

## MONTHLY NOTIFIABLE DISEASE SURVEILLANCE REPORT

Data contained within this monthly report is based on information recorded on EpiSurv by public health service staff up until 5 February 2009. As this information may be updated over time, the results should be regarded as provisional only.

### Table of contents

<b>1. Key notifiable disease trends</b>	<b>1</b>
<b>2. Outbreaks</b>	<b>3</b>
<b>3. Deaths from notifiable diseases</b>	<b>3</b>
<b>4. Trends in selected diseases to January 2009</b>	<b>4</b>
<b>5. Data Tables</b>	<b>5</b>

### 1. Key notifiable disease trends

- *Chemical poisoning from the environment:* One case of chemical poisoning from the environment was notified in January 2009 and the case is still under investigation. This female case from Wairarapa DHB is still under investigation and aged 5-9 years.
- *Dengue fever:* 31 cases of dengue fever were notified in January 2009 compared to 8 notified cases during the same month of the previous year. Six cases were hospitalised. Overseas travel was recorded for 25 of the cases. The countries visited during the incubation period were Fiji (10), Tonga (10) Samoa (4) and Vanuatu (1). For 5 cases the travel history of the case was recorded as unknown. The remaining case, still under investigation, had no overseas travel history. However, this case does not meet the case definition. It was identified through a screening test and had no clinically compatible illness. The test result is being reviewed.
- *Invasive pneumococcal disease:* Invasive pneumococcal disease became notifiable on 17 October 2008, cases must be laboratory confirmed with *S. pneumoniae* detected from a normally sterile site. 47 cases of invasive pneumococcal disease were notified in January 2009. The cases were distributed by age as follows 4 (1-4 years), 1 (5-9 years), 5 (10-14 years), 1 (15-19 years), 1 (20-29 years), 3 (30-39 years), 2 (40-49 years), 6 (50-59 years), 7 (60-69 years) and 17 (70+ years). 39 of the cases were hospitalised, four of these cases died from invasive pneumococcal disease.
- *Measles:* Five cases of measles were notified in January 2009 compared to zero notifications in the preceding month and same month of the previous year. The cases were reported from Otago (4) and Capital and Coast (1) DHBs. One case is still under investigation (aged less than one year) while the other four cases were laboratory confirmed but had not been immunised (1 (1-4 years), 1 (5-9 years), 1 (10-14 years) and 1 (15-19 years)). Otago DHB notified an outbreak of measles involving four cases.

- *Meningococcal disease*: Based on the earliest date available<sup>1</sup>, 8 cases of meningococcal disease were notified during January 2009, 7 (87.5%) of which were laboratory-confirmed. In comparison, 8 cases were notified the previous month, December 2008, and 10 cases were notified during the same month last year, January 2008. For the 12 month period ending 31 January 2009, Whanganui DHB recorded the highest incidence rate of 7.9 per 100 000 population (5 cases), followed by Hawke's Bay DHB (5.9 per 100 000, 9 cases) and Northland (5.8 per 100 000, 9 cases). The highest age-specific incidence rate was in infants aged less than one year (32.8 per 100 000 population, 21 cases), followed by those in the 1-4 years age group (13.6 per 100 000 population, 32 cases), and those in the 5-9 years age group (4.2 per 100 000 population, 12 cases).
- *Pertussis*: 81 cases of pertussis were notified in January 2009 (Figure 2). There were 19 (23%) laboratory-confirmed cases. The highest numbers of cases were reported from Canterbury (18), Nelson Marlborough (12) and Waikato (12) DHBs. For the 12 month period ending 31 January 2009, Nelson Marlborough DHB had the highest incidence rate of 33.2 per 100 000 population (45 cases) compared to a national rate of 11.8 per 100 000 population. The current 12 month rate by age group was highest amongst infants aged less than one year (79.6 per 100 000 population, 51 cases), followed by children the 10-14 years age group (14.6 per 100 000 population, 44 cases).
- *Rheumatic fever*: 12 cases of rheumatic fever (all initial attacks) were notified in January 2009 compared to 9 notifications in the preceding month and 3 notifications in the same month of the previous year. The cases were reported from Waikato (3), Auckland (2), Northland (1), Waitemata (1), Counties Manukau (1), Bay of Plenty (1), Taranaki (1), Hutt Valley (1), and Capital and Coast (1) DHBs.
- *Salmonellosis*: 147 cases of salmonellosis were notified in January 2009 compared to 130 notified cases in the previous month (Figure 1). The highest numbers of cases were reported from Counties Manukau (24), Canterbury (14) and Otago (14) DHBs. 12 cases were hospitalised. The serotype involved was identified for 96 of the cases. The dominant serotypes were: *Salmonella* Typhimurium phage type 1 (15), *S. Typhimurium* phage type 160 (14) and *S. Typhimurium* phage type 42 (9).
- *Typhoid fever*: Six cases of typhoid fever were notified in January 2009 compared to one notified case in the same month of the previous year. The cases were from Capital and Coast (3), Waitemata (1), Auckland (1), and Counties Manukau (1) DHBs. Five cases were hospitalised. The species involved was identified for three of the six cases as: *Salmonella* Typhi phage type E1a (2) and *S. Typhi* W form (1). Information on overseas travel was recorded for two cases, who had been to India.
- *Toxic shellfish poisoning*: One probable case of toxic shellfish poisoning was notified in January 2009. The case was in the 30-39 years age group from Waitemata DHB. It was reported that the case ate shellfish from Paihia but the type of toxic shellfish poisoning was unspecified.

---

<sup>1</sup> The 'earliest' date refers to the earliest recorded date for the case (onset or hospitalisation date rather than report date, if available). 'Earliest' date, as opposed to 'report date' alone, is used throughout the analysis of meningococcal disease notification data.

## 2. Outbreaks

*Completed outbreak reports:* 11 outbreak reports were entered into EpiSurv and completed during January 2009 (Table 1).

Table 1: Summary of completed outbreaks reported to ESR during January 2009

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
Bordetella	Auckland, West Coast	2	6
Cryptosporidium	Auckland	1	4
Gastroenteritis	Auckland	1	2
Giardia	Auckland	1	3
Hepatitis	Taranaki	1	2
Norovirus	Auckland, Manawatu, Canterbury	3	49
Rotavirus	Auckland	2	15
<b>Total</b>		<b>11</b>	<b>81</b>

*Interim outbreak reports:* 15 interim outbreaks have been reported in January 2009. The status of the outbreak and cases involved are subject to change, as more data becomes available.

Table 2: Summary of interim outbreaks reported to ESR during January 2009

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
Campylobacter	Auckland	1	6
Gastroenteritis	Auckland, Taranaki, Hawke's Bay, Wellington	8	5
Giardia	Auckland, Otago	3	6
Measles	Otago	1	4
Norovirus	Wellington	1	105
Yersinia	Auckland	1	0
<b>Total</b>		<b>15</b>	<b>126</b>

## 3. Deaths from notifiable diseases

Six deaths were reported for the month of January from invasive pneumococcal disease (4 cases), listeriosis (1 case) and VTEC/STEC infection (1 case) (Table 3).

Table 3: Summary of deaths from notifiable diseases reported to ESR during January 2009

Disease	District Health Board	Age group
Invasive pneumococcal disease	Counties Manukau	70+
Invasive pneumococcal disease	Canterbury	70+
Invasive pneumococcal disease	Otago	70+
Invasive pneumococcal disease	Southland	60 to 69
Listeriosis	Otago	70+
VTEC/STEC infection	Auckland	70+

#### 4. Trends in selected diseases to January 2009

Figure 1: Salmonellosis notifications by month by year, January 2004 – January 2009

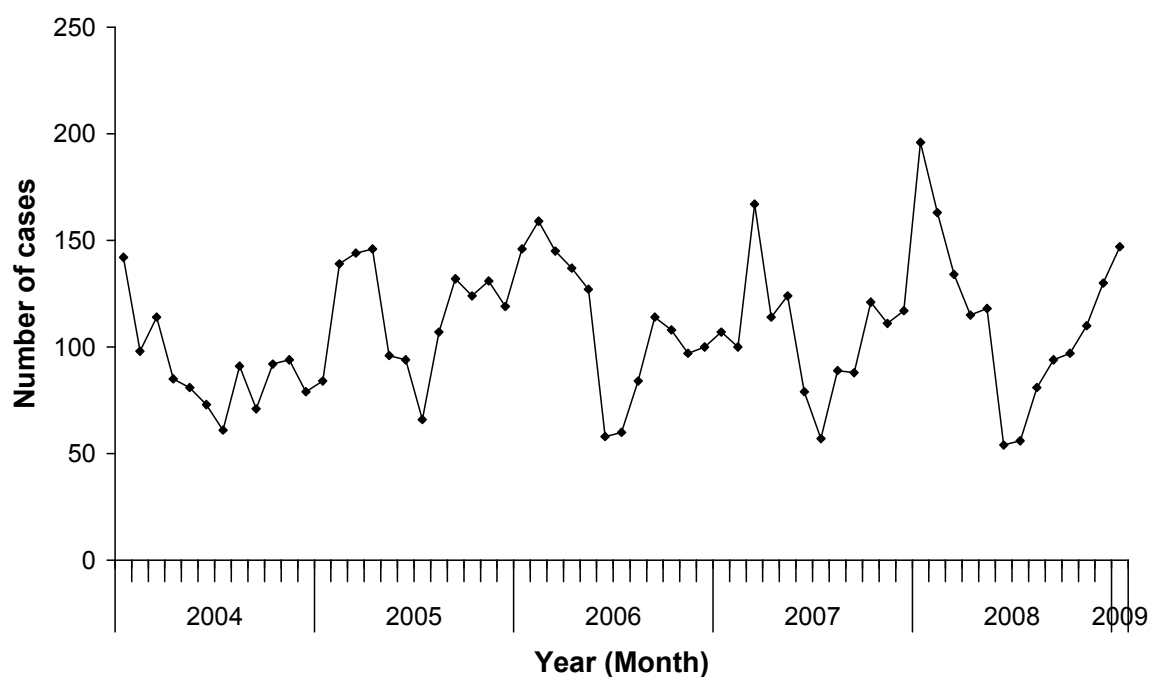
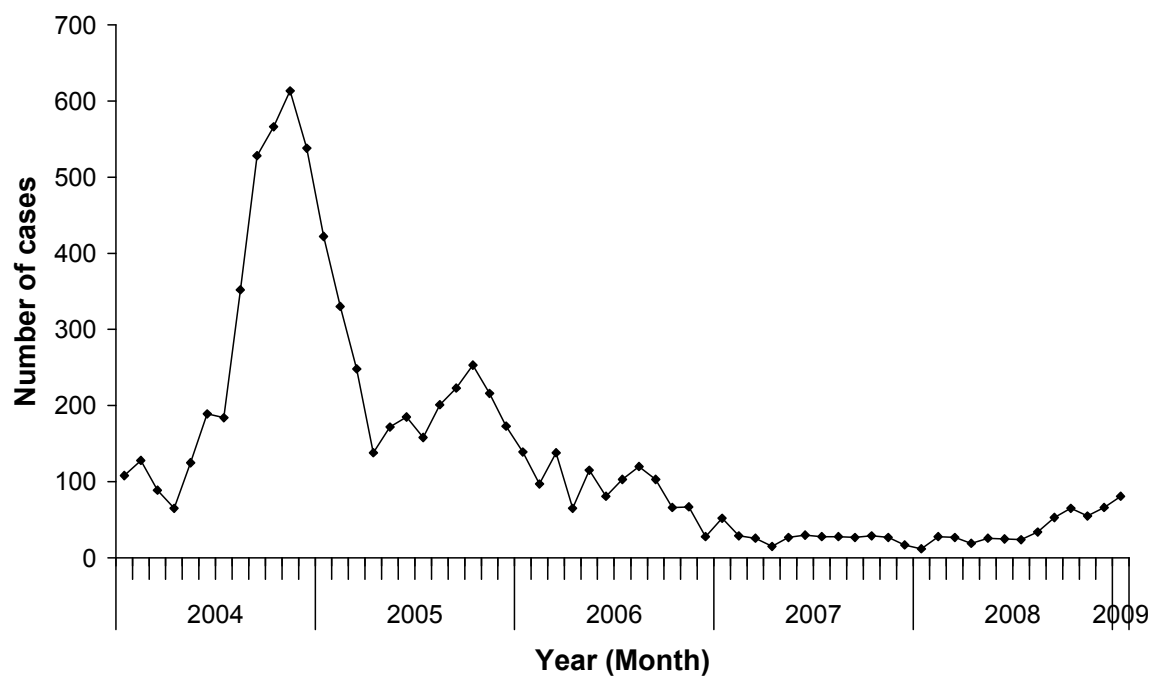


Figure 2: Pertussis notifications by month by year, January 2004 – January 2009



## 5. Data Tables

### National Notifiable Disease Surveillance Data January 2009

Disease	Current Year - 2009 <sup>1</sup>			Previous Year - 2008		
	January 2009 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	January 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	793	793	159.1	695	695	270.3
Cryptosporidiosis	29	29	17.9	27	27	21.5
Dengue fever	31	31	3.2	8	8	2.7
Gastroenteritis	40	40	15.6	65	65	14.7
Giardiasis	123	123	39.0	119	119	33.0
Haemophilus influenzae type b	0	0	0.1	3	3	0.4
Hepatitis A	4	4	2.1	6	6	1.1
Hepatitis B <sup>4</sup>	6	6	0.9	7	7	1.6
Hepatitis C <sup>4</sup>	4	4	0.6	1	1	0.7
Invasive pneumococcal disease <sup>5</sup>	47	47	4.1	0	0	0.0
Lead absorption	11	11	7.4	12	12	2.0
Legionellosis	15	15	2.0	6	6	1.3
Leptospirosis	7	7	2.8	7	7	1.4
Listeriosis	2	2	0.6	3	3	0.6
Malaria	2	2	0.9	3	3	0.6
Measles	5	5	0.4	0	0	0.5
Meningococcal disease <sup>6</sup>	11	11	2.9	11	11	2.5
Mumps	1	1	1.5	12	12	1.9
Paratyphoid fever	2	2	0.6	3	3	0.6
Pertussis	81	81	11.8	12	12	6.9
Rheumatic fever	12	12	6.0	3	3	3.3
Salmonellosis	147	147	30.4	195	195	32.2
Shigellosis	8	8	2.6	11	11	3.2
Tuberculosis disease	27	27	7.1	28	28	6.9
Typhoid fever	6	6	0.8	1	1	1.0
VTEC/STEC infection	20	20	3.2	13	13	2.5
Yersiniosis	67	67	12.1	62	62	12.3

<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 2009) or the previous year (12 months up to and including January 2008), 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

<sup>5</sup> Invasive pneumococcal disease became a notifiable disease on the 17th October 2008

<sup>6</sup> These totals and rates are derived from the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section of this report

<sup>6</sup> Other notifiable infectious disease reported in January: Chemical poisoning from the environment (1) , Toxic shellfish poisoning (1)

Notifiable Disease Surveillance Data by District Health Board January 2009

		Cases <sup>1</sup> and current rate <sup>2</sup> for January 2009 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	Otago	Southland
Campylobacteriosis	Cases	29	101	93	64	64	23	36	6	20	43	15	29	38	58	6	43	4	57	14	33	17
	Rate	163.5	169.4	162.5	129.9	162.5	156.7	125.6	95.9	186.6	200.2	153.2	126.3	215.6	208.5	133.3	166.5	154.4	131.7	264.0	154.3	144.4
Cryptosporidiosis	Cases	0	4	4	2	4	0	2	0	1	0	0	1	0	3	0	2	0	1	1	1	3
	Rate	24.6	3.8	4.6	3.8	32.0	16.7	16.1	10.9	27.9	17.6	19.0	20.6	10.6	9.1	45.3	19.9	58.7	27.0	103.1	22.4	54.1
Dengue fever	Cases	1	2	9	11	2	0	0	0	0	0	0	0	0	3	1	0	0	1	0	0	1
	Rate	1.3	4.0	8.4	8.2	1.1	1.0	1.9	0.0	0.0	1.3	0.0	1.2	0.7	2.5	2.5	0.7	0.0	2.8	0.0	0.0	0.9
Gastroenteritis	Cases	0	8	3	3	2	1	1	0	0	0	5	0	2	5	0	0	0	8	0	2	0
	Rate	3.2	23.8	23.7	12.0	7.9	3.0	11.2	4.4	1.9	3.9	33.2	23.7	21.8	23.6	7.5	4.4	21.6	23.8	10.8	7.5	0.0
Giardiasis	Cases	4	13	21	21	9	6	3	0	3	1	0	2	2	10	2	1	1	9	1	10	4
	Rate	27.8	36.1	60.5	39.7	31.4	46.3	27.3	21.8	13.9	40.4	23.7	17.0	29.6	75.6	37.7	35.4	55.6	36.3	27.1	35.8	33.4
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	0
	Rate	0.0	0.2	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Hazardous substances injury	Cases	0	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	0.5	0.0	0.6	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	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	3.9	1.3	2.5	3.0	0.8	2.0	0.5	0.0	1.9	0.7	14.2	12.1	1.4	1.1	5.0	0.0	0.0	0.8	0.0	0.5	0.9
Hepatitis B	Cases	0	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0
	Rate	0.0	1.2	2.1	0.6	0.3	2.0	0.5	2.2	2.8	0.0	1.6	0.0	0.7	0.7	2.5	0.7	0.0	1.4	0.0	0.0	0.9
Hepatitis C	Cases	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.2	0.5	0.8	0.3	3.9	1.0	0.0	3.7	0.0	0.0	0.6	0.7	0.7	2.5	0.0	0.0	0.8	0.0	0.0	0.0
Ebola Virus Disease	Cases	3	5	2	6	6	2	1	1	0	1	0	0	3	0	2	2	0	5	1	4	3
	Rate	1.9	3.5	3.7	5.9	5.9	5.9	4.4	4.4	6.5	3.3	0.0	1.2	4.2	1.1	10.1	2.9	0.0	4.2	3.6	5.3	6.3
Lead absorption	Cases	0	3	1	1	0	0	1	1	0	0	0	1	1	1	0	0	0	0	0	1	0
	Rate	2.6	11.3	23.7	7.8	4.8	5.9	1.9	4.4	2.8	3.9	11.1	7.3	2.1	3.5	10.1	0.7	0.0	4.6	1.8	3.2	4.5
Legionellosis	Cases	0	2	3	1	1	1	0	0	1	1	0	0	1	0	0	1	1	2	0	0	0
	Rate	0.0	1.3	3.2	2.1	2.0	2.0	3.9	0.0	2.8	3.3	1.6	0.0	2.8	0.7	0.0	2.2	6.2	2.4	5.4	1.1	0.9
Leptospirosis	Cases	0	0	1	0	4	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	Rate	5.2	0.6	0.2	0.6	5.6	3.9	3.4	37.0	4.6	5.9	14.2	1.2	0.0	0.0	2.5	3.7	15.4	2.8	0.0	3.7	0.9
Listeriosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.6	0.4	0.7	1.3	0.8	0.0	1.0	0.0	0.0	0.0	1.6	0.6	0.0	0.4	2.5	0.0	0.0	0.4	0.0	1.6	0.0
Malaria	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.2	2.5	1.9	0.0	0.0	1.5	0.0	0.9	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.4	0.0	1.1	0.9
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0
	Rate	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.4	0.0	0.0	3.1	1.4	0.0	2.1	0.0
Aedes Mosquito Bites	Cases	0	0	0	2	0	0	1	1	0	1	0	0	1	2	0	0	0	1	0	2	0
	Rate	5.8	1.2	2.3	3.6	3.1	0.0	1.9	4.4	2.8	5.9	7.9	1.2	3.5	3.2	5.0	3.7	3.1	1.8	3.6	3.7	3.6
Mumps	Cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	2.6	1.3	1.4	2.1	2.2	2.0	1.5	0.0	0.0	3.3	1.6	0.0	2.1	1.8	0.0	0.7	0.0	2.0	0.0	0.5	0.0
Paratyphoid fever	Cases	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	1.0	0.7	0.8	0.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.6	0.0	0.0	1.8
Pertussis	Cases	2	4	2	11	12	1	5	0	0	1	0	2	2	1	0	12	5	18	1	1	1
	Rate	6.5	4.6	2.3	7.6	26.4	3.9	8.8	4.4	1.9	5.9	3.2	9.1	6.3	18.6	15.1	33.2	30.9	21.6	18.1	7.5	20.8
Rheumatic fever	Cases	1	1	2	1	3	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0
	Rate	8.4	2.5	2.7	5.3	9.0	44.3	33.1	8.7	1.9	6.5	1.6	4.2	3.5	5.3	2.5	0.0	0.0	0.2	0.0	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	0
	Rate	0.0	0.4	0.5	0.0	1.7	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
Rubella	Cases	0	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	0.0	0.0	1.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0
Salmonellosis	Cases	4	7	9	24	12	6	7	3	1	8	0	6	3	10	1	6	1	14	3	14	8
	Rate	29.1	20.2	20.8	22.4	30.9	28.6	26.8	19.6	32.5	24.1	15.8	24.9	35.9	30.2	55.3	50.8	30.9	35.9	63.3	68.3	41.5
Shigellosis	Cases	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	4	0	1	0
	Rate	1.3	3.3	4.8	4.4	1.4	0.0	3.4	0.0	0.9	0.7	0.0	0.0	1.4	3.2	0.0	5.2	3.1	1.8	1.8	2.1	1.8
Tuberculosis disease	Cases	0	5	9	7	2	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0
	Rate	5.2	10.0	13.2	12.7	5.6	3.0	3.9	4.4	1.9	3.3	4.7	4.2	9.2	8.8	0.0	3.7	0.0	5.0	5.4	0.5	0.9
Typhoid fever	Cases	0	1	1	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
	Rate	0.0	0.4	1.6	3.0	0.3	0.0	0.0	0.0	0.0	0.7	1.6	0.0	1.4	1.8	0.0	0.0	0.0	0.2	0.0	0.0	0.0
VTEC/STEC infection	Cases	1	2	2	1	4	1	2	0	2	0	0	1	0	1	1	0	0	1	0	1	0
	Rate	7.1	2.9	3.7	2.3	6.2	4.9	2.4	4.4	7.4	0.7	1.6	1.2	0.7	2.1	5.0	0.7	3.1	3.4	5.4	2.1	0.9
Yersiniosis	Cases	1	7	11	4	3	2	2	1	4	2	0	0	6	9	1	0	0	10	2	1	1
	Rate	9.0	9.0	12.3	8.0	9.8	14.8	8.3	8.7	13.0	18.9	7.9	3.6	18.3	25.3	5.0	10.3	40.1	16.1	21.7	4.3	9.0

<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 2009 expressed as cases per 100 000

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

© 2009 District Health Boards of New Zealand. All rights reserved. This document is the property of the District Health Boards of New Zealand. It is to be used for the purposes of the District Health Boards of New Zealand only. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the District Health Boards of New Zealand.

This document is the property of the District Health Boards of New Zealand. It is to be used for the purposes of the District Health Boards of New Zealand only. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the District Health Boards of New Zealand.

National Notifiable Disease Surveillance Data January 2009

Disease	Current Year - 2009 <sup>1</sup>			Previous Year - 2008		
	January 2009 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	January 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	793	793	159.1	695	695	270.3
Cryptosporidiosis	29	29	17.9	27	27	21.5
Dengue fever	31	31	3.2	8	8	2.7
Gastroenteritis	40	40	15.6	65	65	14.7
Giardiasis	123	123	39.0	119	119	33.0
Haemophilus influenzae type b	0	0	0.1	3	3	0.4
Hepatitis A	4	4	2.1	6	6	1.1
<YdUhh]g`6	6	6	0.9	7	7	1.6
<YdUhh]g`7	4	4	0.6	1	1	0.7
⋆bj Ug]j Y`dbYi a cV⋆VWU`X]gYUgY	47	47	4.1	0	0	0.0
Lead absorption	11	11	7.4	12	12	2.0
Legionellosis	15	15	2.0	6	6	1.3
Leptospirosis	7	7	2.8	7	7	1.4
Listeriosis	2	2	0.6	3	3	0.6
Malaria	2	2	0.9	3	3	0.6
Measles	5	5	0.4	0	0	0.5
A Yb]b[ cV⋆VWU`X]gYUgY	11	11	2.9	11	11	2.5
Mumps	1	1	1.5	12	12	1.9
Paratyphoid fever	2	2	0.6	3	3	0.6
Pertussis	81	81	11.8	12	12	6.9
Rheumatic fever	12	12	6.0	3	3	3.3
Salmonellosis	147	147	30.4	195	195	32.2
Shigellosis	8	8	2.6	11	11	3.2
Tuberculosis disease	27	27	7.1	28	28	6.9
Typhoid fever	6	6	0.8	1	1	1.0
VTEC/STEC infection	20	20	3.2	13	13	2.5
Yersiniosis	67	67	12.1	62	62	12.3

<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 2009) or the previous year (12 months up to and including January 2008), expressed as cases per 100 000

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

`C b`mUW`hY`WUgYg`cZ`h`]g`X]gYUgY`UFY`W`ffYbhmbch]Z]UV`Y`  
`⋆bj Ug]j Y`dbYi a cV⋆VWU`X]gYUgY`VYVWla Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+h`C`W⋆cVYf`&\$\$,  
`h`Y`gY`h`cHJ`g`UbX`fUH`g`UFY`XYf]j YX`Zfca`h`Y`9d]Gi`fj`fYdcfhXUH`Y`g`cddcgYX`h`c`h`Y`YUF`J]YghUj U]`UV`Y`XUH`i`gYX`]b`h`Y`  
a Yb]b[ cV⋆VWU`X]gYUgY`gYVW]cb`cZ`h`]g`fYdcfh`  
`C`h`Yf`bch]Z]UV`Y`]bZVW]ci`g`X]gYUgY`fYdcfhYX`]b`⋆Ubi`Ufm`7`Y`a`JW`dc]gcb]b[`Zfca`h`Y`Ybj`Jfcb a Ybh`f⋆⋆Z`Hcl`J]Wg`Y`Z]g\  
dc]gcb]b[`f⋆⋆

Notifiable Disease Surveillance Data by District Health Board January 2009

		Cases <sup>1</sup> and current rate <sup>2</sup> for January 2009 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	Otago	Southland
Campylobacteriosis	Cases	29	101	93	64	64	23	36	6	20	43	15	29	38	58	6	43	4	57	14	33	17
	Rate	163.5	169.4	162.5	129.9	162.5	156.7	125.6	95.9	186.6	200.2	153.2	126.3	215.6	208.5	133.3	166.5	154.4	131.7	264.0	154.3	144.4
Cryptosporidiosis	Cases	0	4	4	2	4	0	2	0	1	0	0	1	0	3	0	2	0	1	1	1	3
	Rate	24.6	3.8	4.6	3.8	32.0	16.7	16.1	10.9	27.9	17.6	19.0	20.6	10.6	9.1	45.3	19.9	58.7	27.0	103.1	22.4	54.1
Dengue fever	Cases	1	2	9	11	2	0	0	0	0	0	0	0	0	3	1	0	0	1	0	0	1
	Rate	1.3	4.0	8.4	8.2	1.1	1.0	1.9	0.0	0.0	1.3	0.0	1.2	0.7	2.5	2.5	0.7	0.0	2.8	0.0	0.0	0.9
Gastroenteritis	Cases	0	8	3	3	2	1	1	0	0	0	5	0	2	5	0	0	0	8	0	2	0
	Rate	3.2	23.8	23.7	12.0	7.9	3.0	11.2	4.4	1.9	3.9	33.2	23.7	21.8	23.6	7.5	4.4	21.6	23.8	10.8	7.5	0.0
Giardiasis	Cases	4	13	21	21	9	6	3	0	3	1	0	2	2	10	2	1	1	9	1	10	4
	Rate	27.8	36.1	60.5	39.7	31.4	46.3	27.3	21.8	13.9	40.4	23.7	17.0	29.6	75.6	37.7	35.4	55.6	36.3	27.1	35.8	33.4
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	0
	Rate	0.0	0.2	0.0	0.0	0.0	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.4	0.0	0.0	0.0
Hazardous substances injury	Cases	0	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	0.5	0.0	0.6	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	1	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	3.9	1.3	2.5	3.0	0.8	2.0	0.5	0.0	1.9	0.7	14.2	12.1	1.4	1.1	5.0	0.0	0.0	0.8	0.0	0.5	0.9
Hepatitis B	Cases	0	0	1	2	0	0	0	0	1	0	0	0	0	0	0	0	0	2	0	0	0
	Rate	0.0	1.2	2.1	0.6	0.3	2.0	0.5	2.2	2.8	0.0	1.6	0.0	0.7	0.7	2.5	0.7	0.0	1.4	0.0	0.0	0.9
Hepatitis C	Cases	0	0	0	0	0	0	0	0	2	0	0	1	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.2	0.5	0.8	0.3	3.9	1.0	0.0	3.7	0.0	0.0	0.6	0.7	0.7	2.5	0.0	0.0	0.8	0.0	0.0	0.0
Ebola Virus Disease	Cases	3	5	2	6	6	2	1	1	0	1	0	0	3	0	2	2	0	5	1	4	3
	Rate	1.9	3.5	3.7	5.9	5.9	5.9	4.4	4.4	6.5	3.3	0.0	1.2	4.2	1.1	10.1	2.9	0.0	4.2	3.6	5.3	6.3
Lead absorption	Cases	0	3	1	1	0	0	1	1	0	0	0	1	1	1	0	0	0	0	0	1	0
	Rate	2.6	11.3	23.7	7.8	4.8	5.9	1.9	4.4	2.8	3.9	11.1	7.3	2.1	3.5	10.1	0.7	0.0	4.6	1.8	3.2	4.5
Legionellosis	Cases	0	2	3	1	1	1	0	0	1	1	0	0	1	0	0	1	1	2	0	0	0
	Rate	0.0	1.3	3.2	2.1	2.0	2.0	3.9	0.0	2.8	3.3	1.6	0.0	2.8	0.7	0.0	2.2	6.2	2.4	5.4	1.1	0.9
Leptospirosis	Cases	0	0	1	0	4	0	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0
	Rate	5.2	0.6	0.2	0.6	5.6	3.9	3.4	37.0	4.6	5.9	14.2	1.2	0.0	0.0	2.5	3.7	15.4	2.8	0.0	3.7	0.9
Listeriosis	Cases	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	Rate	0.6	0.4	0.7	1.3	0.8	0.0	1.0	0.0	0.0	0.0	1.6	0.6	0.0	0.4	2.5	0.0	0.0	0.4	0.0	1.6	0.0
Malaria	Cases	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	1.3	1.2	2.5	1.9	0.0	0.0	1.5	0.0	0.9	0.0	0.0	0.0	0.7	0.4	0.0	0.0	0.0	0.4	0.0	1.1	0.9
Measles	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	0
	Rate	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.4	0.0	0.0	3.1	1.4	0.0	2.1	0.0
Aedes Mosquito Bites	Cases	0	0	0	2	0	0	1	1	0	1	0	0	1	2	0	0	0	1	0	2	0
	Rate	5.8	1.2	2.3	3.6	3.1	0.0	1.9	4.4	2.8	5.9	7.9	1.2	3.5	3.2	5.0	3.7	3.1	1.8	3.6	3.7	3.6
Mumps	Cases	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	2.6	1.3	1.4	2.1	2.2	2.0	1.5	0.0	0.0	3.3	1.6	0.0	2.1	1.8	0.0	0.7	0.0	2.0	0.0	0.5	0.0
Paratyphoid fever	Cases	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	1.0	0.7	0.8	0.8	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0	0.0	0.6	0.0	0.0	1.8
Pertussis	Cases	2	4	2	11	12	1	5	0	0	1	0	2	2	1	0	12	5	18	1	1	1
	Rate	6.5	4.6	2.3	7.6	26.4	3.9	8.8	4.4	1.9	5.9	3.2	9.1	6.3	18.6	15.1	33.2	30.9	21.6	18.1	7.5	20.8
Rheumatic fever	Cases	1	1	2	1	3	0	1	0	1	0	0	0	1	1	0	0	0	0	0	0	0
	Rate	8.4	2.5	2.7	5.3	9.0	44.3	33.1	8.7	1.9	6.5	1.6	4.2	3.5	5.3	2.5	0.0	0.0	0.2	0.0	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	0
	Rate	0.0	0.4	0.5	0.0	1.7	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
Rubella	Cases	0	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	0.0	0.0	1.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.5	0.0
Salmonellosis	Cases	4	7	9	24	12	6	7	3	1	8	0	6	3	10	1	6	1	14	3	14	8
	Rate	29.1	20.2	20.8	22.4	30.9	28.6	26.8	19.6	32.5	24.1	15.8	24.9	35.9	30.2	55.3	50.8	30.9	35.9	63.3	68.3	41.5
Shigellosis	Cases	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	4	0	1	0
	Rate	1.3	3.3	4.8	4.4	1.4	0.0	3.4	0.0	0.9	0.7	0.0	0.0	1.4	3.2	0.0	5.2	3.1	1.8	1.8	2.1	1.8
Tuberculosis disease	Cases	0	5	9	7	2	0	0	0	0	0	0	0	0	2	0	1	0	1	0	0	0
	Rate	5.2	10.0	13.2	12.7	5.6	3.0	3.9	4.4	1.9	3.3	4.7	4.2	9.2	8.8	0.0	3.7	0.0	5.0	5.4	0.5	0.9
Typhoid fever	Cases	0	1	1	1	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0
	Rate	0.0	0.4	1.6	3.0	0.3	0.0	0.0	0.0	0.0	0.7	1.6	0.0	1.4	1.8	0.0	0.0	0.0	0.2	0.0	0.0	0.0
VTEC/STEC infection	Cases	1	2	2	1	4	1	2	0	2	0	0	1	0	1	1	0	0	1	0	1	0
	Rate	7.1	2.9	3.7	2.3	6.2	4.9	2.4	4.4	7.4	0.7	1.6	1.2	0.7	2.1	5.0	0.7	3.1	3.4	5.4	2.1	0.9
Yersiniosis	Cases	1	7	11	4	3	2	2	1	4	2	0	0	6	9	1	0	0	10	2	1	1
	Rate	9.0	9.0	12.3	8.0	9.8	14.8	8.3	8.7	13.0	18.9	7.9	3.6	18.3	25.3	5.0	10.3	40.1	16.1	21.7	4.3	9.0

<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 2009 expressed as cases per 100 000

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

© 2009 District Health Boards of New Zealand. All rights reserved. This document is the property of the District Health Boards of New Zealand. It is to be used for the purposes of the District Health Boards of New Zealand only. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the District Health Boards of New Zealand.

This document is the property of the District Health Boards of New Zealand. It is to be used for the purposes of the District Health Boards of New Zealand only. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the District Health Boards of New Zealand.



Notifiable Disease Surveillance Data for the 12 months ending January-2009 by District Health Board

Disease	Cases for the 12 months ending January 2009 <sup>1 2</sup> by District Health Board <sup>3</sup>																					
	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	Otago	Southland
Campylobacteriosis	6791	253	882	712	615	579	159	258	44	201	307	97	208	306	593	53	226	50	653	146	289	160
Cryptosporidiosis	766	38	20	20	18	114	17	33	5	30	27	12	34	15	26	18	27	19	134	57	42	60
Dengue fever	137	2	21	37	39	4	1	4	0	0	2	0	2	1	7	1	1	0	14	0	0	1
Gastroenteritis	666	5	124	104	57	28	3	23	2	2	6	21	39	31	67	3	6	7	118	6	14	0
Giardiasis	1666	43	188	265	188	112	47	56	10	15	62	15	28	42	215	15	48	18	180	15	67	37
Haemophilus influenzae type b	6	0	1	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	2	0	0	0
Hazardous substances injury	6	0	2	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hepatitis A	89	6	7	11	14	3	2	1	0	2	1	9	20	2	3	2	0	0	4	0	1	1
Hepatitis B	40	0	6	9	3	1	2	1	1	3	0	1	0	1	2	1	1	0	7	0	0	1
Hepatitis C	27	0	1	2	4	1	4	2	0	4	0	0	1	1	2	1	0	0	4	0	0	0
Ischaemic heart disease	174	3	18	16	28	21	6	9	2	7	5	0	2	6	3	4	4	0	21	2	10	7
Lead absorption	314	4	59	104	37	17	6	4	2	3	6	7	12	3	10	4	1	0	23	1	6	5
Legionellosis	86	0	7	14	10	7	2	8	0	3	5	1	0	4	2	0	3	2	12	3	2	1
Leptospirosis	121	8	3	1	3	20	4	7	17	5	9	9	2	0	0	1	5	5	14	0	7	1
Listeriosis	26	1	2	3	6	3	0	2	0	0	0	1	1	0	1	1	0	0	2	0	3	0
Malaria	39	2	6	11	9	0	0	3	0	1	0	0	0	1	1	0	0	0	2	0	2	1
Measles	17	0	0	2	0	0	0	0	0	0	2	0	0	0	1	0	0	1	7	0	4	0
Myocardial infarction	122	9	6	10	17	11	0	4	2	3	9	5	2	5	9	2	5	1	9	2	7	4
Mumps	66	4	7	6	10	8	2	3	0	0	5	1	0	3	5	0	1	0	10	0	1	0
Paratyphoid fever	24	0	5	3	4	3	1	0	0	0	0	0	0	0	3	0	0	0	3	0	0	2
Pertussis	503	10	24	10	36	94	4	18	2	2	9	2	15	9	53	6	45	10	107	10	14	23
Rheumatic fever	254	13	13	12	25	32	45	68	4	2	10	1	7	5	15	1	0	0	1	0	0	0
Rickettsial disease	10	0	2	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	9	0	1	0	1	0	0	2	0	0	2	0	0	0	0	0	0	0	2	0	1	0
Salmonellosis	1298	45	105	91	106	110	29	55	9	35	37	10	41	51	86	22	69	10	178	35	128	46
Shigellosis	110	2	17	21	21	5	0	7	0	1	1	0	0	2	9	0	7	1	9	1	4	2
Tuberculosis disease	301	8	52	58	60	20	3	8	2	2	5	3	7	13	25	0	5	0	25	3	1	1
Typhoid fever	34	0	2	7	14	1	0	0	0	0	1	1	0	2	5	0	0	0	1	0	0	0
VTEC/STEC infection	135	11	15	16	11	22	5	5	2	8	1	1	2	1	6	2	1	1	17	3	4	1
Yersiniosis	515	14	47	54	38	35	15	17	4	14	29	5	6	26	72	2	14	13	80	12	8	10
Total	14364	481	1643	1605	1378	1259	357	599	110	343	543	202	429	530	1222	139	469	138	1641	296	616	364

Notifiable Disease Surveillance Data for the 12 months ending January-2009 by District Health Board

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

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

<sup>3</sup> These totals are derived from the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section

-bJ Uglj`Y`dbYi`a`cVcWwV`X]gYUgY`VYVUa`Y`U`bch]ZUV`Y`X]gYUgY`cb`h`Y`%+h`C`VcVYF`&\$\$,  
 `h`YgY`hchUg`UbX`fUHyg`UFY`XYfj]YX`Zfca`h`Y`9d]G]gi`fydcfhXUHy`Ug`cddcgyX`hc`h`Y`Yuf`YghUj`Uj`UV`Y`XUHy`i`gYX`]b`h`Y`a`Yb]b[`cVcWwV`X]gYUgY`gYVh]cb`c`Z`h`]g`fydcfh