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## MONTHLY NOTIFIABLE DISEASE SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by Public Health Service (PHS) staff as at 21 January 2015. Changes made to EpiSurv data after this date will not be reflected in this report. The results presented may be updated and should be regarded as provisional.

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### 1. Key notifiable disease trends

*Botulism:* One probable case of botulism was notified in December 2014. The case was a male in the 50–59 years age group who was a visitor in New Zealand from Japan. The probable source was a risotto meal, inappropriately stored without refrigeration.

*Chikungunya fever:* 18 cases of chikungunya fever (15 confirmed and 3 probable) were notified in December 2014. All cases reported overseas travel during the incubation period to Samoa (16 cases), French Polynesia, and Kiribati (1 case each).

*Cryptosporidiosis:* 24 cases of cryptosporidiosis were notified in December 2014 compared to 32 cases notified during the same month of the previous year. The cases ranged in age from 10 months to 59 years, with the highest number of cases in the 1–4 years (7 cases) age group. The highest numbers of cases were reported from Southern (6 cases) and Nelson Marlborough (4 cases) DHBs. Among the cases where risk factor information was recorded, 50.0% (5/10) had contact with farm animals, and 50.0% (5/10) had consumed untreated water.

*Hepatitis NOS:* One case of hepatitis NOS (hepatitis delta) was notified in December 2014. The case was a male in the 20–29 years age group from Waitemata DHB. The probable source was home tattoo in Kirabati in mid-2013.

*Paralytic shellfish poisoning:* 14 cases of paralytic shellfish poisoning were reported in December 2014. Twelve of the 14 cases were part of an outbreak of toxic shellfish poisoning reported in the Bay of Plenty region. These 12 cases had consumed tuatuas (7 cases) and mussels (5 cases) collected from the Bay of Plenty coastline. One interim toxic shellfish poisoning outbreak involving 12 cases was reported in December 2014.

*Pertussis:* 57 cases of pertussis were notified in December 2014 compared to 158 cases in the same month of the previous year (Figure 1). Three cases were hospitalised and no deaths were reported. There were 38 (66.7%) cases laboratory-confirmed: 29 cases by isolation of *Bordetella pertussis* from the nasopharynx and nine cases by PCR. The highest numbers of cases were reported from Auckland (13 cases), Waitemata (11 cases), and Counties Manukau (9 cases) DHBs. The cases ranged in age from 22 days to 92 years, with

22.8% under 5 years old (including five cases aged less than 1 year). The highest number of cases occurred in the 20–29 years (11 cases) and in the 60–69 years age groups (9 cases). The vaccination status was recorded for 23 (40.4%) of cases. Of these, eight were reported as not vaccinated, one received one dose of vaccine, one received two doses of vaccine, eight received three or more doses (including one who had received all five doses), and five were reported as being vaccinated but no dose information was available. Of the cases where the relevant information was recorded, 29.0% (9/31) had contact with a laboratory-confirmed pertussis case and 21.7% (5/23) attended school, pre-school or childcare.

*Tuberculosis disease:* 37 cases of tuberculosis disease (36 – new case and 1 reactivation) were notified in December 2014 compared to 24 cases notified during the same month of the previous year. Twenty-seven cases were laboratory confirmed. The highest number of cases was reported in the Auckland region (17 cases). The cases ranged in age from 18 years to 84 years, with the highest numbers of cases in the 30–39 years (9 cases) and 20–29 years (8 cases) age groups. 79.3% (23/29) of cases were born outside of New Zealand. The *Mycobacterium* species was recorded in 74.1% (20/27) of the laboratory confirmed cases; all were infected with *M. tuberculosis*.

*VTEC/STEC infection:* 13 cases of VTEC/STEC infection (9 confirmed and 4 under investigation) were notified in December 2014 compared to four cases notified during the same month of the previous year (Figure 2). The cases were reported from Auckland, MidCentral, South Canterbury, and Southern (2 cases each), and Waitemata, Lakes, Taranaki, Whanganui and Canterbury (1 case each) DHBs. Five cases were hospitalised of which two had haemolytic uraemic syndrome. One death was reported. The highest number of cases occurred in the 40–49 years age group (4 cases). The serotype/organism was identified by the Enteric Reference Laboratory for the nine confirmed cases of which 88.9% (8/9) were *Escherichia coli* O157:H7. Among the cases for which risk factor information was recorded, 85.7% (6/7) had contact with animals, 50.0% (3/6) attended school, pre-school or childcare, and 20.0% (1/5) had consumed non-habitual water supply.

## 2. Outbreaks

During December 2014, a total of 56 outbreaks (34 final and 22 interim) were created (Table 1 and Table 2). 75.0% were outbreaks of acute gastroenteritis (22 finalised and 20 interim) involving 621 cases in total. This compares with 28 acute gastroenteritis outbreaks involving 341 cases in total created during the same month of the previous year. Of the 42 acute gastroenteritis outbreaks, 35.7% (15/42) were recorded as norovirus. The remaining 27 did not have a pathogen recorded. The majority of acute gastroenteritis outbreaks (42.9%, 18 outbreaks) had person-to-person mode of transmission reported. The most commonly reported settings where exposure occurred were in long term care facilities (16 outbreaks), childcare centres (4 outbreaks), and restaurant/café/bakery (4 outbreaks).

**Table 1. Summary of final outbreaks created in EpiSurv during December 2014**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i>	Waikato, Hutt Valley	3	40
<i>Escherichia coli</i> O157:H7	MidCentral	1	5
Gastroenteritis	Waitemata, Bay of Plenty, Taranaki, Whanganui, MidCentral, Nelson Marlborough, Canterbury	10	117
<i>Giardia</i> <sup>1</sup>	Auckland, Waikato, MidCentral	4	14
Norovirus <sup>1,2</sup>	Auckland, Counties Manukau, Bay of Plenty, MidCentral, Capital and Coast, Nelson Marlborough, Canterbury,	12	423
<i>Salmonella</i> <sup>2</sup>	Hawke's Bay, MidCentral	2	7
<i>Shigella</i> <sup>2</sup>	Taranaki	1	21
<i>Yersinia</i>	Waikato	1	2
<b>Total</b>		<b>34</b>	<b>629</b>

<sup>1</sup> Includes one outbreak reported to PHSs prior to December 2014: norovirus (1) reported in August and *Giardia* reported in November.

<sup>2</sup> Includes outbreaks with overseas transmission: norovirus (Australia), *Salmonella* (Thailand), and *Shigella* (Samoa).

**Table 2. Summary of interim outbreaks created in EpiSurv during December 2014**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Campylobacter</i>	Capital and Coast	1	17
Gastroenteritis <sup>1</sup>	Waitemata, Auckland, Waikato, Capital and Coast, Wairarapa, Canterbury, Southern,	17	65
Norovirus <sup>1</sup>	Canterbury, Southern	3	16
Toxic shellfish poisoning	Bay of Plenty	1	12
<b>Total</b>		<b>22</b>	<b>110</b>

<sup>1</sup> Interim outbreak(s) where total number of cases had not been completed.

### 3. Deaths from notifiable diseases

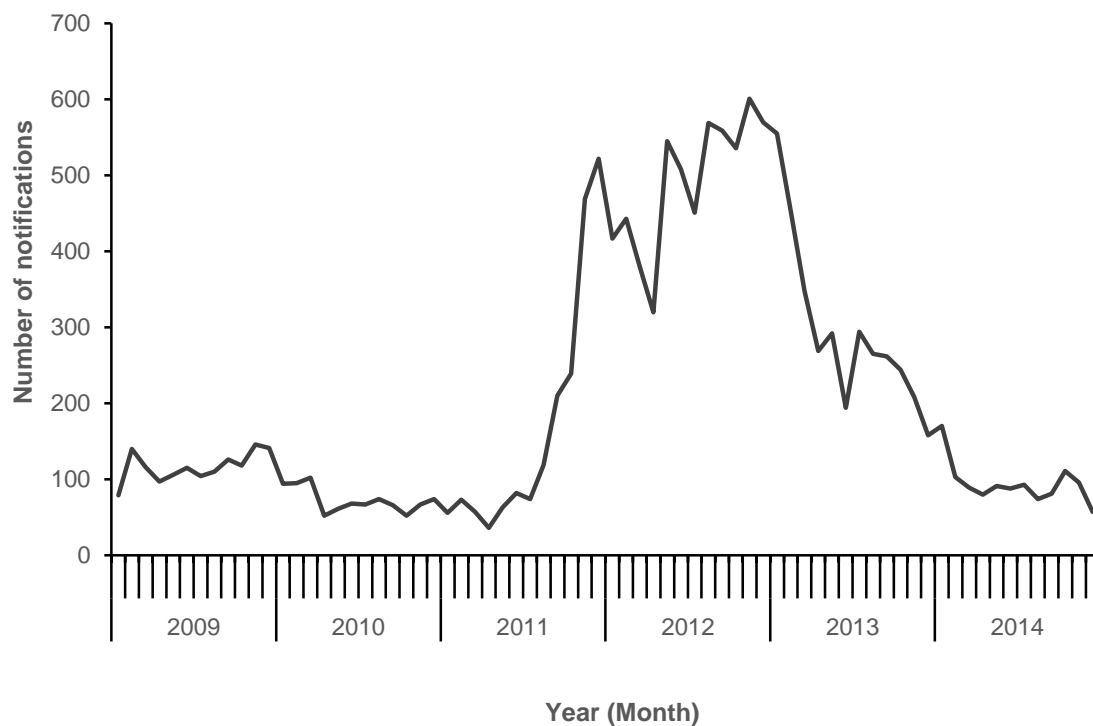
Six deaths, where the primary cause of death was a notifiable disease, were reported in December 2014 (Table 3).

**Table 3. Summary of deaths from notifiable diseases reported during December 2014**

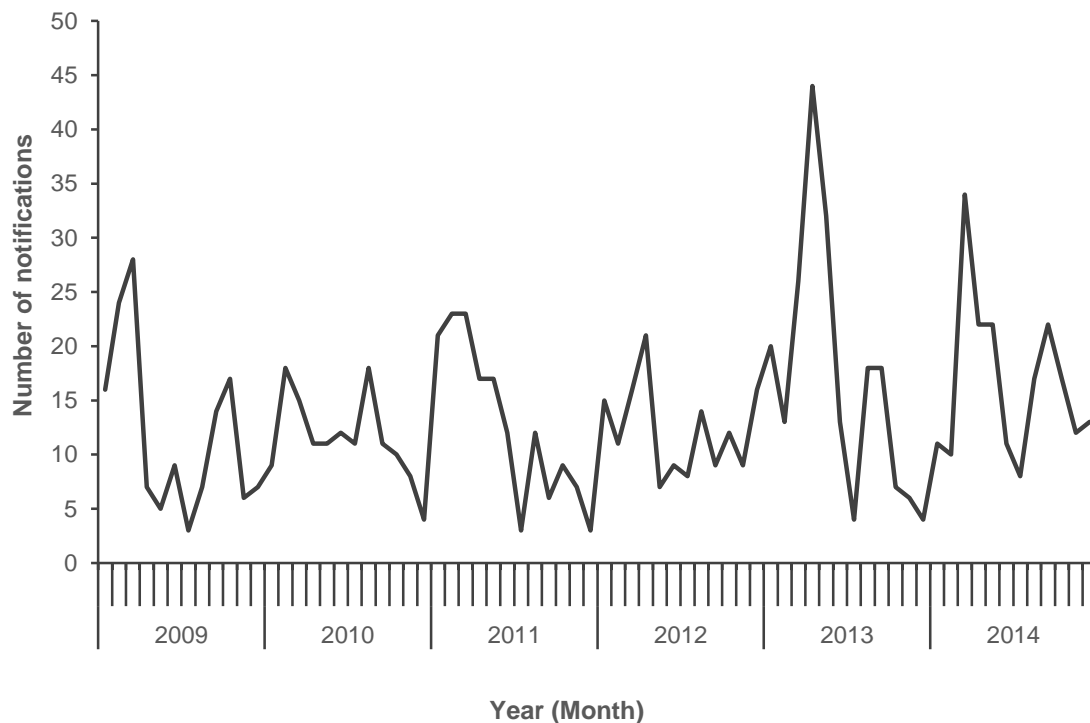
<b>Disease</b>	<b>District health board</b>	<b>Age group (years)</b>
Invasive pneumococcal disease	Auckland	70+
Invasive pneumococcal disease	Auckland	70+
Invasive pneumococcal disease	Whanganui	70+
Invasive pneumococcal disease	Southern	70+
Listeriosis – perinatal	Canterbury	N/A
VTEC/STEC infection	South Canterbury	1–4

#### 4. Trends in selected diseases to December 2014

**Figure 1. Pertussis notifications by month, January 2009 – December 2014**



**Figure 2. VTEC/STEC infection notifications by month, January 2009 – December 2014**



## 5. Data tables

### National Notifiable Disease Surveillance Data December 2014

Disease	Current Year - 2014 <sup>1</sup>			Previous Year - 2013		
	December 2014 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	December 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	881	6770	151.4	899	6837	152.9
Cryptosporidiosis	24	584	13.1	32	1348	30.1
Dengue fever	15	187	4.2	9	106	2.4
Gastroenteritis <sup>3</sup>	53	756	16.9	44	558	12.5
Giardiasis	122	1709	38.2	145	1729	38.7
Haemophilus influenzae type b	1	5	0.1	0	2	0.0
Hepatitis A	1	75	1.7	2	91	2.0
Hepatitis B <sup>4</sup>	4	37	0.8	4	28	0.6
Hepatitis C <sup>4</sup>	3	36	0.8	4	36	0.8
Invasive pneumococcal disease	44	513	11.5	37	479	10.7
Legionellosis	22	132	3.0	22	151	3.4
Leptospirosis	10	69	1.5	2	60	1.3
Listeriosis	2	25	0.6	1	19	0.4
Malaria	2	33	0.7	2	47	1.1
Measles	1	281	6.3	6	8	0.2
Meningococcal disease	2	46	1.0	3	68	1.5
Mumps	2	20	0.4	1	23	0.5
Paratyphoid fever	2	21	0.5	0	25	0.6
Pertussis	57	1133	25.3	158	3540	79.2
Q fever	1	1	0.0	0	0	0.0
Rheumatic fever	11	208	4.7	26	200	4.5
Rickettsial disease	1	7	0.2	1	9	0.2
Rubella	0	4	0.1	0	1	0.0
Salmonellosis	92	960	21.5	96	1143	25.6
Shigellosis	10	132	3.0	9	137	3.1
Tuberculosis disease	37	318	7.1	24	275	6.2
Typhoid fever	4	42	0.9	5	50	1.1
VTEC/STEC infection	13	200	4.5	4	205	4.6
Yersiniosis	37	720	16.1	36	484	10.8

<sup>1</sup> These data are provisional

<sup>2</sup> Rate is based on the cumulative total for the current year (12 months up to and including December 2014) or the previous year (12 months up to and including December 2013), expressed as cases per 100 000

<sup>3</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>4</sup> Only acute cases of this disease are currently notifiable

Other notifiable infectious disease reported in December: Botulism (1), Chikungunya fever (18), Hepatitis NOS (1), Paralytic shellfish poisoning (14)

# Notifiable Disease Surveillance Data by District Health Board December 2014

		Cases <sup>1</sup> and current rate <sup>2</sup> for December 2014 by District Health Board <sup>3</sup>																			
		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Whanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Disease	Cases	43	106	87	52	87	24	35	13	24	50	7	21	64	97	8	20	7	74	10	52
	Rate	152.4	134.1	125.5	100.3	204.9	168.0	153.6	156.3	153.6	189.1	141.0	152.6	146.6	181.0	150.0	137.3	186.8	145.4	271.9	180.4
Campylobacteriosis	Cases	1	2	2	2	0	0	1	0	0	1	0	2	0	0	1	4	0	2	0	6
	Rate	19.5	9.6	7.1	6.0	21.7	13.6	10.8	10.7	17.2	16.1	12.8	11.8	6.3	9.7	27.1	12.0	27.6	16.8	35.1	19.4
Dengue fever	Cases	0	2	4	0	1	0	2	0	0	0	0	0	0	1	0	0	0	3	0	2
	Rate	1.9	5.7	10.3	7.8	2.1	1.9	7.5	0.0	0.0	1.9	0.0	0.6	2.8	2.7	0.0	0.7	0.0	2.8	1.8	1.9
Gastroenteritis	Cases	0	3	7	6	0	1	0	0	1	0	2	14	2	13	0	0	0	4	0	0
	Rate	1.3	11.2	18.2	8.7	4.0	12.6	8.9	0.0	4.5	0.0	35.3	83.7	59.1	65.7	9.8	4.2	12.3	7.9	1.8	2.6
Giardiasis	Cases	5	16	7	10	6	3	4	3	2	13	4	3	0	4	4	8	0	22	2	6
	Rate	35.9	38.6	41.9	32.4	45.9	74.8	43.2	51.4	22.6	58.5	38.5	14.1	31.3	39.3	51.6	41.0	21.4	36.3	36.8	29.1
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.3
Hepatitis A	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.1	2.8	1.7	3.5	0.5	1.0	0.9	2.1	0.0	1.9	3.2	1.2	6.3	0.7	0.0	0.0	0.0	0.6	1.8	0.0
Hepatitis B	Cases	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.9	0.4	0.6	0.5	1.0	1.4	2.1	0.0	1.3	0.0	0.0	1.4	0.3	0.0	1.4	0.0	1.6	0.0	1.3
Hepatitis C	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	3.1	0.2	0.4	0.0	0.0	0.0	0.5	0.0	3.6	1.3	0.0	0.0	2.1	0.7	0.0	1.4	0.0	1.6	0.0	1.9
Invasive pneumococcal	Cases	2	4	3	8	4	2	3	0	1	1	2	1	0	4	1	0	0	1	1	6
	Rate	16.4	8.4	12.6	15.3	11.5	26.2	15.0	15.0	12.6	10.9	16.0	13.0	9.0	10.0	14.8	5.0	3.1	8.3	7.0	8.7
Legionellosis	Cases	4	2	2	1	1	0	1	0	0	0	0	0	0	1	0	2	1	7	0	0
	Rate	8.8	3.0	1.3	3.9	0.5	1.0	2.3	0.0	0.9	0.6	0.0	2.9	0.7	0.7	0.0	3.5	18.4	7.9	1.8	1.6
Leptospirosis	Cases	0	0	0	0	4	0	1	0	0	0	0	1	0	0	0	1	0	0	0	3
	Rate	3.8	0.2	0.0	0.4	2.1	3.9	2.3	2.1	2.7	9.6	4.8	2.4	0.0	0.0	4.9	1.4	3.1	0.6	1.8	2.6
Listeriosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.6	0.4	0.9	1.4	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.8	0.0	0.3	0.0	0.0	0.0	0.2	0.0	1.0
Malaria	Cases	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.2	2.4	1.0	0.8	1.0	0.5	0.0	0.9	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.2	0.0	0.3
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	3.8	11.2	4.5	5.4	33.5	8.7	1.9	4.3	3.6	7.7	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.2	1.8	0.0
Meningococcal disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	Rate	1.9	0.5	0.6	0.2	1.3	0.0	1.4	2.1	0.9	1.3	0.0	1.2	0.7	0.7	2.5	2.8	0.0	1.2	5.3	1.6
Mumps	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	Rate	0.0	0.4	0.6	0.4	0.0	1.0	0.9	2.1	0.0	0.6	0.0	0.0	0.0	0.0	2.5	0.7	0.0	1.0	1.8	0.0
Paratyphoid fever	Cases	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.0	0.7	0.6	0.8	0.3	0.0	0.0	0.0	0.9	0.0	0.0	0.6	1.4	0.0	0.0	0.0	0.0	0.6	0.0	0.6
Pertussis	Cases	2	11	13	9	2	0	2	1	1	2	0	0	0	5	0	3	0	2	0	4
	Rate	24.6	36.1	22.2	31.2	33.0	18.4	19.3	23.6	24.4	26.4	1.6	7.1	18.8	30.3	2.5	43.9	9.2	24.2	7.0	12.9
Q fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Rheumatic fever	Cases	2	2	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	11.3	2.5	4.7	16.5	4.6	6.8	3.3	23.6	0.0	2.6	1.6	0.6	2.8	3.0	4.9	0.0	3.1	0.8	0.0	0.3
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.6	0.0	0.0	0.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salmonellosis	Cases	3	9	9	14	4	2	4	3	2	6	1	2	0	3	0	7	0	10	1	12
	Rate	17.0	23.8	23.9	15.9	15.6	17.5	17.8	23.6	13.6	26.4	14.4	13.6	13.2	14.0	22.1	21.9	21.4	28.8	28.1	39.4
Shigellosis	Cases	0	2	1	2	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	1
	Rate	1.3	2.5	6.4	7.0	2.1	1.9	0.9	0.0	2.7	1.3	0.0	0.6	1.4	4.0	0.0	0.0	0.0	1.2	3.5	3.2
Tuberculosis disease	Cases	0	5	7	5	3	1	3	0	0	1	0	0	3	4	0	0	0	4	0	1
	Rate	4.4	6.6	15.2	10.1	5.4	5.8	6.1	4.3	3.6	2.6	3.2	8.3	8.3	12.7	4.9	1.4	3.1	5.1	1.8	1.3
Typhoid fever	Cases	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	2.6	2.9	0.3	0.0	1.4	2.1	0.0	0.6	0.0	0.0	0.7	0.7	0.0	0.7	0.0	0.4	0.0	0.6
Viral Haemorrhagic Fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VTEC/STEC infection	Cases	0	1	2	0	0	1	0	0	1	0	1	2	0	0	0	0	0	1	2	2
	Rate	6.9	3.7	3.2	3.5	10.7	5.8	4.7	0.0	6.3	1.3	4.8	2.4	2.1	2.0	2.5	5.0	0.0	4.9	12.3	4.5
Yersiniosis	Cases	0	6	3	4	4	0	4	1	0	1	1	1	1	1	0	0	0	10	0	0
	Rate	7.6	10.3	16.5	11.1	15.6	25.2	20.2	15.0	8.1	10.9	6.4	5.9	13.2	21.7	4.9	2.1	9.2	40.4	22.8	10.3

<sup>1</sup> These data are provisional

<sup>2</sup> Current rate is based on the cumulative total for the 12 months up to and including December 2014 expressed as cases per 100 000

<sup>3</sup> Further data are available from the local Medical Officer of Health

# Notifiable Disease Surveillance Data by District Health Board December 2014

		Cases <sup>1</sup> and current rate <sup>2</sup> for December 2014 by District Health Board <sup>3</sup>																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Whanganui	MtCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	43	106	87	52	87	24	35	13	24	50	7	21	64	97	8	20	7	74	10	52
	Rate	152.4	134.1	125.5	100.3	204.9	168.0	153.6	156.3	153.6	189.1	141.0	152.6	146.6	181.0	150.0	137.3	186.8	145.4	271.9	180.4
Cryptosporidiosis	Cases	1	2	2	2	0	0	1	0	0	1	0	2	0	0	1	4	0	2	0	6
	Rate	19.5	9.6	7.1	6.0	21.7	13.6	10.8	10.7	17.2	16.1	12.8	11.8	6.3	9.7	27.1	12.0	27.6	16.8	35.1	19.4
Dengue fever	Cases	0	2	4	0	1	0	2	0	0	0	0	0	0	1	0	0	0	3	0	2
	Rate	1.9	5.7	10.3	7.8	2.1	1.9	7.5	0.0	0.0	1.9	0.0	0.6	2.8	2.7	0.0	0.7	0.0	2.8	1.8	1.9
Gastroenteritis	Cases	0	3	7	6	0	1	0	0	1	0	2	14	2	13	0	0	0	4	0	0
	Rate	1.3	11.2	18.2	8.7	4.0	12.6	8.9	0.0	4.5	0.0	35.3	83.7	59.1	65.7	9.8	4.2	12.3	7.9	1.8	2.6
Giardiasis	Cases	5	16	7	10	6	3	4	3	2	13	4	3	0	4	4	8	0	22	2	6
	Rate	35.9	38.6	41.9	32.4	45.9	74.8	43.2	51.4	22.6	58.5	38.5	14.1	31.3	39.3	51.6	41.0	21.4	36.3	36.8	29.1
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	0.0	0.0	0.3
Hepatitis A	Cases	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.1	2.8	1.7	3.5	0.5	1.0	0.9	2.1	0.0	1.9	3.2	1.2	6.3	0.7	0.0	0.0	0.0	0.6	1.8	0.0
Hepatitis B	Cases	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.9	0.4	0.6	0.5	1.0	1.4	2.1	0.0	1.3	0.0	0.0	1.4	0.3	0.0	1.4	0.0	1.6	0.0	1.3
Hepatitis C	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1
	Rate	3.1	0.2	0.4	0.0	0.0	0.0	0.5	0.0	3.6	1.3	0.0	0.0	2.1	0.7	0.0	1.4	0.0	1.6	0.0	1.9
Invasive pneumococcal disease	Cases	2	4	3	8	4	2	3	0	1	1	2	1	0	4	1	0	0	1	1	6
	Rate	16.4	8.4	12.6	15.3	11.5	26.2	15.0	15.0	12.6	10.9	16.0	13.0	9.0	10.0	14.8	5.0	3.1	8.3	7.0	8.7
Legionellosis	Cases	4	2	2	1	1	0	1	0	0	0	0	0	0	1	0	2	1	7	0	0
	Rate	8.8	3.0	1.3	3.9	0.5	1.0	2.3	0.0	0.9	0.6	0.0	2.9	0.7	0.7	0.0	3.5	18.4	7.9	1.8	1.6
Leptospirosis	Cases	0	0	0	0	4	0	1	0	0	0	0	1	0	0	0	1	0	0	0	3
	Rate	3.8	0.2	0.0	0.4	2.1	3.9	2.3	2.1	2.7	9.6	4.8	2.4	0.0	0.0	4.9	1.4	3.1	0.6	1.8	2.6
Listeriosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.6	0.4	0.9	1.4	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.8	0.0	0.3	0.0	0.0	0.0	0.2	0.0	1.0
Malaria	Cases	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.2	2.4	1.0	0.8	1.0	0.5	0.0	0.9	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.0	1.2	0.0	0.3
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	3.8	11.2	4.5	5.4	33.5	8.7	1.9	4.3	3.6	7.7	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.2	1.8	0.0
Meningococcal disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
	Rate	1.9	0.5	0.6	0.2	1.3	0.0	1.4	2.1	0.9	1.3	0.0	1.2	0.7	0.7	2.5	2.8	0.0	1.2	5.3	1.6
Mumps	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	Rate	0.0	0.4	0.6	0.4	0.0	1.0	0.9	2.1	0.0	0.6	0.0	0.0	0.0	0.0	2.5	0.7	0.0	1.0	1.8	0.0
Paratyphoid fever	Cases	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.0	0.7	0.6	0.8	0.3	0.0	0.0	0.0	0.9	0.0	0.0	0.6	1.4	0.0	0.0	0.0	0.0	0.6	0.0	0.6
Pertussis	Cases	2	11	13	9	2	0	2	1	1	2	0	0	0	5	0	3	0	2	0	4
	Rate	24.6	36.1	22.2	31.2	33.0	18.4	19.3	23.6	24.4	26.4	1.6	7.1	18.8	30.3	2.5	43.9	9.2	24.2	7.0	12.9
Q fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Rheumatic fever	Cases	2	2	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	11.3	2.5	4.7	16.5	4.6	6.8	3.3	23.6	0.0	2.6	1.6	0.6	2.8	3.0	4.9	0.0	3.1	0.8	0.0	0.3
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.6	0.0	0.0	0.2	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Salmonellosis	Cases	3	9	9	14	4	2	4	3	2	6	1	2	0	3	0	7	0	10	1	12
	Rate	17.0	23.8	23.9	15.9	15.6	17.5	17.8	23.6	13.6	26.4	14.4	13.6	13.2	14.0	22.1	21.9	21.4	28.8	28.1	39.4
Shigellosis	Cases	0	2	1	2	0	1	1	0	1	0	0	0	0	0	0	0	0	1	0	1
	Rate	1.3	2.5	6.4	7.0	2.1	1.9	0.9	0.0	2.7	1.3	0.0	0.6	1.4	4.0	0.0	0.0	0.0	1.2	3.5	3.2
Tuberculosis disease	Cases	0	5	7	5	3	1	3	0	0	1	0	0	3	4	0	0	0	4	0	1
	Rate	4.4	6.6	15.2	10.1	5.4	5.8	6.1	4.3	3.6	2.6	3.2	8.3	8.3	12.7	4.9	1.4	3.1	5.1	1.8	1.3
Typhoid fever	Cases	0	0	0	3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.2	2.6	2.9	0.3	0.0	1.4	2.1	0.0	0.6	0.0	0.0	0.7	0.7	0.0	0.7	0.0	0.4	0.0	0.6
Viral Haemorrhagic Fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
VTEC/STEC infection	Cases	0	1	2	0	0	1	0	0	1	0	1	2	0	0	0	0	0	1	2	2
	Rate	6.9	3.7	3.2	3.5	10.7	5.8	4.7	0.0	6.3	1.3	4.8	2.4	2.1	2.0	2.5	5.0	0.0	4.9	12.3	4.5
Yersiniosis	Cases	0	6	3	4	4	0	4	1	0	1	1	1	1	1	0	0	0	10	0	0
	Rate	7.6	10.3	16.5	11.1	15.6	25.2	20.2	15.0	8.1	10.9	6.4	5.9	13.2	21.7	4.9	2.1	9.2	40.4	22.8	10.3

<sup>1</sup> These data are provisional

<sup>2</sup> Current rate is based on the cumulative total for the 12 months up to and including December 2014 expressed as cases per 100 000

<sup>3</sup> Further data are available from the local Medical Officer of Health



# Notifiable Disease Surveillance Data for the 12 months ending December-2014 by District Health Board

Disease	Cases for the 12 months ending December 2014 <sup>1 2</sup> by District Health Board																			
	Total	Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Whanganui	MidCentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury
Campylobacteriosis	6770	242	754	587	517	764	173	327	73	170	294	88	259	211	543	61	194	61	738	155
Cryptosporidiosis	584	31	54	33	31	81	14	23	5	19	25	8	20	9	29	11	17	9	85	20
Dengue fever	187	3	32	48	40	8	2	16	0	0	3	0	1	4	8	0	1	0	14	1
Gastroenteritis	756	2	63	85	45	15	13	19	0	5	0	22	142	85	197	4	6	4	40	1
Giardiasis	1709	57	217	196	167	171	77	92	24	25	91	24	24	45	118	21	58	7	184	21
Haemophilus influenzae type b	5	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
Hepatitis A	75	5	16	8	18	2	1	2	1	0	3	2	2	9	2	0	0	0	3	1
Hepatitis B	37	1	5	2	3	2	1	3	1	0	2	0	0	2	1	0	2	0	8	0
Hepatitis C	36	5	1	2	0	0	0	1	0	4	2	0	0	3	2	0	2	0	8	0
Invasive pneumococcal disease	513	26	47	59	79	43	27	32	7	14	17	10	22	13	30	6	7	1	42	4
Legionellosis	132	14	17	6	20	2	1	5	0	1	1	0	5	1	2	0	5	6	40	1
Leptospirosis	69	6	1	0	2	8	4	5	1	3	15	3	4	0	0	2	2	1	3	1
Listeriosis	25	1	2	4	7	0	0	3	0	0	0	0	3	0	1	0	0	0	1	0
Malaria	33	1	1	11	5	3	1	1	0	1	0	0	0	2	0	0	0	0	6	0
Measles	281	6	63	21	28	125	9	4	2	4	12	0	0	0	5	0	0	0	1	1
Meningococcal disease	46	3	3	3	1	5	0	3	1	1	2	0	2	1	2	1	4	0	6	3
Mumps	20	0	2	3	2	0	1	2	1	0	1	0	0	0	0	1	1	0	5	1
Paratyphoid fever	21	0	4	3	4	1	0	0	0	1	0	0	1	2	0	0	0	0	3	0
Pertussis	1133	39	203	104	161	123	19	41	11	27	41	1	12	27	91	1	62	3	123	4
Q fever	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rheumatic fever	208	18	14	22	85	17	7	7	11	0	4	1	1	4	9	2	0	1	4	0
Rickettsial disease	7	1	0	0	1	4	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Rubella	4	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Salmonellosis	960	27	134	112	82	58	18	38	11	15	41	9	23	19	42	9	31	7	146	16
Shigellosis	132	2	14	30	36	8	2	2	0	3	2	0	1	2	12	0	0	0	6	2
Tuberculosis disease	318	7	37	71	52	20	6	13	2	4	4	2	14	12	38	2	2	1	26	1
Typhoid fever	42	0	1	12	15	1	0	3	1	0	1	0	0	1	2	0	1	0	2	0
Viral Haemorrhagic Fever	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VTEC/STEC infection	200	11	21	15	18	40	6	10	0	7	2	3	4	3	6	1	7	0	25	7
Yersiniosis	720	12	58	77	57	58	26	43	7	9	17	4	10	19	65	2	3	3	205	13
Total	15024	520	1765	1518	1478	1559	408	695	159	313	580	177	551	474	1205	124	405	105	1724	253

<sup>1</sup> These data are provisional

<sup>2</sup> Further data are available from the local Medical Officer of Health

# National Notifiable Disease Surveillance Data December 2014

Disease	Current Year - 2014 <sup>1</sup>			Previous Year - 2013		
	December 2014 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	December 2013 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	881	6770	151.4	899	6837	152.9
Cryptosporidiosis	24	584	13.1	32	1348	30.1
Dengue fever	15	187	4.2	9	106	2.4
Gastroenteritis <sup>3</sup>	53	756	16.9	44	558	12.5
Giardiasis	122	1709	38.2	145	1729	38.7
Haemophilus influenzae type b	1	5	0.1	0	2	0.0
Hepatitis A	1	75	1.7	2	91	2.0
Hepatitis B <sup>4</sup>	4	37	0.8	4	28	0.6
Hepatitis C <sup>4</sup>	3	36	0.8	4	36	0.8
Invasive pneumococcal disease	44	513	11.5	37	479	10.7
Legionellosis	22	132	3.0	22	151	3.4
Leptospirosis	10	69	1.5	2	60	1.3
Listeriosis	2	25	0.6	1	19	0.4
Malaria	2	33	0.7	2	47	1.1
Measles	1	281	6.3	6	8	0.2
Meningococcal disease	2	46	1.0	3	68	1.5
Mumps	2	20	0.4	1	23	0.5
Paratyphoid fever	2	21	0.5	0	25	0.6
Pertussis	57	1133	25.3	158	3540	79.2
Q fever	1	1	0.0	0	0	0.0
Rheumatic fever	11	208	4.7	26	200	4.5
Rickettsial disease	1	7	0.2	1	9	0.2
Rubella	0	4	0.1	0	1	0.0
Salmonellosis	92	960	21.5	96	1143	25.6
Shigellosis	10	132	3.0	9	137	3.1
Tuberculosis disease	37	318	7.1	24	275	6.2
Typhoid fever	4	42	0.9	5	50	1.1
VTEC/STEC infection	13	200	4.5	4	205	4.6
Yersiniosis	37	720	16.1	36	484	10.8

<sup>1</sup> These data are provisional

<sup>2</sup> Rate is based on the cumulative total for the current year (12 months up to and including December 2014) or the previous year (12 months up to and including December 2013), expressed as cases per 100 000

<sup>3</sup> Cases of gastroenteritis from a common source or foodborne intoxication

<sup>4</sup> Only acute cases of this disease are currently notifiable

Other notifiable infectious disease reported in December: Botulism (1), Chikungunya fever (18), Hepatitis NOS (1), Paralytic shellfish poisoning (14)