1	2		0	7	9	6	35.8	0.2
Malaria		2		2				1	1	3	0	1	6.6	0.2
Ross River virus	11	7	19	12	13	3	6	13	13	48	14	35	105.5	0.3
Schistosomiasis									0	10	3	0	13.8	0.0
Typhus					1	1	1		0	1	0	3	2.3	1.3
<b>Zoonotic diseases</b>														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis			1						0	0	0	0	0.0	0.0
Psittacosis									0	0	0	0	0.4	0.0
Q Fever									0	0	0	0	0.4	0.0
<b>Other diseases</b>														
Creutzfeldt-Jakob disease									0	0	1	0	0.4	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.2	0.0
Legionellosis		1	2	2					0	0	0	0	5.9	0.0
Leprosy				1					0	0	0	0	0.3	0.0
Melioidosis									0	0	0	0	0.7	0.0
Meningococcal infection	2	2		2	1		3	2	2	0	1	6	1.1	5.6
Tuberculosis	2	4	3	4	9	1	11		0	3	2	21	11.2	1.9
<b>Grand Total</b>	<b>709</b>	<b>617</b>	<b>668</b>	<b>667</b>	<b>609</b>	<b>549</b>	<b>371</b>	<b>378</b>						

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

Disease Category/Disease	Week Ending								Cumulative Total to end of week 1			Total Last 4 Weeks	Mean of 15 x 4 week periods[3]	Ratio [4]
	19/11	26/11	03/12	10/12	17/12	24/12	31/12	07/01	2018	2017	2016			
	<b>Blood-borne diseases[2]</b>													
Hepatitis B (newly acquired)	1	1		1		1			0	0	0	1	1.2	0.8
Hepatitis B (unspecified)	6	9	8	9	5	8	6	4	4	3	5	23	32.2	0.7
Hepatitis C (newly acquired)		1	4	4	1		2	1	1	0	3	4	8.8	0.5
Hepatitis C (unspecified)	8	18	17	19	11	15	9	6	6	12	7	41	53.7	0.8
Hepatitis D									0	0	0	0	0.3	0.0
<b>Enteric diseases</b>														
Campylobacteriosis	68	52	59	74	46	44	39	38	38	71	69	167	179.9	0.9
Cholera									0	0	0	0	0.0	0.0
Cryptosporidiosis	4	2	1			1		1	1	8	2	2	16.1	0.1
Hepatitis A	1								0	0	1	0	0.9	0.0
Hepatitis E									0	0	0	0	0.3	0.0
Listeriosis									0	1	0	0	0.5	0.0
Paratyphoid fever									0	0	1	0	1.0	0.0
Rotavirus	9	3	10	10	5	6	7	4	4	11	1	22	22.5	1.0
STEC/VTEC infection			1	2	1	2		1	5	1	0	8	0.7	12.0
Salmonellosis	39	21	41	37	22	18	30	24	24	43	37	94	104.8	0.9
Shigellosis			2	3	2	2			0	0	2	4	3.4	1.2
Typhoid	1	2	1	1	1				0	0	0	1	0.7	1.4
Vibrio parahaemolyticus	1	1			1	1	2		0	0	1	4	1.3	3.2
Yersiniosis				1					0	0	1	0	0.5	0.0
<b>Sexually transmissible infections</b>														
Chlamydia (genital)	170	175	171	146	167	184	77	108	108	186	167	536	650.0	0.8
Gonorrhoea	41	32	44	37	27	34	14	16	16	49	25	91	116.7	0.8
Syphilis - Infectious	3	6	2	6	3	6	1	3	3	6	4	13	10.3	1.3
Syphilis - Non-Infectious	2	6	10	2	3	1	3		0	2	0	7	4.7	1.5
<b>Vaccine preventable diseases</b>														
Influenza	48	33	38	39	51	33	21	25	25	37	24	130	88.0	1.5
Mumps				1		2			0	0	0	2	3.0	0.7
Pertussis	22	23	14	16	15	9	10	5	5	28	41	39	102.1	0.4
Pneumococcal infection	1	1	1	1	2	1			0	0	0	3	4.9	0.6
Rubella (non-congenital)									0	0	0	0	0.0	0.0
Varicella (chicken pox)	10	10	6	5	7	3	3	3	3	12	6	16	23.5	0.7
Varicella (shingles)	30	24	32	41	26	15	9	6	6	26	32	56	85.5	0.7
Varicella (unspecified)	35	23	27	36	26	31	26	30	30	22	29	113	99.3	1.1
<b>Vector-borne diseases</b>														
Arboviral encephalitis									0	0	0	0	0.3	0.0
Barmah Forest virus						1			0	0	0	1	11.0	0.1
Chikungunya									0	1	0	0	1.3	0.0
Dengue fever	5	1	2		3		1		0	6	8	4	28.3	0.1
Malaria		2		1				1	1	2	0	1	5.7	0.2
Ross River virus	11	4	15	8	10	2	4	10	10	23	13	26	66.3	0.4
Schistosomiasis									0	10	3	0	12.8	0.0
Typhus						1	1		0	0	0	2	1.9	1.1
<b>Zoonotic diseases</b>														
Brucellosis									0	0	0	0	0.0	0.0
Leptospirosis			1						0	0	0	0	0.0	0.0
Psittacosis									0	0	0	0	0.1	0.0
Q Fever									0	0	0	0	0.1	0.0
<b>Other diseases</b>														
Creutzfeldt-Jakob disease									0	0	0	0	0.2	0.0
Haemolytic Uraemic Syndrome									0	1	0	0	0.2	0.0
Legionellosis			1	2					0	0	0	0	4.0	0.0
Leprosy				1					0	0	0	0	0.1	0.0
Melioidosis									0	0	0	0	0.4	0.0
Meningococcal infection	1	2			1		3	1	1	0	0	5	0.6	8.3
Tuberculosis	2	4	3	3	8		8		0	3	2	16	9.5	1.7
<b>Grand Total</b>	<b>519</b>	<b>457</b>	<b>512</b>	<b>505</b>	<b>445</b>	<b>419</b>	<b>277</b>	<b>291</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)							
Hepatitis B (unspecified)	1	7 (10)	0.1	1	7 (1)	0.1	2	9 (9)	0.3
Hepatitis C (newly acquired)				1	2 (1)	0.1		2 (4)	
Hepatitis C (unspecified)	2	10 (14)	0.3	1	18 (23)	0.1	3	13 (25)	0.4
<b>Enteric diseases</b>									
Campylobacteriosis	12	60 (94)	1.6	18	49 (71)	2.6	8	58 (80)	1.1
Cryptosporidiosis		1 (7)					1	1 (3)	0.1
Rotavirus	4	11 (7)	0.5		6 (4)			5 (15)	
STEC/VTEC infection	2	2	0.3	1	2 (2)	0.1	2	4 (1)	0.3
Salmonellosis	8	28 (43)	1.0	9	25 (59)	1.3	7	41 (42)	0.9
Shigellosis		1			2			1 (1)	
Typhoid								1	
Vibrio parahaemolyticus		2 (1)			1			1 (1)	
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	38	163 (197)	4.9	33	182 (208)	4.8	37	191 (203)	5.0
Gonorrhoea	4	24 (40)	0.5	2	23 (41)	0.3	10	44 (63)	1.4
Syphilis - Infectious	1	4 (6)	0.1	2	7 (4)	0.3		2 (9)	
Syphilis - Non-Infectious		1 (1)			4 (4)			2 (2)	
<b>Vaccine preventable diseases</b>									
Influenza	14	54 (32)	1.8	4	42 (31)	0.6	7	34 (35)	0.9
Mumps		2 (1)							
Pertussis	1	14 (33)	0.1	4	13 (22)	0.6		12 (30)	
Pneumococcal infection					2 (2)			1 (1)	
Varicella (chicken pox)	2	9 (10)	0.3		3 (7)		1	4 (23)	0.1
Varicella (shingles)		21 (39)		4	21 (25)	0.6	2	14 (31)	0.3
Varicella (unspecified)	12	41 (31)	1.6	8	36 (37)	1.2	10	36 (28)	1.4
<b>Vector-borne diseases</b>									
Barmah Forest virus					1				
Dengue fever		1 (8)						3 (4)	
Malaria							1	1 (2)	0.1
Ross River virus	3	5 (14)	0.4	1	10 (24)	0.1	6	11 (17)	0.8
Typhus		2							
<b>Other diseases</b>									
Meningococcal infection				1	2 (1)	0.1		3	
Tuberculosis		9 (6)			3 (4)			4 (7)	
<b>Grand Total</b>	<b>104</b>	<b>473 (595)</b>		<b>90</b>	<b>461 (571)</b>		<b>97</b>	<b>498 (636)</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)		1 (1)							
Hepatitis B (unspecified)					1 (1)			2	
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)	2	7 (4)	1.1					1 (6)	
<b>Enteric diseases</b>									
Campylobacteriosis	5	20 (23)	2.7	3	7 (8)	4.8	3	11 (5)	3.8
Cryptosporidiosis	1	1	0.5					1	
Rotavirus									
STEC/VTEC infection									
Salmonellosis	2	11 (7)	1.1		2 (3)			3 (2)	
Shigellosis									
Typhoid									
Vibrio parahaemolyticus									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	4	27 (28)	2.1	2	9 (10)	3.2	3	10 (10)	3.8
Gonorrhoea	3	9 (2)	1.6					5 (1)	
Syphilis - Infectious		1 (1)							
Syphilis - Non-Infectious		1							
<b>Vaccine preventable diseases</b>									
Influenza	2	8 (6)	1.1	1	3 (4)	1.6			
Mumps									
Pertussis	1	13 (10)	0.5		5 (11)			1 (1)	
Pneumococcal infection		1 (1)							
Varicella (chicken pox)		3 (3)			1 (1)			1	
Varicella (shingles)	3	12 (17)	1.6		3 (6)			2 (3)	
Varicella (unspecified)					2				
<b>Vector-borne diseases</b>									
Barmah Forest virus	1	3	0.5						
Dengue fever		1 (1)							
Malaria									
Ross River virus	2	7 (37)	1.1						
Typhus		1							
<b>Other diseases</b>									
Meningococcal infection									
Tuberculosis		1						2 (1)	
<b>Grand Total</b>	<b>26</b>	<b>128 (141)</b>		<b>6</b>	<b>33 (44)</b>		<b>6</b>	<b>39 (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)									
Hepatitis B (unspecified)		3						1	
Hepatitis C (newly acquired)									
Hepatitis C (unspecified)		2 (2)			1 (4)		1	2 (2)	1.5
<b>Enteric diseases</b>									
Campylobacteriosis		5 (5)		1	2 (10)	1.6	1	5 (3)	1.5
Cryptosporidiosis									
Rotavirus									
STEC/VTEC infection		1							
Salmonellosis		2 (5)		1	3 (6)	1.6	3	7 (3)	4.4
Shigellosis				3	3 (2)	4.9		5 (2)	
Typhoid									
Vibrio parahaemolyticus									
<b>Sexually transmissible infections</b>									
Chlamydia (genital)	5	16 (12)	7.2	2	13 (17)	3.3	2	11 (19)	2.9
Gonorrhoea	2	6 (2)	2.9	1	6 (16)	1.6		5 (15)	
Syphilis - Infectious					2		1	1	1.5
Syphilis - Non-Infectious									
<b>Vaccine preventable diseases</b>									
Influenza		2 (3)			1 (2)			2 (10)	
Mumps									
Pertussis									
Pneumococcal infection	2	2 (1)	2.9	1	2 (1)	1.6			
Varicella (chicken pox)									
Varicella (shingles)					2 (9)				
Varicella (unspecified)		3 (2)		1	1	1.6			
<b>Vector-borne diseases</b>									
Barmah Forest virus									
Dengue fever									
Malaria									
Ross River virus		1 (1)					1	1 (3)	1.5
Typhus									
<b>Other diseases</b>									
Meningococcal infection				1	1	1.6			
Tuberculosis		2							
<b>Grand Total</b>	<b>9</b>	<b>45 (33)</b>		<b>11</b>	<b>37 (67)</b>		<b>9</b>	<b>40 (57)</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	2 (2)	0.0
Hepatitis B (unspecified)		1 (1)		4	31 (23)	0.1
Hepatitis C (newly acquired)				1	4 (5)	0.0
Hepatitis C (unspecified)	1	3	2.5	10	58 (86)	0.4
<b>Enteric diseases</b>						
Campylobacteriosis		3 (3)		53	224 (305)	1.9
Cryptosporidiosis		1 (3)		2	5 (19)	0.1
Rotavirus				4	22 (29)	0.1
STEC/VTEC infection				5	9 (5)	0.2
Salmonellosis	2	6 (5)	5.0	32	135 (178)	1.2
Shigellosis	2	8 (2)	5.0	5	22 (11)	0.2
Typhoid				0	1 (1)	0.0
Vibrio parahaemolyticus				0	4 (2)	0.0
<b>Sexually transmissible infections</b>						
Chlamydia (genital)	5	35 (41)	12.5	131	660 (748)	4.7
Gonorrhoea	5	35 (33)	12.5	27	161 (217)	1.0
Syphilis - Infectious		1 (3)		4	18 (24)	0.1
Syphilis - Non-Infectious				0	10 (8)	0.0
<b>Vaccine preventable diseases</b>						
Influenza	2	28 (1)	5.0	30	177 (130)	1.1
Mumps				0	2 (4)	0.0
Pertussis				6	58 (111)	0.2
Pneumococcal infection				3	8 (11)	0.1
Varicella (chicken pox)		1 (2)		3	23 (53)	0.1
Varicella (shingles)	1	1 (4)	2.5	10	76 (146)	0.4
Varicella (unspecified)				31	121 (101)	1.1
<b>Vector-borne diseases</b>						
Barmah Forest virus				1	4 (0)	0.0
Dengue fever				0	6 (19)	0.0
Malaria				1	1 (8)	0.0
Ross River virus				13	35 (126)	0.5
Typhus				0	3 (5)	0.0
<b>Other diseases</b>						
Meningococcal infection				2	6 (1)	0.1
Tuberculosis				0	21 (18)	0.0
<b>Grand Total</b>	<b>18</b>	<b>123 (98)</b>		<b>378</b>	<b>1907 (2436)</b>	

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

	Week Ending							Cumulative Total to end of Week 1	
	19/11	26/11	03/12	10/12	17/12	24/12	31/12	2018	2017
	<b>Salmonella Total</b>	<b>52</b>	<b>33</b>	<b>51</b>	<b>44</b>	<b>33</b>	<b>26</b>	<b>23</b>	<b>32</b>
<b>Serotype/Phage</b>									
Salmonella Agona	1			1				0	1
Salmonella Albany						1	1	0	0
Salmonella Anatum	1				1	1		0	0
Salmonella Birkenhead						1		0	0
Salmonella Bonn				1				0	0
Salmonella Bovismorbificans	1		3			1		0	0
Salmonella Bredeney							1	0	0
Salmonella Chester	2				1	1		0	0
Salmonella Choleraesuis bv Decatur				1				0	0
Salmonella Corvallis	1							0	0
Salmonella Eastbourne	2		1	1				0	1
Salmonella Enteritidis	3	5	1		1	1		1	4
Salmonella Fremantle subsp II		1						0	0
Salmonella Give								0	1
Salmonella Hadar		1						0	0
Salmonella Havana		1	1					0	0
Salmonella Hvittingfoss	1		3	1	1	1		0	1
Salmonella Infantis		1		1				0	0
Salmonella Javiana				1				0	0
Salmonella Johannesburg			1					0	1
Salmonella Kentucky	2							0	1
Salmonella Kiambu			1				1	0	0
Salmonella Mbandaka		1						0	0
Salmonella Meleagridis							1	0	0
Salmonella Muenchen				1			1	0	2
Salmonella Newport	2			1	1	1		0	0
Salmonella Ohio						1		0	0
Salmonella Orientalis							2	0	0
Salmonella Orion		1						0	0
Salmonella Paratyphi B bv Java	2	1	2	2				0	0
Salmonella Potsdam		1		1				0	0
Salmonella Reading		1						0	0
Salmonella Saintpaul		3	1		1	2	1	0	1
Salmonella Schwarzengrund			1					0	1
Salmonella Singapore		1			1			0	2
Salmonella Stanley	1	1	2	4	1	1		0	0
Salmonella Typhimurium	22	11	26	22	20	9	13	3	33
Salmonella Virchow	1	1	4	2	1	3		0	2
Salmonella Wandsbek subsp II	1							0	0
Salmonella Wandsworth			1		1			0	0
Salmonella Wangata			1					0	0
Salmonella Welikade				1				0	0
Salmonella Weltevreden			1		1			0	1
Salmonella species	9	2	1	3	2	2	2	28	1