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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 at 22 February 2017. 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

**Brucellosis:** One confirmed case of brucellosis was notified in January 2017. The case was a female from Counties Manukau DHB, who reported overseas travel to Syria during the incubation period.

**Campylobacteriosis:** 663 cases of campylobacteriosis (654 confirmed and 9 under investigation) were notified in January 2017 compared to 720 cases notified during the same month of the previous year. The highest rates were reported in Hawke's Bay (821.8 cases per 100,000 population, 22 cases), South Canterbury (237.2 per 100,000, 12 cases) and Taranaki (195.0 per 100,000, 17 cases) DHBs, compared to a national rate of 161.0 per 100,000. Sixty-six people were hospitalised. Cases ranged in age from two months to 95 years, and the highest numbers of cases were reported in the 20–29 years (107 cases) and 50–59 years (91 cases) age groups.

**Dengue Fever:** Nine confirmed cases of dengue fever were notified in January 2017 compared to 15 cases notified during the same month of the previous year. All cases had been overseas during the incubation period, including one case who visited more than one country. The countries visited included Vanuatu (3 cases), Thailand (2 cases), and Fiji, Indonesia, New Caledonia, Singapore, Sri Lanka, (1 case each).

**Hepatitis A:** Seven confirmed cases of hepatitis A were notified in January 2017 compared to four cases notified during the previous month and two cases notified during the same month of the previous year. Ethnicity was recorded for 71.4% (5/7) of cases and were reported in the following ethnic groups: Pacific Peoples (4 cases) and European or Other (1 case). Cases were reported in the following DHBs: Counties Manukau (4 cases), Waikato, Capital & Coast, and Canterbury (1 case each). Cases were reported in the 20–29 years (3 cases), 10–14 years, 15–19 years, 30–39 years and 70 years and over (1 case each) age groups. Four cases travelled overseas during the incubation period, including one case who visited more than one country. The countries visited included Samoa (2 cases), Fiji, England and Spain. Two cases reported consuming supermarket bought mussels and another case had been in contact with family who had been overseas.

**Invasive pneumococcal disease:** 35 cases of invasive pneumococcal disease (34 confirmed and 1 under investigation) were notified in January 2017 compared to 23 cases notified during the same month of the previous year. The highest numbers of cases were reported from Counties Manukau and Waikato (6 cases each) and Bay of Plenty (5 cases) DHBs. The cases ranged in age from 10 days to 95 years, with the highest



numbers of cases in the 70 years and over age group (12 cases). Thirty-one cases were hospitalised and four deaths were reported. Among the cases for which risk factor information was recorded, 69.0% (20/29) had a chronic illness, 20.0% (6/30) had chronic lung disease or cystic fibrosis, and 19.2% (5/26) were immunocompromised.

**Leprosy:** One confirmed leprosy case was notified in January 2017. The case was a male in the 30–39 years age group from Southern DHB. The case travelled to the Philippines during the incubation period.

**Leptospirosis:** 11 cases of leptospirosis (8 confirmed, 1 probable and 2 under investigation) were notified in January 2017 compared to three cases notified during the same month of the previous year (Figure 1). The highest number of cases was reported from Waikato DHB (4 cases). Cases were reported in the 30–39 years (4 cases), 40–49 years (3 cases), 50–59 years (2 cases) and 20–29 years and 60–69 years (1 case each) age groups. Occupational exposure risk factor information was recorded for all cases of which eight reported being exposed, six were farmers or farm workers, one worked in the meat processing industry, and one was an agricultural sprayer. The remaining cases reported exposure through animals via drenching calves, and swimming in a stream. One case did not have any risk factor information recorded. The *Leptospira* species was recorded for four cases all of which were *L. Hardjo*.

**Mumps:** 11 cases of mumps (9 probable and 2 under investigation) were notified in January 2017 compared with zero cases notified during the same month of the previous year. The cases were reported from Waitemata DHB (5 cases), Northland Auckland, Counties Manukau, Lakes, Hutt Valley, and Canterbury DHBs (1 case each). Cases were in the 20–29 years (4 cases), 10–14 years and 15–19 years (2 cases each), 1–4 years, 30–39 years, and 50–59 years (1 case each). Four cases were recorded as immunised. One case had received two doses of the vaccine, and the remaining three cases had been vaccinated, but no dose information was available. One finalised mumps virus outbreak (3 cases) was created in January.

**Pertussis:** 93 cases of pertussis (58 confirmed, 32 probable and 3 under investigation) were notified in January 2017 compared to 123 cases in the same month of the previous year (Figure 2). The 12-month rate for the period ending 31 January 2017 (23.2 cases per 100,000 population) was lower than at the same time in the previous year (26.8 per 100,000). Nine cases were hospitalised and no deaths were reported. Fifty-four percent (50/93) of cases were laboratory-confirmed (8 by culture, 33 by PCR, and 9 by culture and PCR). The highest number of cases was reported from Canterbury (20 cases), followed by Southern (14 cases) and Taranaki (10 cases) DHBs. Cases ranged in age from 1 month to 77 years, with 20.4% (19/93) under 5 years of age (including 5 cases aged less than 1 year). The highest numbers of cases were in the 5–9 years (16 cases), 40–49 years (15 cases), and 1–4 years (14 cases) age groups. Three finalised *Bordetella pertussis* outbreaks (16 cases total) were created in January.

**VTEC/STEC infection:** 26 cases of VTEC/STEC infection (25 confirmed and 1 under investigation) were notified in January 2017 compared to 36 cases confirmed during the same month of the previous year. The 12-month rate for the period ending 31 January 2017 (8.9 cases per 100,000 population) was higher than for the same period in the previous year (7.6 per 100,000). The highest numbers of cases were reported from Southern (7 cases) and Counties Manukau (5 cases) DHBs. Cases ranged in age from 13 months to 87 years, with the highest number of cases in the 20–29 years (6 cases). Six cases were hospitalised. Sixteen cases have been confirmed by the Enteric Reference Laboratory as being infected with VTEC/STEC, and of these the serotype was identified as *Escherichia coli* O157:H7 (11 cases) and non-O157 (5 cases). Of the cases for which risk factor information was recorded, 60.0% (12/20) had contact with animals, 23.8% (5/21) had recreational contact with water, and 11.8% (2/17) had contact with children in nappies during the incubation periods for the disease.



## 2. Outbreaks

During January 2017, a total of 40 outbreaks (21 final and 19 interim) were created in EpiSurv (Table 1 and Table 2). Thirty-two (80.0%) were outbreaks of acute gastroenteritis (14 finalised and 18 interim) involving 310 cases in total. This compares with 19 acute gastroenteritis outbreaks involving 294 cases in total created during the same month of the previous year. Of the 32 acute gastroenteritis outbreaks, the pathogens were recorded as: norovirus (10 outbreaks) and sapovirus (2 outbreaks). The most commonly reported mode of transmission in acute gastroenteritis outbreaks (43.8%, 14/32) was person-to-person (12 primary and 2 secondary). Of the outbreaks that had an exposure setting recorded (75.0%, 24/32) the most commonly reported setting was long term care facilities (18 outbreaks).

**Table 1. Summary of final outbreaks created in EpiSurv during January 2017**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Southern	3	16
<i>Cryptosporidium</i>	Canterbury	1	4
Gastroenteritis	Bay of Plenty, Canterbury	4	30
Mumps virus	Lakes	1	3
Norovirus <sup>1</sup>	Auckland, Bay of Plenty, Taranaki, Hawke's Bay, Nelson Marlborough, Canterbury, Southern	9	216
<i>Salmonella</i>	Waitemata	1	2
<i>Salmonella</i> Paratyphi <sup>2</sup>	Southern	1	3
Sapovirus	Bay of Plenty	1	10
<b>Total</b>		<b>21</b>	<b>284</b>

<sup>1</sup> Includes outbreak reported to PHSs prior to January 2017: norovirus (1) reported in December 2016.

<sup>2</sup> Includes outbreak with an overseas exposure transmission (India).



**Table 2. Summary of interim outbreaks created in EpiSurv during January 2017**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
Gastroenteritis <sup>1</sup>	Auckland, Waikato, Taranaki, Hutt Valley, Nelson Marlborough, Southern	16	39
Norovirus	Canterbury	1	3
Sapovirus	Nelson Marlborough	1	12
<i>Shigella</i>	Waitemata	1	4
<b>Total</b>		<b>19</b>	<b>58</b>

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

### 3. Deaths from notifiable diseases

Five deaths, where the primary cause of death was a notifiable disease, were reported in January 2017 (Table 3).

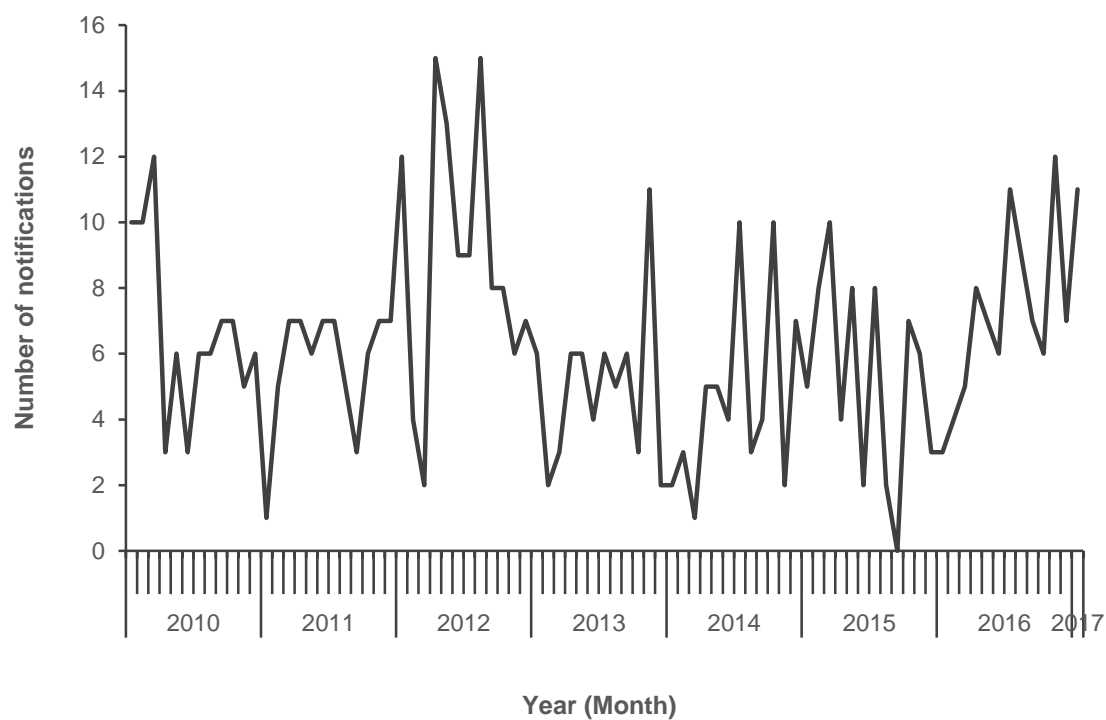
**Table 3. Summary of deaths from notifiable diseases reported during January 2017**

Disease	District health board	Age group (years)
Invasive pneumococcal disease	Auckland	70+
Invasive pneumococcal disease	Auckland	70+
Invasive pneumococcal disease	Waikato	70+
Invasive pneumococcal disease	Canterbury	70+
Meningococcal disease	Counties Manukau	<1

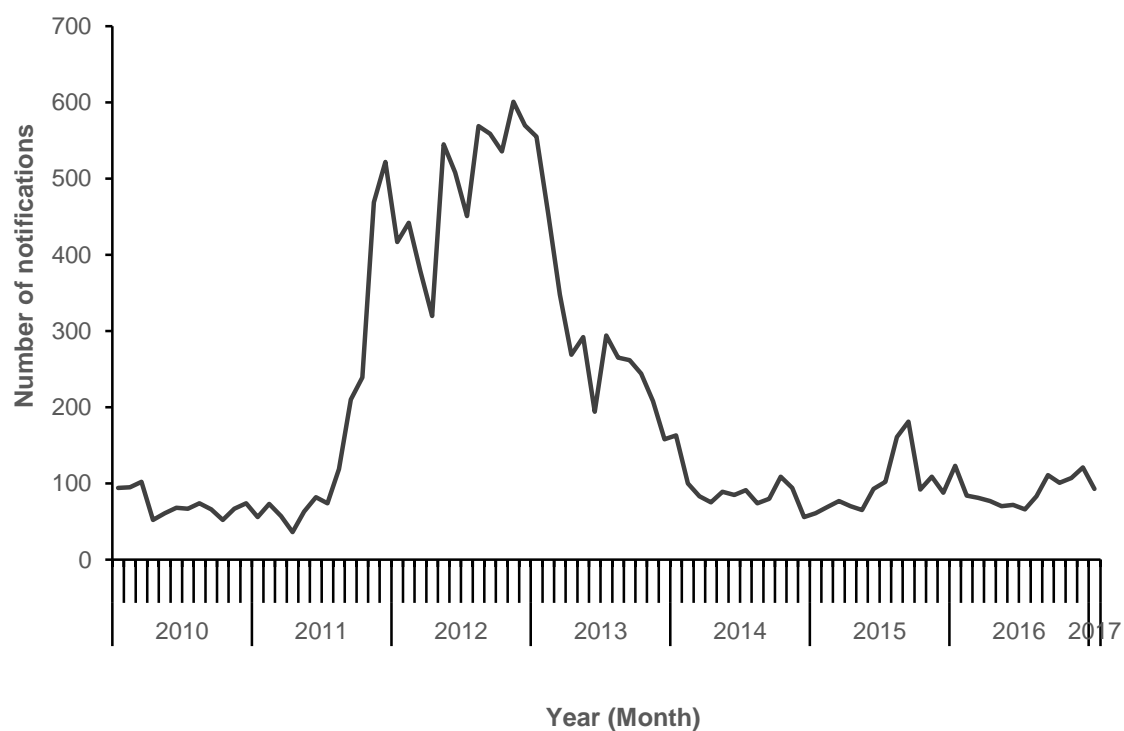


#### 4. Trends in selected diseases to January 2017

**Figure 1. Leptospirosis notifications by month, January 2010–January 2017**



**Figure 2. Pertussis notifications by month, January 2010–January 2017**





## 5. Data tables

### National Notifiable Disease Surveillance Data January 2017

Disease	Current Year - 2017 <sup>1</sup>			Previous Year - 2016		
	January 2017 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	January 2016 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	663	663	161	720	720	136.3
Cryptosporidiosis	49	49	23.3	41	41	15.2
Dengue fever	9	9	4	15	15	2.4
Gastroenteritis <sup>3</sup>	28	28	11	34	34	10.8
Giardiasis	114	114	34.8	133	133	33.1
Haemophilus influenzae type b	0	0	0	1	1	0.1
Hepatitis A	7	7	0.9	2	2	0.9
Hepatitis B <sup>4</sup>	5	5	0.8	0	0	0.7
Hepatitis C <sup>4</sup>	3	3	0.6	5	5	0.8
Invasive pneumococcal disease	35	35	10.6	23	23	9.8
Legionellosis	37	37	5.3	40	40	6.1
Leptospirosis	11	11	2.1	3	3	1.3
Listeriosis	1	1	0.8	3	3	0.6
Malaria	5	5	0.6	3	3	0.8
Measles	2	2	2.3	1	1	0.2
Meningococcal disease	5	5	1.6	6	6	1.4
Mumps	11	11	0.7	0	0	0.3
Paratyphoid fever	0	0	0.7	2	2	0.8
Pertussis	93	93	23.2	123	123	26.8
Rheumatic fever <sup>5</sup>	11	11	3	10	10	2.5
Rickettsial disease	0	0	0.1	2	2	0.2
Salmonellosis	110	110	23.7	112	112	22.3
Shigellosis	22	22	3.9	17	17	2.3
Tuberculosis disease	36	36	6.7	23	23	6.4
Typhoid fever	5	5	0.8	7	7	0.9
Viral Haemorrhagic Fever	0	0	0	1	1	0
VTEC/STEC infection	26	26	8.9	36	36	7.6
Yersiniosis	68	68	18.8	62	62	14

<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 January 2017) or the previous year (12 months up to and including January 2016), expressed as cases per 100,000. This includes cases still under investigation.

<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.

<sup>5</sup> Numbers are based on report date. This may not be a good indicator of newly incident cases as a high proportion of notifications have substantial reporting delays.

Other notifiable infectious disease reported in January: Brucellosis (1), Hepatitis NOS (1), Leprosy (1), Neurologic shellfish poisoning (1), Toxic shellfish poisoning (1).



# Notifiable Disease Surveillance Data by District Health Board January 2017

Cases <sup>1</sup> and current rate <sup>2</sup> for January 2017 by District Health Board <sup>3</sup>																				
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Wairarapa	Midcentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury
Campylobacteriosis	Cases	23	67	47	49	64	14	32	9	17	22	8	24	15	47	3	26	3	109	12
	Rate	166.4	126.5	104.3	94.7	144.6	120.2	113.3	166.7	195	821.8	156.5	170.8	132.6	138.8	162	121.5	171.3	152.3	237.2
Cryptosporidiosis	Cases	0	4	6	6	1	0	1	1	1	0	2	1	1	2	0	6	1	10	0
	Rate	61.8	24.3	20	18.8	31.2	18.1	7.2	21.1	38.8	15	33.5	32	9.7	19.9	46.3	19.3	9.2	21.7	25.6
Dengue fever	Cases	0	2	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	2	0
	Rate	1.2	4.3	4.5	6.9	3.3	1	6.8	0	3.5	5.6	0	1.7	4.2	5.3	2.3	4.8	0	3	1.7
Gastroenteritis	Cases	0	2	1	1	1	2	2	0	0	0	0	1	3	5	0	0	0	6	2
	Rate	8.3	9.7	18.6	8.4	2	11.5	13.1	0	6	1.9	22.4	22.7	22.2	24.2	20.8	2.1	24.5	8.6	5.1
Giardiasis	Cases	4	8	12	20	11	4	7	6	4	4	1	3	5	7	0	3	0	6	2
	Rate	35.7	33.2	34.9	35.5	33.8	45.8	33	158.2	35.4	43	27.2	22.7	25.7	42.5	25.5	33.8	21.4	30.6	29
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	0	0	0.2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis A	Cases	0	0	0	4	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0
	Rate	0.6	1.2	1.2	1.5	0.3	0	0	0	0.9	0	0	0	0.7	2	0	2.8	3.1	0.4	0
Hepatitis B	Cases	0	0	1	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.3	1.8	1.5	1	0	0.5	0	2.6	0.6	0	0	0	1	2.3	0	0	0.8	0
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0
	Rate	0.6	0	0	0	0	1	0	0	2.6	1.2	0	0	2.1	0.3	2.3	2.1	0	1.5	1.3
Invasive pneumococcal	Cases	2	1	4	6	6	0	5	2	0	1	2	1	1	1	0	1	1	1	0
	Rate	19.6	9.9	11.2	16.5	9	20	16.3	16.9	1.7	8.1	11.2	4.1	6.9	8.3	6.9	6.9	3.1	8.2	18.8
Legionellosis	Cases	4	7	4	5	2	0	1	0	0	1	0	1	1	0	0	1	0	9	1
	Rate	13.1	5.4	5.5	4.8	4.1	1.9	9	0	1.7	2.5	1.6	2.3	4.9	2	4.6	8.3	9.2	8.4	4.1
Leptospirosis	Cases	0	0	0	0	4	1	0	0	1	2	1	0	0	0	1	0	1	0	0
	Rate	8.9	0.5	0.2	1	6.4	1	2.3	2.1	5.2	9.3	4.8	2.3	0	0.3	2.3	2.1	6.1	0.2	1.6
Listeriosis	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	0.5	0.8	0.8	0.8	0	2.3	2.1	0	1.2	0	0	2.1	0.7	0	2.1	0	0.6	0
Malaria	Cases	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	1
	Rate	1.2	0.9	1.8	0	0.8	0	1.4	0	0	0.6	0	0	0	0	2.3	0.7	0	0.4	0
Measles	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	Rate	3.6	0.3	0.6	1	14.3	0	0	0	0	0	0	12.2	0.7	1.7	2.3	2.1	0	0	0
Meningococcal disease	Cases	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.2	1	1.2	2.3	1.8	1	3.2	0	0	1.2	0	1.2	0	2	2.3	0.7	0	0.6	5.7
Mumps	Cases	1	5	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0
	Rate	0.6	2.1	0.6	1	0	2.9	0	0	0	0.6	0	0	0.7	0.7	0	0	3.1	0.2	0
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	0.3	1.8	0.8	0	0	0.5	0	0.9	1.2	0	0	0.7	0.7	2.3	0	0	1	0
Pertussis	Cases	0	9	4	2	7	6	3	2	10	0	0	4	6	5	0	1	0	20	0
	Rate	4.8	15.1	10	8.4	31	45.8	23	6.3	82	8.1	16	16.9	15.3	35.9	0	26.9	6.1	49.4	22.3
Q fever	Cases	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
Rheumatic fever <sup>4</sup>	Cases	1	4	1	2	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0
	Rate	3	3.5	4.7	8.4	1.3	4.8	4.1	2.1	0.9	5	0	2.3	2.1	2.3	0	0	0	0.6	0
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0	0.2	0	0.2	0.5	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
	Rate	0	0.2	0	0	0	0	0.5	0	0	0	0	0	0	0	0	0	0	0.2	0
Salmonellosis	Cases	5	11	12	9	8	3	4	2	2	2	2	5	2	7	2	3	0	22	1
	Rate	24.4	18.6	20	14.2	30	23.9	19.4	94.9	21.6	24.3	20.8	28.5	20.1	20.6	25.5	21.4	21.4	27.8	34.1
Shigellosis	Cases	0	1	3	6	1	0	1	0	0	0	0	1	1	3	0	0	0	3	0
	Rate	2.4	6.8	6.3	6.7	4.1	0	4.1	8.4	0	1.2	1.6	0.6	3.5	3.7	0	1.4	0	2.1	2.5
Tuberculosis disease	Cases	1	5	7	7	1	0	0	0	1	2	0	0	2	3	0	1	0	6	0
	Rate	1.2	6.6	12.4	12.1	6.1	4.8	4.1	2.1	3.5	9.3	3.2	3.5	4.2	7.3	6.9	4.1	3.1	6.3	2.2
Typhoid fever	Cases	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0
	Rate	0	0.5	2.2	2.1	0.3	1	0.9	0	0	0	1.6	0.6	0.7	0.3	0	0.7	0	0.2	0
Viral Haemorrhagic Fever	Cases	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
VTEC/STEC infection	Cases	1	1	2	5	2	1	1	0	2	0	1	0	0	0	0	1	0	1	1
	Rate	27.3	14.1	8.4	12.5	10.5	6.7	8.1	0	13.8	5.6	8	2.3	2.8	0.7	2.3	5.5	3.1	2.9	13.7
Yersiniosis	Cases	2	8	5	4	4	2	5	2	0	2	0	0	3	7	1	1	2	15	3
	Rate	17.2	18.6	19.6	10	13.8	23.9	23.9	16.9	6	12.5	8	7.6	20.8	29.2	11.6	6.2	24.5	35.2	27.3

<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 January 2017 expressed as cases per 100,000. This includes cases still under investigation.

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

<sup>4</sup>Rates are based on report date. This may not be a good indicator of newly incident cases as a high proportion of notifications have substantial reporting delays.



# Notifiable Disease Surveillance Data by District Health Board January 2017

		Cases <sup>1</sup> and current rate <sup>2</sup> for January 2017 by District Health Board <sup>3</sup>																				
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāhiti	Tairānaki	Hawke's Bay	Wairarapa	Midcentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern	
Campylobacteriosis	Cases	23	67	47	49	64	14	32	9	17	22	8	24	15	47	3	26	3	109	12	72	
	Rate	166.4	126.5	104.3	94.7	144.6	120.2	113.3	166.7	195.0	821.8	156.5	170.8	132.6	138.8	162.0	121.5	171.3	152.3	237.2	183.8	
Cryptosporidiosis	Cases	0	4	6	6	1	0	1	1	1	0	2	1	1	2	0	6	1	10	0	6	
	Rate	61.8	24.3	20.0	18.8	31.2	18.1	7.2	21.1	38.8	15.0	33.5	32.0	9.7	19.9	46.3	19.3	9.2	21.7	25.6	20.4	
Dengue fever	Cases	0	2	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	2	0	0	
	Rate	1.2	4.3	4.5	6.9	3.3	1.0	6.8	0.0	3.5	5.6	0.0	1.7	4.2	5.3	2.3	4.8	0.0	3.0	1.7	2.9	
Gastroenteritis	Cases	0	2	1	1	1	2	2	0	0	0	0	1	3	5	0	0	0	6	2	2	
	Rate	8.3	9.7	18.6	8.4	2.0	11.5	13.1	0.0	6.0	1.9	22.4	22.7	22.2	24.2	20.8	2.1	24.5	8.6	3.4	5.1	
Giardiasis	Cases	4	8	12	20	11	4	7	6	4	4	1	3	5	7	0	3	0	6	2	7	
	Rate	35.7	33.2	34.9	35.5	33.8	45.8	33.0	158.2	35.4	43.0	27.2	22.7	25.7	42.5	25.5	33.8	21.4	30.6	29.0	27.7	
Haemophilus influenzae type b	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	0.2	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	
Hepatitis A	Cases	0	0	0	4	1	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	
	Rate	0.6	1.2	1.2	1.5	0.3	0.0	0.0	0.0	0.9	0.0	0.0	0.0	0.7	2.0	0.0	2.8	3.1	0.4	0.0	0.6	
Hepatitis B	Cases	0	0	1	2	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	0.3	1.8	1.5	1.0	0.0	0.5	0.0	2.6	0.6	0.0	0.0	0.0	1.0	2.3	0.0	0.0	0.8	0.0	0.6	
Hepatitis C	Cases	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	1	
	Rate	0.6	0.0	0.0	0.0	0.0	1.0	0.0	0.0	2.6	1.2	0.0	0.0	2.1	0.3	2.3	2.1	0.0	1.5	1.7	1.3	
Invasive pneumococcal disease	Cases	2	1	4	6	6	0	5	2	0	1	2	1	1	1	0	1	1	1	0	0	
	Rate	19.6	9.9	11.2	16.5	9.0	20.0	16.3	16.9	1.7	8.1	11.2	4.1	6.9	8.3	6.9	6.9	3.1	8.2	18.8	7.6	
Legionellosis	Cases	4	7	4	5	2	0	1	0	0	1	0	1	1	0	0	1	0	9	1	0	
	Rate	13.1	5.4	5.5	4.8	4.1	1.9	9.0	0.0	1.7	2.5	1.6	2.3	4.9	2.0	4.6	8.3	9.2	8.4	5.1	4.1	
Leptospirosis	Cases	0	0	0	0	4	1	0	0	1	2	1	0	0	0	0	1	0	1	0	0	
	Rate	8.9	0.5	0.2	1.0	6.4	1.0	2.3	2.1	5.2	9.3	4.8	2.3	0.0	0.3	2.3	2.1	6.1	0.2	0.0	1.6	
Listeriosis	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.5	0.8	0.8	0.8	0.0	2.3	2.1	0.0	1.2	0.0	0.0	2.1	0.7	0.0	2.1	0.0	0.6	0.0	0.6	
Malaria	Cases	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	0	0	1	
	Rate	1.2	0.9	1.8	0.0	0.8	0.0	1.4	0.0	0.0	0.6	0.0	0.0	0.0	0.0	2.3	0.7	0.0	0.4	0.0	0.3	
Measles	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
	Rate	3.6	0.3	0.6	1.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	12.2	0.7	1.7	2.3	2.1	0.0	0.0	0.0	0.3	
Meningococcal disease	Cases	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	1.2	1.0	1.2	2.3	1.8	1.0	3.2	0.0	0.0	1.2	0.0	1.2	0.0	2.0	2.3	0.7	0.0	0.6	0.0	5.7	
Mumps	Cases	1	5	1	1	0	1	0	0	0	0	0	0	1	0	0	0	0	1	0	0	
	Rate	0.6	2.1	0.6	1.0	0.0	2.9	0.0	0.0	0.0	0.6	0.0	0.0	0.7	0.7	0.0	0.0	3.1	0.2	0.0	0.3	
Paratyphoid 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	0.3	1.8	0.8	0.0	0.0	0.5	0.0	0.9	1.2	0.0	0.0	0.7	0.7	2.3	0.0	0.0	1.0	0.0	0.6	
Pertussis	Cases	0	9	4	2	7	6	3	2	10	0	0	4	6	5	0	1	0	20	0	14	
	Rate	4.8	15.1	10.0	8.4	31.0	45.8	23.0	6.3	82.0	8.1	16.0	16.9	15.3	35.9	0.0	26.9	6.1	49.4	11.9	22.3	
Q 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	
Rheumatic fever <sup>4</sup>	Cases	1	4	1	2	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	
	Rate	3.0	3.5	4.7	8.4	1.3	4.8	4.1	2.1	0.9	5.0	0.0	2.3	2.1	2.3	0.0	0.0	0.0	0.6	0.0	0.0	
Rickettsial disease	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.2	0.0	0.2	0.5	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	
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	0.2	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	
Salmonellosis	Cases	5	11	12	9	8	3	4	2	2	2	2	5	2	7	2	3	0	22	1	8	
	Rate	24.4	18.6	20.0	14.2	30.0	23.9	19.4	94.9	21.6	24.3	20.8	28.5	20.1	20.6	25.5	21.4	21.4	27.8	34.1	34.4	
Shigellosis	Cases	0	1	3	6	1	0	1	0	0	0	0	1	1	3	0	0	0	3	0	2	
	Rate	2.4	6.8	6.3	6.7	4.1	0.0	4.1	8.4	0.0	1.2	1.6	0.6	3.5	3.7	0.0	1.4	0.0	2.1	0.0	2.5	
Tuberculosis disease	Cases	1	5	7	7	1	0	0	0	1	2	0	0	2	3	0	1	0	6	0	0	
	Rate	1.2	6.6	12.4	12.1	6.1	4.8	4.1	2.1	3.5	9.3	3.2	3.5	4.2	7.3	6.9	4.1	3.1	6.3	3.4	2.2	
Typhoid fever	Cases	0	0	0	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	
	Rate	0.0	0.5	2.2	2.1	0.3	1.0	0.9	0.0	0.0	0.0	1.6	0.6	0.7	0.3	0.0	0.7	0.0	0.2	0.0	0.3	
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	1	1	2	5	2	1	1	0	2	0	1	0	0	0	0	1	0	1	1	7	
	Rate	27.3	14.1	8.4	12.5	10.5	6.7	8.1	0.0	13.8	5.6	8.0	2.3	2.8	0.7	2.3	5.5	3.1	2.9	13.7	12.1	
Yersiniosis	Cases	2	8	5	4	4	2	5	2	0	2	0	0	3	7	1	1	2	15	3	2	
	Rate	17.2	18.6	19.6	10.0	13.8	23.9	23.9	16.9	6.0	12.5	8.0	7.6	20.8	29.2	11.6	6.2	24.5	35.2	27.3	16.9	

<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 January 2017 expressed as cases per 100 000. This includes cases still under investigation.

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

<sup>4</sup>Rates are based on report date. This may not be a good indicator of newly incident cases as a high proportion of notifications have substantial reporting delays.



# National Notifiable Disease Surveillance Data January 2017

Disease	Current Year - 2017 <sup>1</sup>			Previous Year - 2016		
	January 2017 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	January 2016 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	663	663	161.0	720	720	136.3
Cryptosporidiosis	49	49	23.3	41	41	15.2
Dengue fever	9	9	4.0	15	15	2.4
Gastroenteritis <sup>3</sup>	28	28	11.0	34	34	10.8
Giardiasis	114	114	34.8	133	133	33.1
Haemophilus influenzae type b	0	0	0.0	1	1	0.1
Hepatitis A	7	7	0.9	2	2	0.9
Hepatitis B <sup>4</sup>	5	5	0.8	0	0	0.7
Hepatitis C <sup>4</sup>	3	3	0.6	5	5	0.8
Invasive pneumococcal disease	35	35	10.6	23	23	9.8
Legionellosis	37	37	5.3	40	40	6.1
Leptospirosis	11	11	2.1	3	3	1.3
Listeriosis	1	1	0.8	3	3	0.6
Malaria	5	5	0.6	3	3	0.8
Measles	2	2	2.3	1	1	0.2
Meningococcal disease	5	5	1.6	6	6	1.4
Mumps	11	11	0.7	0	0	0.3
Paratyphoid fever	0	0	0.7	2	2	0.8
Pertussis	93	93	23.2	123	123	26.8
Rheumatic fever <sup>5</sup>	11	11	3.0	10	10	2.5
Rickettsial disease	0	0	0.1	2	2	0.2
Salmonellosis	110	110	23.7	112	112	22.3
Shigellosis	22	22	3.9	17	17	2.3
Tuberculosis disease	36	36	6.7	23	23	6.4
Typhoid fever	5	5	0.8	7	7	0.9
Viral Haemorrhagic Fever	0	0	0.0	1	1	0.0
VTEC/STEC infection	26	26	8.9	36	36	7.6
Yersiniosis	68	68	18.8	62	62	14.0

<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 January 2017) or the previous year (12 months up to and including January 2016), expressed as cases per 100 000. This includes cases still under investigation.

<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.

<sup>5</sup> Numbers are based on report date. This may not be a good indicator of newly incident cases as a high proportion of notifications have substantial reporting delays.

Other notifiable infectious disease reported in January: Brucellosis (1) , Hepatitis NOS (1) , Leprosy (1) , Neurologic shellfish poisoning (1) , Toxic shellfish poisoning (1)



# National Notifiable Disease Surveillance Data – Monthly totals for January 2017 and preceding 11 Months<sup>1</sup>

Disease	Jan 2017	Dec 2016	Nov 2016	Oct 2016	Sep 2016	Aug 2016	Jul 2016	Jun 2016	May 2016	Apr 2016	Mar 2016	Feb 2016
Campylobacteriosis	663	795	1103	855	572	1108	342	334	391	364	418	454
Cryptosporidiosis	49	48	95	202	213	129	51	48	77	65	51	42
Dengue fever	9	6	13	10	12	12	14	21	19	8	21	41
Gastroenteritis <sup>2</sup>	28	26	38	34	53	62	53	43	34	43	50	41
Giardiasis	114	102	130	142	128	129	96	121	129	144	182	181
Haemophilus influenzae type b	0	0	0	0	0	1	0	0	0	0	0	0
Hepatitis A	7	4	3	2	3	1	5	1	7	1	4	2
Hepatitis B <sup>3</sup>	5	4	5	3	4	1	5	1	3	3	1	4
Hepatitis C <sup>3</sup>	3	2	3	1	2	3	2	0	2	3	4	3
Invasive pneumococcal disease	35	34	41	41	69	50	60	47	45	28	24	13
Legionellosis	37	21	30	14	22	13	7	15	18	23	23	21
Leptospirosis	11	8	13	7	7	9	11	6	8	8	5	4
Listeriosis	1	3	4	2	1	3	1	3	4	5	6	2
Malaria	5	1	0	2	0	3	2	3	4	1	3	4
Measles	2	0	0	1	1	3	5	32	41	14	0	5
Meningococcal disease	5	4	12	6	7	12	10	4	8	2	3	1
Mumps	11	8	1	5	3	1	0	0	0	1	1	0
Paratyphoid fever	0	1	1	4	1	4	1	3	1	5	5	4
Pertussis	93	121	107	101	111	83	66	72	70	77	81	84
Rheumatic fever <sup>4</sup>	11	3	4	9	15	16	11	15	22	14	9	9
Rickettsial disease	0	0	0	1	0	0	0	1	1	1	0	0
Rubella	0	0	0	0	0	0	0	0	1	0	1	1
Salmonellosis	110	71	81	91	92	99	57	66	81	107	102	133
Shigellosis	22	21	18	15	17	21	8	12	10	11	9	15
Tuberculosis disease	36	32	33	25	22	12	20	27	28	26	22	27
Typhoid fever	5	1	3	3	1	2	1	4	2	5	4	5
VTEC/STEC infection	26	17	32	38	23	23	19	15	34	53	55	75
Yersiniosis	68	69	113	110	80	79	60	54	68	77	46	39

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

<sup>2</sup> Cases of gastroenteritis from a common source or foodborne intoxication.

<sup>3</sup> Only acute cases of this disease are currently notifiable.

<sup>4</sup> Numbers are based on report date. This may not be a good indicator of newly incident cases as a high proportion of notifications have substantial reporting delays.