

## 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 6 September 2011. 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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### • Key notifiable disease trends

- *Brucellosis*: One case of brucellosis (male aged 40-49 years) was notified in August 2011 from Tairāwhiti DHB. However, upon further investigation this case was found not to be a case.
- *Hydatid disease*: Two laboratory confirmed cases of hydatid disease were notified in August 2011. Both cases were males in the 70+ years age group from Counties Manukau and Auckland DHBs. One case was a visitor from India and the other case was most likely a past infection.
- *Leprosy*: One probable case of leprosy was notified in August 2011. The case was a Fijian Indian female in the 70+ years age group. The case had been in Fiji during the incubation period.
- *Leptospirosis*: 11 cases of leptospirosis (4 confirmed, 1 probable and 6 under investigation) were notified in August 2011 compared to six cases notified in the same month of the previous year. The cases were reported from Counties Manukau, Waikato, Hawke's Bay, Whanganui, and Canterbury DHBs (2 cases each) and Auckland DHB (1 case). Occupation was recorded in six cases: farmer (3 cases), freezing worker (2 cases), and cleaner (1 case). Four cases had reported having contact with farm animals prior to becoming ill. The leptospira serovar was available for two of the 11 notified cases, *L. Ballum* was identified in both cases.
- *Measles*: 44 cases of measles were notified in August 2011 (34 confirmed, 1 probable and 9 under investigation), compared to 62 cases notified in the previous month and six cases in the same month of the previous year (Figure 1). The remainder of this section relates to the 34 confirmed cases only. The cases were reported in Waitemata (13), Waikato (12), Auckland (5), and Counties Manukau (4) DHBs. Cases were distributed as follows: less than 1 year (1), 1-4 years (7), 5-9 years (6), 10-14 years (8), 15-19 years (8), 20-29 years (1), 30-39 years (2) and 40-49 years (1) age groups. Two hospitalisations were reported in the 1-4 years (1) and 30-39 years (1) age groups. 22 of the 26 cases for whom immunisation information was available had not been immunised. Of the four immunised cases, three had received one dose of vaccine (including two cases aged less than 4 years and therefore only eligible for one dose of vaccine) and the remaining case had received two doses of vaccine.
- *Meningococcal disease*: 24 cases of invasive meningococcal disease were notified during August 2011 (20 were laboratory confirmed), compared to 14 cases notified in the previous month and 12 during the same month last year. Cases were distributed by DHB as follows: Counties Manukau (5), Northland and Waikato (4 cases each), Canterbury (3), Auckland and Southern (two cases each),

Hawke's Bay, Lakes, Midcentral and Nelson Marlborough (one case each). The highest numbers of cases were in the less than 1 years (6), 1-4 years (5), and 40-49 years (4) age groups. The cases were of European (10), Māori (8), Pacific Peoples (4), and Asian (1) ethnicities; ethnicity was unknown for the remaining case. Of the 20 laboratory confirmed cases the strain type was determined for 18 cases: C (9), epidemic strain (6), and B other (i.e. non-epidemic strain) (3).

- *Mumps*: Eight cases of mumps were notified in August 2011 (3 confirmed, 2 probable, and 3 under investigation), compared to one case notified in the same month during 2010. The remainder of this section relates to the five confirmed or probable cases only. The cases were reported in Northland (2 cases), Waitemata, Auckland, and Counties Manukau (1 case each) DHBs. The age distribution of the cases was as follows: less than 1 year (1), 1-4 years (2), 20-29 years (1), and 30-39 years (1) age groups. Immunisation information was recorded for three cases. Of these, one case was fully immunised, one had received one dose of vaccine, and one was not immunised. The immunisation status of the remaining two cases was unknown.
- *Rickettsial disease*: One case of Q fever was notified in August 2011. The case was a male aged 40-49 years notified from Bay of Plenty DHB. The case was believed to be exposed while working in Australia. The case is still under investigation but likely to be made not a case.
- *Taeniasis*: Three cases of taeniasis were notified in August 2011 (2 confirmed and 1 probable). Both confirmed cases (a female aged 10-14 years, and a male aged 20-29 years) were reported from Capital and Coast DHB and were in Ethiopia during the incubation period. The probable case (a male aged 40-49 years) was reported from Waikato DHB and had been in South Africa during the incubation period.
- *Yersiniosis*: 88 yersiniosis cases were notified in August 2011, compared to 48 cases notified in the preceding month and 32 in August 2010. The highest numbers of cases were reported in Waikato (27), Waitemata (11), Auckland (9), Counties Manukau, Canterbury (7 cases each), and Lakes (6) DHBs. The cases were aged from 8 months to 84 years with the highest number of cases in the 50-59 years (15), 1-4 years and 40-49 years (12 cases each) age groups. Four cases were hospitalised. Biotyping results were available for 56 (63.6%) of cases. The most commonly identified biotypes were: *Yersinia enterocolitica* Biotype 2 (39 cases), *Y. enterocolitica* Biotype 4 (12 cases) and *Y. enterocolitica* Biotype 1A (4 cases). Among the cases for which risk factor information was recorded, 44.8% (13/29) had contact with farm animals, 13.3% (4/30) had consumed untreated water during the incubation period, 12.5% (4/32) had contact with faecal matter, and 3.6% (1/28) had contact with a sick animal.

- **Outbreaks**

Finalised outbreak reports: 15 outbreak reports were created and finalised in EpiSurv during August 2011 (Table 1).

**Table 1: Summary of final outbreaks created in EpiSurv during August 2011**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i> <sup>1</sup>	Capital and Coast, West Coast	2	4
Gastroenteritis	Auckland, Bay of Plenty, Hawke's Bay, Canterbury	8	71
<i>Giardia</i> <sup>2</sup>	Waitemata	2	5
Norovirus	Canterbury, South Canterbury	3	23
<b>Total</b>		<b>15</b>	<b>103</b>

<sup>1</sup>Includes one outbreak reported to PHSs prior to August 2011: *B. pertussis* reported in July 2011.

<sup>2</sup>One *Giardia* outbreak reported in Waitemata DHB had an overseas exposure location (Fiji).

Interim outbreak reports: 47 interim outbreaks were created in EpiSurv during August 2011 (Table 2). The status of the outbreak and cases involved are subject to change, as more data becomes available.

**Table 2: Summary of interim outbreaks created in EpiSurv during August 2011**

Organism/Toxin/Illness	DHB(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	West Coast	1	3
<i>Campylobacter</i>	Waikato	1	3
<i>Cryptosporidium</i>	Waikato	2	-
Gastroenteritis	Northland, Waitemata, Auckland, Counties Manukau, Hawke's Bay, MidCentral, Hutt Valley, Capital and Coast, Southern	31	43
<i>Giardia</i>	Waikato	1	2
Influenza-like illness	Capital and Coast	1	-
Measles virus <sup>1</sup>	Waikato	2	-
<i>Mycobacterium tuberculosis</i>	Auckland, Hutt Valley, Capital and Coast	1	7
Norovirus <sup>1</sup>	Northland, Counties Manukau, Capital and Coast	4	10
Salmonella Typhi	Auckland	1	2
Yersinia	Auckland	2	-
<b>Total</b>		<b>47</b>	<b>70</b>

<sup>1</sup>Includes outbreaks reported to PHSs prior to August 2011: Measles virus (1) and norovirus (1) both reported to PHS in July 2011.

- **Deaths from notifiable diseases**

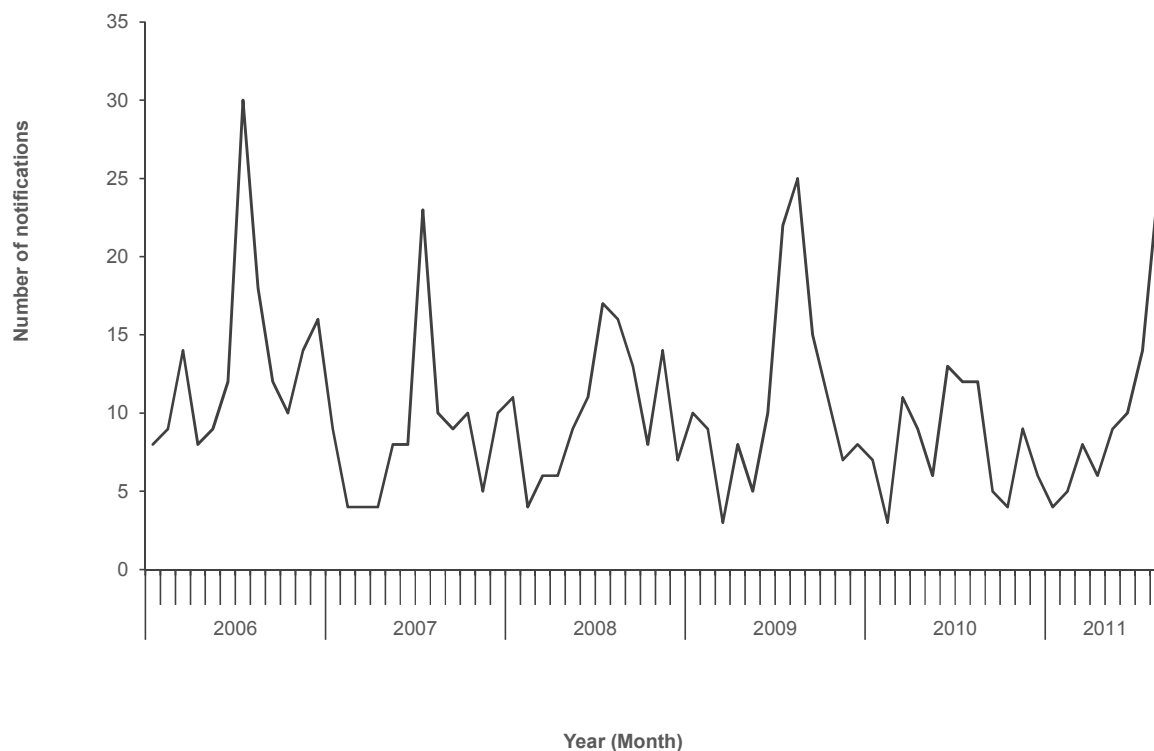
Ten deaths were reported in August 2011, five from meningococcal disease, four from invasive pneumococcal disease, and one from tuberculosis disease (Table 3).

**Table 3: Summary of deaths from notifiable diseases reported during August 2011**

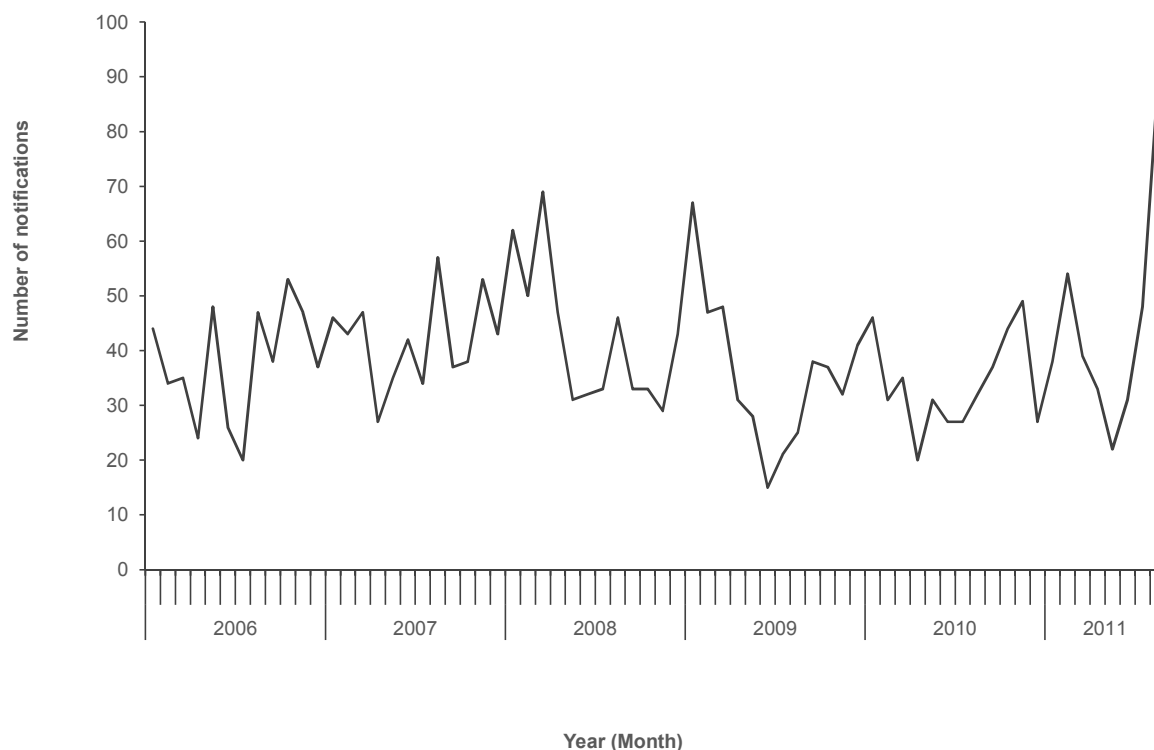
<b>Disease</b>	<b>District Health Board</b>	<b>Age group (years)</b>
Invasive pneumococcal disease	Waikato	50-59 years
Invasive pneumococcal disease	Lakes	70+ years
Invasive pneumococcal disease	Hawke's Bay	70+ years (2 deaths)
Meningococcal disease	Northland	1-4 years
Meningococcal disease	Northland	15-19 years
Meningococcal disease	Counties Manukau	60-69 years
Meningococcal disease	Waikato	1-4 years
Meningococcal disease	MidCentral	<1 year
Tuberculosis disease-new case	Auckland	60-69 years

- Trends in selected diseases to August 2011

**Figure 1: Meningococcal notifications by month, January 2006 – August 2011**



**Figure 2: Yersiniosis notifications by month, January 2006 – August 2011**



- Data tables

Disease	Current Year - 2011 <sup>1</sup>			Previous Year - 2010		
	August 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	August 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	570	3857	151.1	630	4602	175.5
Cryptosporidiosis	56	239	15.6	60	510	22.1
Dengue fever	5	30	1.2	4	28	1.0
Gastroenteritis <sup>3</sup>	48	411	13.9	35	294	13.9
Giardiasis	170	1395	45.6	139	1389	43.5
Haemophilus influenzae type b	3	10	0.3	0	6	0.3
Hepatitis A	2	16	0.6	2	34	1.1
Hepatitis B <sup>4</sup>	8	49	1.5	2	33	1.1
Hepatitis C <sup>4</sup>	2	15	0.5	3	9	0.4
Invasive pneumococcal disease	79	359	11.8	74	377	14.2
Lead absorption	14	161	5.5	15	152	5.8
Legionellosis	38	140	5.2	10	85	2.6
Leptospirosis	11	61	1.9	6	56	2.0
Listeriosis	0	18	0.5	1	20	0.7
Malaria	3	34	1.0	6	36	1.1
Measles	44	212	5.0	6	43	2.2
Meningococcal disease	24	79	2.4	12	73	2.6
Mumps	8	47	1.3	1	31	1.3
Paratyphoid fever	0	9	0.3	1	15	0.5
Pertussis	119	564	18.8	74	613	26.2
Rheumatic fever	25	111	3.8	11	114	3.3
Rickettsial disease	1	6	0.2	2	12	0.3
Rubella	10	20	0.5	1	2	0.0
Salmonellosis	74	768	27.0	96	733	24.0
Shigellosis	10	65	1.8	9	90	2.7
Tuberculosis disease	34	231	7.6	16	201	6.7
Typhoid fever	4	32	0.8	3	26	0.7
VTEC/STEC infection	12	132	3.8	18	105	3.4
Yersiniosis	88	351	11.6	32	249	9.1

<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 August 2011) or the

<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 August: Brucellosis (1), Hepatitis NOS (1), Hydatid disease (2), Leprosy (1), Taeniasis (3)

		Cases <sup>1</sup> and current rate <sup>2</sup> for August 2011 by District Health Board <sup>3</sup>																			
Disease		Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāhiti	Taranaki	Hawke's Bay	Wairarapa	Midcentral	Hutt Valley	Capital and Coast	Wairarapa	Nelson Marlborough	West Coast	Canterbury	South Canterbury	Southern
Campylobacteriosis	Cases	19	59	43	30	54	7	24	5	23	28	7	26	26	75	9	11	5	78	8	33
	Rate	121.4	129.8	118.4	93.1	179.2	157.9	138.5	86.0	173.0	201.6	101.3	142.3	172.5	185.0	163.9	155.0	161.9	181.4	214.8	201.5
Cryptosporidiosis	Cases	0	3	0	9	25	1	1	0	1	1	1	2	1	2	1	3	0	3	0	2
	Rate	24.8	7.3	6.9	6.5	42.0	14.6	8.1	12.9	27.5	21.3	7.9	11.4	14.6	10.3	19.9	10.1	15.3	17.1	77.0	18.5
Dengue fever	Cases	0	0	2	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	1.3	1.3	2.4	1.2	1.6	1.9	1.0	0.0	0.9	0.0	0.0	0.6	0.0	2.1	0.0	0.0	0.0	0.4	1.8	1.6
Gastroenteritis	Cases	0	8	6	3	2	0	1	2	0	1	2	12	1	5	0	0	0	4	0	1
	Rate	1.3	12.1	13.3	8.4	5.8	8.8	6.2	6.5	11.0	0.6	25.3	45.4	27.1	30.9	9.9	5.8	36.7	23.2	7.2	4.6
Giardiasis	Cases	8	19	23	13	13	7	3	0	2	8	0	4	7	24	0	9	2	12	3	13
	Rate	40.0	38.7	64.2	43.4	49.9	51.7	50.5	15.1	21.1	54.1	6.3	16.7	53.5	70.0	17.4	36.9	42.8	40.7	57.3	45.8
Haemophilus influenzae type b	Cases	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.2	0.2	0.4	0.0	0.0	1.0	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis A	Cases	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.6	0.9	1.0	0.8	0.0	0.0	4.3	0.0	1.9	1.6	0.0	0.0	1.0	0.0	0.7	0.0	0.6	0.0	0.0
Hepatitis B	Cases	0	1	1	2	0	0	2	0	0	0	0	1	0	0	0	0	0	1	0	0
	Rate	1.3	1.1	2.2	1.4	0.5	5.8	2.4	17.2	0.0	1.3	1.6	0.6	2.1	0.0	0.0	0.7	0.0	1.8	1.8	1.0
Hepatitis C	Cases	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.7	0.2	0.3	0.0	0.0	0.0	0.0	1.3	0.0	1.2	0.7	0.3	0.0	0.0	0.0	1.2	1.8	1.0
Invasive pneumococcal	Cases	3	7	5	12	3	4	6	1	2	5	0	3	3	4	2	2	0	12	1	4
	Rate	11.4	9.5	10.2	14.9	13.7	22.4	13.8	8.6	10.1	16.1	14.2	9.6	13.9	4.8	12.4	10.1	0.0	12.0	12.5	13.5
Lead absorption	Cases	0	0	2	3	1	0	0	1	0	0	0	1	0	1	0	3	0	2	0	0
	Rate	1.9	6.5	10.0	6.7	3.3	0.0	1.4	4.3	6.4	7.1	7.9	4.8	10.4	3.8	5.0	5.1	6.1	3.0	12.5	5.9
Legionellosis	Cases	5	19	5	5	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
	Rate	7.6	8.0	4.7	4.1	1.9	1.0	3.3	0.0	0.9	1.3	1.6	0.6	0.7	1.0	2.5	7.2	6.1	14.0	1.8	7.6
Leptospirosis	Cases	0	0	1	2	2	0	0	0	0	2	2	0	0	0	0	0	0	2	0	0
	Rate	4.4	0.4	0.4	1.2	1.4	0.0	2.4	8.6	1.8	9.0	17.4	3.6	0.0	0.0	2.5	2.2	9.2	1.6	5.4	1.0
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.4	0.8	0.5	1.0	1.0	0.0	0.9	0.0	1.6	0.0	2.1	0.3	0.0	0.0	0.0	0.4	0.0	0.0
Malaria	Cases	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.1	2.9	1.2	0.3	0.0	2.4	0.0	1.8	0.0	0.0	0.0	0.0	0.3	0.0	3.6	0.0	0.2	1.8	0.3
Measles	Cases	2	13	5	4	17	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0
	Rate	1.9	19.9	4.7	3.7	7.7	0.0	0.0	2.2	0.0	16.1	0.0	0.0	0.7	0.7	2.5	0.0	6.1	1.6	0.0	0.0
Meningococcal disease	Cases	4	0	2	5	4	1	0	0	0	1	0	1	0	0	0	1	0	3	0	2
	Rate	3.8	1.5	1.6	2.6	3.3	5.8	1.0	0.0	0.9	3.2	4.7	2.4	3.5	1.4	2.5	1.4	3.1	2.2	1.8	3.6
Mumps	Cases	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	1.9	1.3	2.4	1.0	0.5	0.0	1.4	0.0	0.9	1.3	0.0	0.6	0.7	0.7	0.0	7.2	0.0	1.2	1.8	0.7
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	0.0	1.1	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.0	0.0	0.0	3.1	0.0	0.0	0.0
Pertussis	Cases	2	5	7	1	7	1	1	1	0	26	1	2	4	9	0	15	12	16	3	6
	Rate	3.8	9.9	20.0	7.1	17.6	8.8	13.8	28.0	21.1	45.1	14.2	18.5	28.5	33.0	2.5	31.1	140.5	19.1	10.7	20.1
Rheumatic fever	Cases	2	0	5	2	4	0	3	0	0	1	2	3	0	3	0	0	0	0	0	0
	Rate	10.8	1.1	2.7	10.0	4.1	3.9	3.8	10.8	0.9	4.5	6.3	4.8	7.0	4.1	0.0	1.4	0.0	0.8	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.2	0.2	0.5	0.0	0.5	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	Rate	1.3	0.7	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.0	0.8	1.8	0.7
Salmonellosis	Cases	1	8	13	3	6	2	2	1	1	4	1	0	7	3	1	2	0	6	5	8
	Rate	21.0	19.9	25.5	13.7	28.5	21.4	15.7	36.6	20.1	25.8	20.6	17.9	25.0	22.3	34.8	35.5	24.4	32.5	66.2	67.3
Shigellosis	Cases	0	2	0	3	1	0	1	0	0	0	0	0	0	1	0	0	0	1	0	1
	Rate	0.0	4.5	3.8	3.5	1.1	1.0	1.4	0.0	0.0	0.6	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.8	0.0	1.3
Tuberculosis disease	Cases	0	5	7	3	3	0	1	0	0	0	0	6	2	2	0	1	0	2	0	2
	Rate	3.8	5.4	17.5	11.2	6.9	1.0	5.7	4.3	0.9	10.3	1.6	10.2	10.4	14.1	0.0	3.6	3.1	3.5	3.6	2.6
Typhoid fever	Cases	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.0	2.2	1.3	2.0	0.0	1.0	1.4	0.0	0.0	0.6	0.0	1.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
VTEC/STEC infection	Cases	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	0	7	0	1
	Rate	6.4	2.6	2.2	3.7	8.2	8.8	3.3	17.2	3.7	3.9	0.0	1.8	2.8	1.7	2.5	2.2	6.1	4.3	5.4	2.0
Yersiniosis	Cases	2	11	9	7	27	6	5	0	2	1	1	5	4	0	0	0	0	7	1	0
	Rate	3.8	14.3	12.2	9.4	23.1	14.6	9.0	12.9	18.3	6.4	7.9	6.0	16.0	15.1	7.4	5.8	18.3	9.6	14.3	4.6

<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 August 2011 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 August 2011

		Cases <sup>1</sup> and current rate <sup>2</sup> for August 2011 by District Health Board <sup>3</sup>																			
Disease		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
Campylobacteriosis	Cases	19	59	43	30	54	7	24	5	23	28	7	26	26	75	9	11	5	78	8	33
	Rate	121.4	129.8	118.4	93.1	179.2	157.9	138.5	86.0	173.0	201.6	101.3	142.3	172.5	185.0	163.9	155.0	161.9	181.4	214.8	201.5
Cryptosporidiosis	Cases	0	3	0	9	25	1	1	0	1	1	1	2	1	2	1	3	0	3	0	2
	Rate	24.8	7.3	6.9	6.5	42.0	14.6	8.1	12.9	27.5	21.3	7.9	11.4	14.6	10.3	19.9	10.1	15.3	17.1	77.0	18.5
Dengue fever	Cases	0	0	2	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	1.3	1.3	2.4	1.2	1.6	1.9	1.0	0.0	0.9	0.0	0.0	0.6	0.0	2.1	0.0	0.0	0.0	0.4	1.8	1.6
Gastroenteritis	Cases	0	8	6	3	2	0	1	2	0	1	2	12	1	5	0	0	0	4	0	1
	Rate	1.3	12.1	13.3	8.4	5.8	8.8	6.2	6.5	11.0	0.6	25.3	45.4	27.1	30.9	9.9	5.8	36.7	23.2	7.2	4.6
Giardiasis	Cases	8	19	23	13	13	7	3	0	2	8	0	4	7	24	0	9	2	12	3	13
	Rate	40.0	38.7	64.2	43.4	49.9	51.7	50.5	15.1	21.1	54.1	6.3	16.7	53.5	70.0	17.4	36.9	42.8	40.7	57.3	45.8
Haemophilus influenzae type b	Cases	0	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	0.2	0.2	0.4	0.0	0.0	1.0	0.0	1.8	1.3	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0
Hepatitis A	Cases	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.6	0.9	1.0	0.8	0.0	0.0	4.3	0.0	1.9	1.6	0.0	0.0	1.0	0.0	0.7	0.0	0.6	0.0	0.0
Hepatitis B	Cases	0	1	1	2	0	0	2	0	0	0	0	1	0	0	0	0	0	1	0	0
	Rate	1.3	1.1	2.2	1.4	0.5	5.8	2.4	17.2	0.0	1.3	1.6	0.6	2.1	0.0	0.0	0.7	0.0	1.8	1.8	1.0
Hepatitis C	Cases	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.7	0.2	0.3	0.0	0.0	0.0	0.0	1.3	0.0	1.2	0.7	0.3	0.0	0.0	0.0	1.2	1.8	1.0
Invasive pneumococcal disease	Cases	3	7	5	12	3	4	6	1	2	5	0	3	3	4	2	2	0	12	1	4
	Rate	11.4	9.5	10.2	14.9	13.7	22.4	13.8	8.6	10.1	16.1	14.2	9.6	13.9	4.8	12.4	10.1	0.0	12.0	12.5	13.5
Lead absorption	Cases	0	0	2	3	1	0	0	1	0	0	0	1	0	1	0	3	0	2	0	0
	Rate	1.9	6.5	10.0	6.7	3.3	0.0	1.4	4.3	6.4	7.1	7.9	4.8	10.4	3.8	5.0	5.1	6.1	3.0	12.5	5.9
Legionellosis	Cases	5	19	5	5	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	2
	Rate	7.6	8.0	4.7	4.1	1.9	1.0	3.3	0.0	0.9	1.3	1.6	0.6	0.7	1.0	2.5	7.2	6.1	14.0	1.8	7.6
Leptospirosis	Cases	0	0	1	2	2	0	0	0	0	2	2	0	0	0	0	0	0	2	0	0
	Rate	4.4	0.4	0.4	1.2	1.4	0.0	2.4	8.6	1.8	9.0	17.4	3.6	0.0	0.0	2.5	2.2	9.2	1.6	5.4	1.0
Listeriosis	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.4	0.8	0.5	1.0	1.0	0.0	0.9	0.0	1.6	0.0	2.1	0.3	0.0	0.0	0.0	0.4	0.0	0.0
Malaria	Cases	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.1	2.9	1.2	0.3	0.0	2.4	0.0	1.8	0.0	0.0	0.0	0.0	0.3	0.0	3.6	0.0	0.2	1.8	0.3
Measles	Cases	2	13	5	4	17	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0
	Rate	1.9	19.9	4.7	3.7	7.7	0.0	0.0	2.2	0.0	16.1	0.0	0.0	0.7	0.7	2.5	0.0	6.1	1.6	0.0	0.0
Meningococcal disease	Cases	4	0	2	5	4	1	0	0	0	1	0	1	0	0	0	1	0	3	0	2
	Rate	3.8	1.5	1.6	2.6	3.3	5.8	1.0	0.0	0.9	3.2	4.7	2.4	3.5	1.4	2.5	1.4	3.1	2.2	1.8	3.6
Mumps	Cases	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	1.9	1.3	2.4	1.0	0.5	0.0	1.4	0.0	0.9	1.3	0.0	0.6	0.7	0.7	0.0	7.2	0.0	1.2	1.8	0.7
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	0.0	1.1	0.0	0.0	2.9	0.0	0.0	0.0	0.0	0.0	0.6	0.0	1.0	0.0	0.0	3.1	0.0	0.0	0.0
Pertussis	Cases	2	5	7	1	7	1	1	1	0	26	1	2	4	9	0	15	12	16	3	6
	Rate	3.8	9.9	20.0	7.1	17.6	8.8	13.8	28.0	21.1	45.1	14.2	18.5	28.5	33.0	2.5	31.1	140.5	19.1	10.7	20.1
Rheumatic fever	Cases	2	0	5	2	4	0	3	0	0	1	2	3	0	3	0	0	0	0	0	0
	Rate	10.8	1.1	2.7	10.0	4.1	3.9	3.8	10.8	0.9	4.5	6.3	4.8	7.0	4.1	0.0	1.4	0.0	0.8	0.0	0.0
Rickettsial disease	Cases	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	0.4	0.2	0.2	0.5	0.0	0.5	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	1	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0
	Rate	1.3	0.7	1.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.0	0.0	0.0	0.8	1.8	0.7
Salmonellosis	Cases	1	8	13	3	6	2	2	1	1	4	1	0	7	3	1	2	0	6	5	8
	Rate	21.0	19.9	25.5	13.7	28.5	21.4	15.7	36.6	20.1	25.8	20.6	17.9	25.0	22.3	34.8	35.5	24.4	32.5	66.2	67.3
Shigellosis	Cases	0	2	0	3	1	0	1	0	0	0	0	0	0	1	0	0	0	1	0	1
	Rate	0.0	4.5	3.8	3.5	1.1	1.0	1.4	0.0	0.0	0.6	0.0	0.0	0.0	1.4	0.0	0.0	0.0	0.8	0.0	1.3
Tuberculosis disease	Cases	0	5	7	3	3	0	1	0	0	0	0	6	2	2	0	1	0	2	0	2
	Rate	3.8	5.4	17.5	11.2	6.9	1.0	5.7	4.3	0.9	10.3	1.6	10.2	10.4	14.1	0.0	3.6	3.1	3.5	3.6	2.6
Typhoid fever	Cases	0	2	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	0.0	2.2	1.3	2.0	0.0	1.0	1.4	0.0	0.0	0.6	0.0	1.2	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0
VTEC/STEC infection	Cases	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	1	0	7	0	1
	Rate	6.4	2.6	2.2	3.7	8.2	8.8	3.3	17.2	3.7	3.9	0.0	1.8	2.8	1.7	2.5	2.2	6.1	4.3	5.4	2.0
Yersiniosis	Cases	2	11	9	7	27	6	5	0	0	2	1	1	5	4	0	0	0	7	1	0
	Rate	3.8	14.3	12.2	9.4	23.1	14.6	9.0	12.9	18.3	6.4	7.9	6.0	16.0	15.1	7.4	5.8	18.3	9.6	14.3	4.6

<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 August 2011 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 August-2011 by District Health Board

	Cases for the 12 months ending August 2011 <sup>1 2</sup> by District Health Board																				
Disease	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	Southern
Campylobacteriosis	6601	191	697	533	457	653	162	291	40	189	313	64	238	248	539	66	214	53	922	120	611
Cryptosporidiosis	683	39	39	31	32	153	15	17	6	30	33	5	19	21	30	8	14	5	87	43	56
Dengue fever	52	2	7	11	6	6	2	2	0	1	0	0	1	0	6	0	0	0	2	1	5
Gastroenteritis	608	2	65	60	41	21	9	13	3	12	1	16	76	39	90	4	8	12	118	4	14
Giardiasis	1991	63	208	289	213	182	53	106	7	23	84	4	28	77	204	7	51	14	207	32	139
Haemophilus influenzae type b	12	1	1	1	2	0	0	2	0	2	2	0	0	0	1	0	0	0	0	0	0
Hepatitis A	28	0	3	4	5	3	0	0	2	0	3	1	0	0	3	0	1	0	3	0	0
Hepatitis B	67	2	6	10	7	2	6	5	8	0	2	1	1	3	0	0	1	0	9	1	3
Hepatitis C	23	0	2	3	1	1	0	0	0	0	2	0	2	1	1	0	0	0	6	1	3
Invasive pneumococcal disease	517	18	51	46	73	50	23	29	4	11	25	9	16	20	14	5	14	0	61	7	41
Lead absorption	241	3	35	45	33	12	0	3	2	7	11	5	8	15	11	2	7	2	15	7	18
Legionellosis	228	12	43	21	20	7	1	7	0	1	2	1	1	1	3	1	10	2	71	1	23
Leptospirosis	85	7	2	2	6	5	0	5	4	2	14	11	6	0	0	1	3	3	8	3	3
Listeriosis	21	0	2	2	4	2	1	2	0	1	0	1	0	3	1	0	0	0	2	0	0
Malaria	42	0	6	13	6	1	0	5	0	2	0	0	0	0	1	0	5	0	1	1	1
Measles	217	3	107	21	18	28	0	0	1	0	25	0	0	1	2	1	0	2	8	0	0
Meningococcal disease	103	6	8	7	13	12	6	2	0	1	5	3	4	5	4	1	2	1	11	1	11
Mumps	57	3	7	11	5	2	0	3	0	1	2	0	1	1	2	0	10	0	6	1	2
Paratyphoid fever	13	0	0	5	0	0	3	0	0	0	0	0	1	0	3	0	0	1	0	0	0
Pertussis	823	6	53	90	35	64	9	29	13	23	70	9	31	41	96	1	43	46	97	6	61
Rheumatic fever	164	17	6	12	49	15	4	8	5	1	7	4	8	10	12	0	2	0	4	0	0
Rickettsial disease	8	0	2	1	1	2	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
Rubella	22	2	4	6	1	0	0	0	0	0	0	0	0	1	1	0	0	0	4	1	2
Salmonellosis	1181	33	107	115	67	104	22	33	17	22	40	13	30	36	65	14	49	8	165	37	204
Shigellosis	79	0	24	17	17	4	1	3	0	0	1	0	0	0	4	0	0	0	4	0	4
Tuberculosis disease	334	6	29	79	55	25	1	12	2	1	16	1	17	15	41	0	5	1	18	2	8
Typhoid fever	37	0	12	6	10	0	1	3	0	0	1	0	2	0	1	0	0	0	1	0	0
VTEC/STEC infection	165	10	14	10	18	30	9	7	8	4	6	0	3	4	5	1	3	2	22	3	6
Yersiniosis	508	6	77	55	46	84	15	19	6	20	10	5	10	23	44	3	8	6	49	8	14
<b>Total</b>	<b>15188</b>	<b>436</b>	<b>1625</b>	<b>1518</b>	<b>1259</b>	<b>1511</b>	<b>374</b>	<b>629</b>	<b>132</b>	<b>359</b>	<b>684</b>	<b>157</b>	<b>507</b>	<b>571</b>	<b>1198</b>	<b>116</b>	<b>459</b>	<b>164</b>	<b>1966</b>	<b>287</b>	<b>1236</b>

<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 August 2011

Disease	Current Year - 2011 <sup>1</sup>			Previous Year - 2010		
	August 2011 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	August 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	570	3857	151.1	630	4602	175.5
Cryptosporidiosis	56	239	15.6	60	510	22.1
Dengue fever	5	30	1.2	4	28	1.0
Gastroenteritis <sup>3</sup>	48	411	13.9	35	294	13.9
Giardiasis	170	1395	45.6	139	1389	43.5
Haemophilus influenzae type b	3	10	0.3	0	6	0.3
Hepatitis A	2	16	0.6	2	34	1.1
Hepatitis B <sup>4</sup>	8	49	1.5	2	33	1.1
Hepatitis C <sup>4</sup>	2	15	0.5	3	9	0.4
Invasive pneumococcal disease	79	359	11.8	74	377	14.2
Lead absorption	14	161	5.5	15	152	5.8
Legionellosis	38	140	5.2	10	85	2.6
Leptospirosis	11	61	1.9	6	56	2.0
Listeriosis	0	18	0.5	1	20	0.7
Malaria	3	34	1.0	6	36	1.1
Measles	44	212	5.0	6	43	2.2
Meningococcal disease	24	79	2.4	12	73	2.6
Mumps	8	47	1.3	1	31	1.3
Paratyphoid fever	0	9	0.3	1	15	0.5
Pertussis	119	564	18.8	74	613	26.2
Rheumatic fever	25	111	3.8	11	114	3.3
Rickettsial disease	1	6	0.2	2	12	0.3
Rubella	10	20	0.5	1	2	0.0
Salmonellosis	74	768	27.0	96	733	24.0
Shigellosis	10	65	1.8	9	90	2.7
Tuberculosis disease	34	231	7.6	16	201	6.7
Typhoid fever	4	32	0.8	3	26	0.7
VTEC/STEC infection	12	132	3.8	18	105	3.4
Yersiniosis	88	351	11.6	32	249	9.1

<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 August 2011) or the previous

<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 August: Brucellosis (1), Hepatitis NOS (1), Hydatid disease (2), Leprosy (1), Taeniasis (3)