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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 staff up until 7 April 2010. As this information may be updated over time, the results should be regarded as provisional only.

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### Table of contents

1. Key notifiable disease trends	1
2. Outbreaks	4
3. Deaths from notifiable diseases	4
4. Trends in selected diseases to March 2010	5
5. Data Tables	6

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## 1. Key notifiable disease trends

- *Campylobacteriosis*: 571 campylobacteriosis cases were notified in March 2010 compared to 507 cases in the same month of the previous year. Four hundred and sixty eight cases were laboratory-confirmed. For the 12-month period ending 31 March 2010, the highest incidence rates were reported from Hutt Valley (272.6 per 100 000 population, 389 cases), Capital and Coast (249.2 per 100 000, 718 cases) and Taranaki (244.8 per 100 000, 265 cases) DHBs compared to a national rate of 171.4 per 100 000.
- *Cryptosporidiosis*: 108 cryptosporidiosis cases were notified in March 2010 compared to 50 cases during the same month of the previous year. The cases ranged in age from less than 1 year to greater than 70+ years, with the highest number of cases in the 1-4 years age group (27 cases). One case was hospitalised. Canterbury DHB reported the highest number of cases (43 cases), followed by Waitemata (17 cases), and Waikato (9 cases) DHBs. *Cryptosporidium parvum* oocysts were detected in faecal specimens for 92.6% (100/108) of the cases. Three interim *Cryptosporidium* outbreaks involving four cases were reported in March.
- *Giardiasis*: 218 giardiasis cases were notified in March 2010 compared to 183 notified in the same month the previous year (Figure 1). Auckland DHB reported the highest number of cases (37 cases), followed by Waikato (36 cases), and Waitemata (28 cases) DHBs. Twenty *Giardia* outbreaks (ten interim and ten final) involving 52 cases were reported in March.
- *Hepatitis A*: Six hepatitis A cases were notified in March 2010 compared to two in the same month of the previous year. Ethnicity was reported as Pacific Peoples and European (2 cases each) and is unknown for the remaining two cases. Three cases reported overseas travel during the incubation period (50.0%, 3/6) and countries visited included Samoa, South Africa and Vanuatu (each 1 case). Two cases did not report overseas travel during the incubation period. Of the two, one was exposed to human sewage through their

occupation and the other case had no obvious risk factors. The remaining case had unknown travel history and has since been de-notified.

- *Hepatitis B*: Six cases of hepatitis B were notified in March 2010 compared to one in the same month of the previous year. Ethnicity was reported as European (3 cases), Asian (1 case) and is unknown for the remaining two cases. Among the cases for which risk factor information was reported, 50.0% (2/4) had sexual contact with a confirmed case (or carrier), 25.0% (1/4) had a history of injecting drug use, and 25.0% (1/4) had household contact with a confirmed case (or carrier).
- *Legionellosis*: 20 cases of legionellosis were notified in March 2010 (2 confirmed, 5 probable and 13 under investigation) compared to seven in the same month of the previous year. The highest number of cases were from Auckland (5 cases), Waitemata (5 cases) and Northland (4 cases) DHBs. The cases were distributed by age as follows 10-14 years (1 case), 15-19 years (1 case), 20-29 years (2 cases), 30-39 years (1 case), 40-49 years (5 cases), 50-59 years (2 cases), 60-69 years (5 cases) and 70+ years (3 cases). Seven of the cases were hospitalised. One death from Hawke's Bay DHB was reported. The species involved was identified in nine cases; *Legionella longbeachae* serogroup 1 or 2 (2 cases), *L. longbeachae* serogroup 2 (1 case), *L. longbeachae* - serogroup not determined (1 case), *L. bozemanai* serogroup 1 or 2 (1 case), *L. dumoffii* (1 case), *L. pneumophila* serogroup 1 antigen (1 case), *L. pneumophila* serogroup 15 (1 case), and *L. pneumophila* – serogroup not determined (1 case).
- *Leptospirosis*: 16 cases of leptospirosis (9 confirmed, 1 probable and 6 under investigation) were notified in March 2010 compared to eight in the same month of the previous year. The highest number of cases was reported from MidCentral and Waikato DHBs (4 cases each), followed by Hawke's Bay (3 cases) DHB. Of the nine cases with occupation recorded, four (44.4%) were farmers, two (22.2%) were meat workers, and there was one of each of the following: stock-agent, semi-retired (works in the kiwifruit industry), and furniture maker. The *Leptospira* serovar was recorded in eight cases: *L. Tarassovi* (3 cases), *L. Ballum* (2 cases), *L. Pomona* (2 cases), and *L. Canicola* (1 case).
- *Measles*: 21 cases of measles (10 confirmed, 8 probable, and 3 under investigation) were notified in March 2010 compared to 11 in the same month of the previous year (Figure 2). There were four laboratory confirmed cases. The majority of cases were reported from Northland DHB (85.7%, 18 cases) followed by Capital and Coast, Nelson Marlborough, and Canterbury (each one case) DHBs. No cases were hospitalised.
- *Meningococcal disease*: Based on the earliest date available<sup>1</sup>, 12 cases of meningococcal disease were notified during March 2010, 10 of which were laboratory-confirmed). In comparison, three cases were notified in the previous month, February 2010, and four during same month last year, March 2009. For the 12 month period ending 31 March 2010, Tairāwhiti DHB recorded the highest incidence rate of 13.0 per 100 000 population (6 cases), followed by MidCentral (5.4 per 100 000, 9 cases) and Hawke's Bay (4.5 per 100 000, 7 cases) DHBs. The highest age-specific rate was in infants aged less than one year (46.0 per 100,000 population, 29 cases), followed by those in the 1-4 years age group (14.0 per 100,000, 34 cases).

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<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.

- *Mumps*: 13 cases of mumps (3 confirmed, 4 probable, and 6 under investigation) were notified in March 2010 compared with three in the same month of the previous year. There were three laboratory-confirmed cases. The highest number of cases was reported from Counties Manukau DHB (3 cases), followed by Waitemata, Auckland and Taranaki (2 cases each) DHBs. No cases were hospitalised.
- *Taeniasis*: One case of laboratory-confirmed taeniasis was notified in March 2010. The 15-19 year old African male from Capital and Coast DHB was in Ethiopia during the incubation period and the probable source of exposure was meat consumed during that time. He has had taeniasis in the past.
- *Tetanus*: One confirmed case of tetanus was notified in March 2010. The 70+ year old European female from Auckland DHB who was a keen gardener died after two days of hospitalisation.
- *Hazardous substances injury*: Three probable cases of hazardous substances injury were reported in March. A female aged 40-49 years and a male aged 30-39 years from Waitemata DHB were exposed to Tordon® (Metsulfuron Methyl Triclopyr) resulting from aerial spraydrift from a neighbouring farm. A male aged 60-69 years from Waitemata DHB accidentally inhaled styrene fumes and was hospitalised.

## 2. Outbreaks

*Completed outbreak reports:* 24 outbreak reports were entered into EpiSurv and completed during March 2010 (Table 1).

Table 1: Summary of completed outbreaks reported to ESR during March 2010

Organism/Toxin/Illness	Health District(s) where exposure occurred	Number of outbreaks	Total number of cases
Dengue fever	Waikato	1	2
Gastroenteritis	Auckland, Manawatu, Hutt, Wellington, Canterbury	7	49
<i>Giardia</i>	Auckland, Waikato	10	33
<i>Mycobacterium tuberculosis</i>	Wellington	1	3
Norovirus	Auckland, Wanganui, Canterbury	4	51
<i>Shigella</i>	Canterbury	1	2
<b>Total</b>		<b>24</b>	<b>140</b>

*Interim outbreak reports:* 40 interim outbreaks have been reported in March 2010. 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 March 2010

Organism/Toxin/Illness	Health District(s) where exposure occurred	Number of outbreaks	Total number of cases
<i>Bordetella pertussis</i>	Wellington	2	-
<i>Cryptosporidium</i>	Auckland	3	4
Gastroenteritis	Auckland, Waikato, Hawke's Bay, Wellington, Nelson Marlborough	22	109
<i>Giardia</i>	Auckland, Waikato	10	19
Histamine (scombroid) fish poisoning	Auckland	1	-
Norovirus	Taranaki	1	7
<i>Salmonella</i>	Otago	1	-
<b>Total</b>		<b>40</b>	<b>139</b>

\* Multiple Health District exposure/transmission

## 3. Deaths from notifiable diseases

Five deaths were reported for the month of March from invasive pneumococcal disease, legionellosis and tetanus (Table 3).

Table 3: Summary of deaths from notifiable diseases reported to ESR during March 2010

Disease	District Health Board	Age group
Invasive pneumococcal disease	Auckland	60-69
Invasive pneumococcal disease	Auckland	70+
Invasive pneumococcal disease	Counties Manukau	15-19
Legionellosis	Hawke's Bay	70+
Tetanus	Auckland	70+

#### 4. Trends in selected diseases to March 2010

Figure 1: Giardiasis notifications by month by year, January 2004 – March 2010

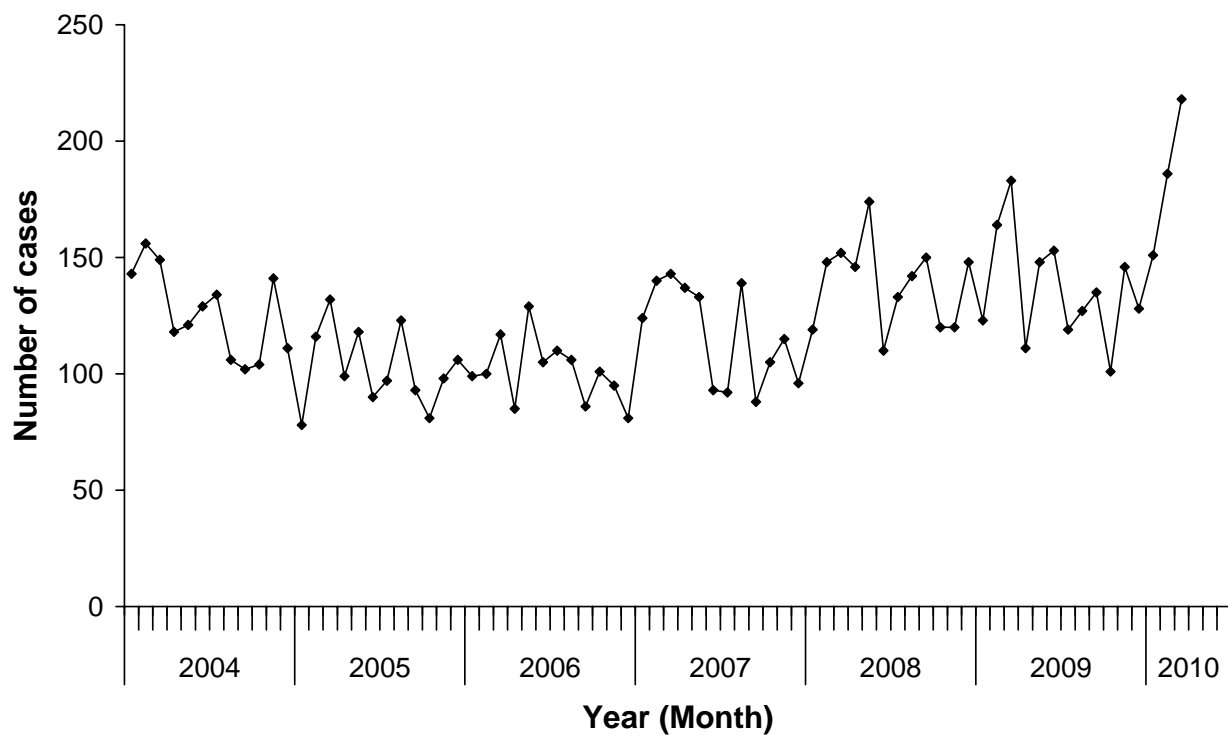
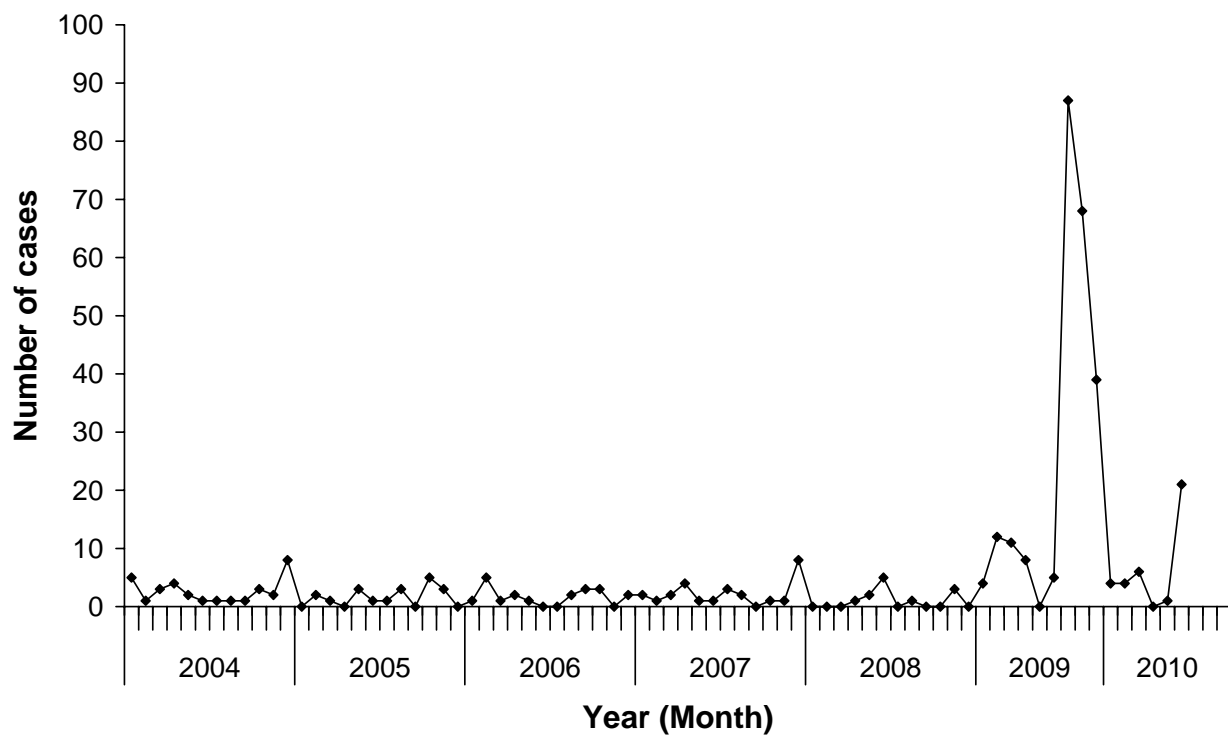


Figure 2: Measles notifications by month by year, January 2004 – March 2010



## 5. Data Tables

National Notifiable Disease Surveillance Data March 2010

Disease	Current Year - 2010 <sup>1</sup>			Previous Year - 2009		
	March 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	March 2009 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	571	2115	171.4	507	1892	159.9
Cryptosporidiosis	108	234	22.1	50	134	19.1
Dengue fever	5	11	1.9	18	69	3.5
Gastroenteritis <sup>3</sup>	38	121	16.1	69	141	15.2
Giardiasis	218	555	39.9	183	470	40.1
Haemophilus influenzae type b	1	5	0.3	1	1	0.1
Hazardous substances injury	3	3	0.3	0	1	0.2
Hepatitis A	6	14	1.1	2	9	1.9
Hepatitis B <sup>4</sup>	6	15	1.3	1	12	0.9
Hepatitis C <sup>4</sup>	2	4	0.6	3	11	0.6
Invasive pneumococcal disease <sup>5</sup>	34	72	15.0	47	121	5.8
Lead absorption	17	47	7.5	39	92	8.2
Legionellosis	20	56	2.4	7	29	2.0
Leptospirosis	16	40	2.2	8	14	2.6
Listeriosis	1	11	0.8	1	6	0.6
Malaria	5	18	1.2	8	18	1.2
Measles	21	22	5.6	11	27	0.9
Meningococcal disease <sup>6</sup>	11	22	3.1	3	22	2.9
Mumps	13	23	1.9	3	5	1.2
Non seasonal influenza A (H1N1) <sup>7</sup>	1	4	85.1	0	0	0.0
Paratyphoid fever	0	4	0.5	5	9	0.5
Pertussis	105	296	31.5	116	335	16.0
Rheumatic fever	10	31	3.3	12	29	3.7
Rickettsial disease	0	2	0.2	0	0	0.2
Salmonellosis	114	337	23.8	158	440	30.2
Shigellosis	14	26	2.4	18	42	3.0
Tuberculosis disease	29	89	7.2	24	79	7.1
Typhoid fever	0	13	0.6	2	19	0.9
VTEC/STEC infection	15	42	2.7	28	68	3.3
Yersiniosis	35	112	8.8	48	162	11.5

<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 March 2010) or the previous year (12 months up to and including March 2009), 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>7</sup> Non-seasonal influenza (capable of transmission between human beings) became an infectious notifiable disease on 29 April 2009.

Other notifiable infectious disease reported in March: Taeniasis (1) , Tetanus (1)

Notifiable Disease Surveillance Data by District Health Board March 2010

		Cases <sup>1</sup> and current rate <sup>2</sup> for March 2010 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	12	58	56	38	46	9	22	5	21	23	12	12	25	40	9	23	11	75	9	41	24	
	Rate	122.6	173.2	176.1	137.4	183.0	188.6	154.5	90.9	244.8	235.9	239.1	149.5	272.6	249.2	197.6	129.4	171.8	131.1	181.8	141.1	145.8	
Cryptosporidiosis	Cases	1	17	6	4	9	1	0	0	0	1	0	0	2	4	0	7	2	43	1	6	4	
	Rate	24.4	15.0	12.2	9.8	32.8	14.7	9.1	17.3	22.2	25.3	15.8	15.1	10.5	45.1	30.0	19.7	67.5	36.3	54.0	18.0	23.3	
Dengue fever	Cases	0	0	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	
	Rate	1.9	2.5	2.9	3.5	1.7	1.0	1.4	0.0	0.9	0.6	1.6	1.2	1.4	3.5	0.0	0.0	3.1	1.2	0.0	0.5	0.0	
Gastroenteritis	Cases	0	9	4	0	1	0	0	0	1	1	2	3	5	8	0	0	0	2	0	2	0	
	Rate	1.9	17.0	22.5	7.7	7.8	11.8	1.9	0.0	0.9	8.4	22.2	57.3	35.7	28.8	5.0	5.8	276.2	8.4	3.6	8.0	2.7	
Giardiasis	Cases	3	28	37	21	36	2	4	1	6	8	4	2	7	19	3	2	1	16	1	12	5	
	Rate	37.9	35.6	50.9	40.1	45.0	62.9	32.7	17.3	43.4	46.1	34.8	13.3	28.0	61.4	32.5	32.9	43.0	41.6	16.2	28.7	28.6	
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	0.6	0.0	0.4	1.1	0.0	0.0	0.0	0.0	0.0	1.6	0.6	0.7	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	
Hazardous substances injury	Cases	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Hepatitis A	Cases	0	0	1	1	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
	Rate	0.0	0.8	2.0	1.5	1.7	1.0	1.0	0.0	0.0	2.6	0.0	1.8	2.1	1.0	0.0	0.0	0.0	1.2	0.0	0.0	0.9	
Hepatitis B	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	1	0	1	0	0	0	
	Rate	1.9	0.9	2.3	1.5	0.3	2.0	1.9	4.3	0.9	0.6	1.6	1.2	0.0	1.7	7.5	2.2	6.1	0.8	0.0	1.1	0.0	
Hepatitis C	Cases	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
	Rate	0.6	0.2	0.5	0.6	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.6	2.1	0.7	5.0	0.0	0.0	0.8	1.8	1.1	0.0	
Hb Ygj YdbYi a cVcVWV XJgYUgY	Cases	2	4	5	10	2	3	1	0	0	1	1	1	0	1	1	0	0	0	0	1	1	
	Rate	18.6	11.7	10.8	18.1	20.6	27.5	22.6	17.3	20.3	20.8	22.2	10.8	19.6	10.1	27.5	11.7	0.0	9.2	9.0	15.4	13.4	
Lead absorption	Cases	0	0	2	3	3	0	0	0	0	0	0	1	2	0	0	0	0	3	3	0	0	
	Rate	2.6	6.1	14.6	9.8	6.1	7.9	3.4	15.2	2.8	3.2	7.9	6.6	9.8	3.8	5.0	8.0	0.0	6.2	18.0	10.1	8.0	
Legionellosis	Cases	4	5	5	1	0	0	0	0	0	2	0	1	0	0	0	0	0	2	0	0	0	
	Rate	7.1	4.0	3.2	2.1	0.6	0.0	2.9	2.2	0.0	3.2	0.0	1.2	0.7	0.7	2.5	0.7	12.3	3.4	1.8	1.1	1.8	
Leptospirosis	Cases	0	0	0	0	4	0	2	0	1	3	0	4	0	0	0	0	0	1	0	0	1	
	Rate	3.9	0.2	0.2	0.2	6.4	2.9	2.9	0.0	5.5	3.9	6.3	7.2	0.0	0.3	0.0	2.9	12.3	2.0	1.8	0.0	5.4	
Listeriosis	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.8	1.4	0.6	1.4	0.0	1.4	6.5	0.9	0.0	1.6	1.2	0.7	0.3	0.0	0.0	0.0	0.0	0.0	1.6	0.0	
Malaria	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	
	Rate	0.0	1.3	2.0	2.7	1.1	0.0	1.4	0.0	0.9	0.6	0.0	0.0	0.0	1.0	2.5	1.5	3.1	0.8	0.0	0.0	0.9	
Measles	Cases	18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	
	Rate	14.1	2.1	1.8	0.6	0.3	0.0	1.0	0.0	0.0	0.6	1.6	0.6	0.0	0.3	0.0	1.5	21.5	33.5	1.8	6.4	1.8	
A Yb]b[ cVcVWV XJgYUgY	Cases	0	1	1	0	0	0	0	0	1	2	0	0	0	1	0	0	0	3	0	1	1	
	Rate	3.9	1.1	2.9	4.2	2.5	2.9	3.9	13.0	3.7	4.5	1.6	5.4	4.2	3.8	2.5	0.0	3.1	2.8	0.0	2.7	2.7	
Mumps	Cases	1	2	2	3	0	0	0	0	2	0	0	0	0	1	0	0	0	1	0	1	0	
	Rate	1.9	1.3	1.6	1.9	2.2	1.0	1.9	0.0	3.7	0.6	0.0	0.0	0.7	3.5	5.0	1.5	3.1	3.0	5.4	1.6	0.0	
Bcb'gYUgcbU' ]bZi YbnU'5'fk' %B%&	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
	Rate	115.6	63.2	83.8	65.0	50.3	49.1	50.5	108.2	30.5	113.1	112.4	47.6	149.3	179.1	135.1	58.5	199.4	119.3	138.6	42.4	41.1	
Paratyphoid fever	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	0.8	0.7	0.2	0.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	0.0	0.0	0.0	0.6	0.0	0.0	0.0	
Pertussis	Cases	0	6	1	9	13	0	4	0	5	3	4	11	6	17	1	1	0	17	5	2	0	
	Rate	10.3	22.5	14.0	15.2	65.6	25.5	30.8	28.1	49.0	18.2	14.3	27.1	44.1	43.7	27.5	38.0	36.8	55.0	63.0	9.0	20.6	
Rheumatic fever	Cases	1	1	0	6	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	
	Rate	9.6	1.9	2.7	9.5	5.6	2.9	1.9	26.0	0.0	3.9	0.0	0.6	3.5	2.1	0.0	0.7	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	0.6	0.4	0.0	0.2	0.8	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	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	
Salmonellosis	Cases	9	4	5	11	11	3	10	1	2	1	0	3	4	5	1	8	0	15	5	13	3	
	Rate	21.8	15.0	21.2	15.6	28.3	19.6	17.8	36.8	21.2	28.6	12.7	19.3	22.4	18.4	35.0	31.4	24.5	30.3	54.0	45.1	39.3	
Shigellosis	Cases	1	0	1	3	1	0	1	0	0	0	0	0	2	1	0	0	0	2	0	2	0	
	Rate	1.9	2.8	3.4	5.2	2.2	0.0	1.4	2.2	0.0	0.6	0.0	0.6	2.1	2.1	2.5	1.5	3.1	1.6	1.8	3.2	2.7	
Tuberculosis disease	Cases	0	4	3	8	1	0	1	1	0	0	1	0	1	3	0	0	0	4	2	0	0	
	Rate	4.5	10.0	13.3	15.4	4.2	3.9	5.8	15.2	0.0	6.5	3.2	3.6	7.7	6.6	0.0	2.9	6.1	4.2	7.2	0.5	0.9	
Typhoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate</																						

<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 March 2010 expressed as cases per 100 000

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

‘b] Ugj] Y`dbYi a cVcVWV` X]gYUgY`VYWUa Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+h`c`VWcVYf`&\$\$,  
`H`YgY`hc`H`U`g`UbX`f`UH`g`UFY`XYf]] YX`Zfca`h`Y`9d]G]fj`fYdcfhXUH`Ug`cddcgYX`hc`h`Y`YUf`Y]gh`Uj`Uj`UV`Y`XUH`i`gYX`]b`h`Y`a`Yb]b[ cVcVWV`X]gYUgY`gYW]cb`c`ZH`Jg`fYdcfh  
`Bcb]gYUgcbU`]bZi`YbnU`fWUdUV`Y`c`Z`f`Ubga`]]gg]cb`VY`k`YYb`i`a`Ub`VY]b[ gk`VYWUa`Y`Ub`]b`ZYW]ci`g`bch]Z]UV`Y`X]gYUgY`cb`&-`5df`]`&\$-\$`-`"

Notifiable Disease Surveillance Data by District Health Board March 2010

		Cases <sup>1</sup> and current rate <sup>2</sup> for March 2010 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	12	58	56	38	46	9	22	5	21	23	12	12	25	40	9	23	11	75	9	41	24	
	Rate	122.6	173.2	176.1	137.4	183.0	188.6	154.5	90.9	244.8	235.9	239.1	149.5	272.6	249.2	197.6	129.4	171.8	131.1	181.8	141.1	145.8	
Cryptosporidiosis	Cases	1	17	6	4	9	1	0	0	0	1	0	0	2	4	0	7	2	43	1	6	4	
	Rate	24.4	15.0	12.2	9.8	32.8	14.7	9.1	17.3	22.2	25.3	15.8	15.1	10.5	45.1	30.0	19.7	67.5	36.3	54.0	18.0	23.3	
Dengue fever	Cases	0	0	1	0	2	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	
	Rate	1.9	2.5	2.9	3.5	1.7	1.0	1.4	0.0	0.9	0.6	1.6	1.2	1.4	3.5	0.0	0.0	3.1	1.2	0.0	0.5	0.0	
Gastroenteritis	Cases	0	9	4	0	1	0	0	0	1	1	2	3	5	8	0	0	0	2	0	2	0	
	Rate	1.9	17.0	22.5	7.7	7.8	11.8	1.9	0.0	0.9	8.4	22.2	57.3	35.7	28.8	5.0	5.8	276.2	8.4	3.6	8.0	2.7	
Giardiasis	Cases	3	28	37	21	36	2	4	1	6	8	4	2	7	19	3	2	1	16	1	12	5	
	Rate	37.9	35.6	50.9	40.1	45.0	62.9	32.7	17.3	43.4	46.1	34.8	13.3	28.0	61.4	32.5	32.9	43.0	41.6	16.2	28.7	28.6	
Haemophilus influenzae type b	Cases	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	0.6	0.0	0.4	1.1	0.0	0.0	0.0	0.0	0.0	1.6	0.6	0.7	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	
Hazardous substances injury	Cases	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.6	0.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	0.6	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Hepatitis A	Cases	0	0	1	1	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
	Rate	0.0	0.8	2.0	1.5	1.7	1.0	1.0	0.0	0.0	2.6	0.0	1.8	2.1	1.0	0.0	0.0	0.0	1.2	0.0	0.0	0.9	
Hepatitis B	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	3	0	1	0	1	0	0	0	
	Rate	1.9	0.9	2.3	1.5	0.3	2.0	1.9	4.3	0.9	0.6	1.6	1.2	0.0	1.7	7.5	2.2	6.1	0.8	0.0	1.1	0.0	
Hepatitis C	Cases	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	
	Rate	0.6	0.2	0.5	0.6	0.0	0.0	0.0	0.0	2.8	0.0	0.0	0.6	2.1	0.7	5.0	0.0	0.0	0.8	1.8	1.1	0.0	
HbA1c ≥ 6.5% diabetes mellitus	Cases	2	4	5	10	2	3	1	0	0	1	1	1	0	1	1	0	0	0	0	1	1	
	Rate	18.6	11.7	10.8	18.1	20.6	27.5	22.6	17.3	20.3	20.8	22.2	10.8	19.6	10.1	27.5	11.7	0.0	9.2	9.0	15.4	13.4	
Lead absorption	Cases	0	0	2	3	3	0	0	0	0	0	0	1	2	0	0	0	0	3	3	0	0	
	Rate	2.6	6.1	14.6	9.8	6.1	7.9	3.4	15.2	2.8	3.2	7.9	6.6	9.8	3.8	5.0	8.0	0.0	6.2	18.0	10.1	8.0	
Legionellosis	Cases	4	5	5	1	0	0	0	0	0	2	0	1	0	0	0	0	0	2	0	0	0	
	Rate	7.1	4.0	3.2	2.1	0.6	0.0	2.9	2.2	0.0	3.2	0.0	1.2	0.7	0.7	2.5	0.7	12.3	3.4	1.8	1.1	1.8	
Leptospirosis	Cases	0	0	0	0	4	0	2	0	1	3	0	4	0	0	0	0	0	1	0	0	1	
	Rate	3.9	0.2	0.2	0.2	6.4	2.9	2.9	0.0	5.5	3.9	6.3	7.2	0.0	0.3	0.0	2.9	12.3	2.0	1.8	0.0	5.4	
Listeriosis	Cases	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Rate	0.0	0.8	1.4	0.6	1.4	0.0	1.4	6.5	0.9	0.0	1.6	1.2	0.7	0.3	0.0	0.0	0.0	0.0	0.0	1.6	0.0	
Malaria	Cases	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	
	Rate	0.0	1.3	2.0	2.7	1.1	0.0	1.4	0.0	0.9	0.6	0.0	0.0	0.0	1.0	2.5	1.5	3.1	0.8	0.0	0.0	0.9	
Measles	Cases	18	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	
	Rate	14.1	2.1	1.8	0.6	0.3	0.0	1.0	0.0	0.0	0.6	1.6	0.6	0.0	0.3	0.0	1.5	21.5	33.5	1.8	6.4	1.8	
Meningococcal disease	Cases	0	1	1	0	0	0	0	0	1	2	0	0	0	1	0	0	0	3	0	1	1	
	Rate	3.9	1.1	2.9	4.2	2.5	2.9	3.9	13.0	3.7	4.5	1.6	5.4	4.2	3.8	2.5	0.0	3.1	2.8	0.0	2.7	2.7	
Mumps	Cases	1	2	2	3	0	0	0	0	2	0	0	0	0	1	0	0	0	1	0	1	0	
	Rate	1.9	1.3	1.6	1.9	2.2	1.0	1.9	0.0	3.7	0.6	0.0	0.0	0.7	3.5	5.0	1.5	3.1	3.0	5.4	1.6	0.0	
Non-infectious diseases	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	
	Rate	115.6	63.2	83.8	65.0	50.3	49.1	50.5	108.2	30.5	113.1	112.4	47.6	149.3	179.1	135.1	58.5	199.4	119.3	138.6	42.4	41.1	
Paratyphoid fever	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	0.8	0.7	0.2	0.6	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	0.0	0.0	0.0	0.6	0.0	0.0	0.0	
Pertussis	Cases	0	6	1	9	13	0	4	0	5	3	4	11	6	17	1	1	0	17	5	2	0	
	Rate	10.3	22.5	14.0	15.2	65.6	25.5	30.8	28.1	49.0	18.2	14.3	27.1	44.1	43.7	27.5	38.0	36.8	55.0	63.0	9.0	20.6	
Rheumatic fever	Cases	1	1	0	6	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	
	Rate	9.6	1.9	2.7	9.5	5.6	2.9	1.9	26.0	0.0	3.9	0.0	0.6	3.5	2.1	0.0	0.7	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	0.6	0.4	0.0	0.2	0.8	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	0.0	0.2	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0	
Salmonellosis	Cases	9	4	5	11	11	3	10	1	2	1	0	3	4	5	1	8	0	15	5	13	3	
	Rate	21.8	15.0	21.2	15.6	28.3	19.6	17.8	36.8	21.2	28.6	12.7	19.3	22.4	18.4	35.0	31.4	24.5	30.3	54.0	45.1	39.3	
Shigellosis	Cases	1	0	1	3	1	0	1	0	0	0	0	0	2	1	0	0	0	2	0	2	0	
	Rate	1.9	2.8	3.4	5.2	2.2	0.0	1.4	2.2	0.0	0.6	0.0	0.6	2.1	2.1	2.5	1.5	3.1	1.6	1.8	3.2	2.7	
Tuberculosis disease	Cases	0	4	3	8	1	0	1	1	0	0	1	0	1	3	0	0	0	4	2	0	0	
	Rate	4.5	10.0	13.3	15.4	4.2	3.9	5.8	15.2	0.0	6.5	3.2	3.6	7.7	6.6	0.0	2.9	6.1	4.2	7.2	0.5	0.9	
Typhoid fever	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	1.1	2.3	1.7	0.6	0.0	0.5	0.0	0.0													

<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 March 2010 expressed as cases per 100 000

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

‘b] Uglj Y`dbYi a cVc`VVU` X]gYUgY`VYWUa Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+h`c`Vh`c`VYf`&\$\$,  
`H`YgY`hc`H`U`g`UbX`f`UH`g`UFY`XYf]j`YX`Zfca`h`Y`9d]Gi`fj`fYdcfhXUH`Ug`cddcgYX`hc`h`Y`YUf`Y]gh`Uj`Uj`UV`Y`XUH`i`gYX`]b`h`Y`a`Yb]b[`c`Vc`VVU``X]gYUgY`gYV]cb`c`ZH`]g`fYdcfh  
`Bcb]`gYUgcbU`]bZi`YbnU`5`f`k`%B`%`  
`Bcb]`gYUgcbU`]bZi`YbnU`fVUdUV`Y`c`Zh`f`Ubga`]gg]cb`VYh`YYb`i`a`Ub`VY]b[`gk`VYWUa`Y`Ub`]bZYV]ci`g`bch]Z]UV`Y`X]gYUgY`cb`&-`5df]`&\$-\$`-`"



Notifiable Disease Surveillance Data for the 12 months ending March-2010 by District Health Board

Disease	Cases for the 12 months ending March 2010 <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	7398	191	915	782	662	659	192	321	42	265	363	151	248	389	718	79	177	56	658	101	266	163
Cryptosporidiosis	954	38	79	54	47	118	15	19	8	24	39	10	25	15	130	12	27	22	182	30	34	26
Dengue fever	81	3	13	13	17	6	1	3	0	1	1	1	2	2	10	0	0	1	6	0	1	0
Gastroenteritis	693	3	90	100	37	28	12	4	0	1	13	14	95	51	83	2	8	90	42	2	15	3
Giardiasis	1723	59	188	226	193	162	64	68	8	47	71	22	22	40	177	13	45	14	209	9	54	32
Haemophilus influenzae type b	14	1	3	0	2	4	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0
Hazardous substances injury	13	1	4	1	0	0	0	0	0	0	5	0	1	0	1	0	0	0	0	0	0	0
Hepatitis A	49	0	4	9	7	6	1	2	0	0	4	0	3	3	3	0	0	0	6	0	0	1
Hepatitis B	58	3	5	10	7	1	2	4	2	1	1	1	2	0	5	3	3	2	4	0	2	0
Hepatitis C	25	1	1	2	3	0	0	0	0	3	0	0	1	3	2	2	0	0	4	1	2	0
Ischaemic heart disease	648	29	62	48	87	74	28	47	8	22	32	14	18	28	29	11	16	0	46	5	29	15
Lead absorption	323	4	32	65	47	22	8	7	7	3	5	5	11	14	11	2	11	0	31	10	19	9
Legionellosis	103	11	21	14	10	2	0	6	1	0	5	0	2	1	2	1	1	4	17	1	2	2
Leptospirosis	95	6	1	1	1	23	3	6	0	6	6	4	12	0	1	0	4	4	10	1	0	6
Listeriosis	33	0	4	6	3	5	0	3	3	1	0	1	2	1	1	0	0	0	0	0	3	0
Malaria	50	0	7	9	13	4	0	3	0	1	1	0	0	0	3	1	2	1	4	0	0	1
Measles	243	22	11	8	3	1	0	2	0	0	1	1	1	0	1	0	2	7	168	1	12	2
Non-infectious diseases	133	6	6	13	20	9	3	8	6	4	7	1	9	6	11	1	0	1	14	0	5	3
Mumps	81	3	7	7	9	8	1	4	0	4	1	0	0	1	10	2	2	1	15	3	3	0
Non-infectious diseases	3672	180	334	372	313	181	50	105	50	33	174	71	79	213	516	54	80	65	599	77	80	46
Paratyphoid fever	20	0	4	3	1	2	2	0	0	0	0	0	0	1	4	0	0	0	3	0	0	0
Pertussis	1359	16	119	62	73	236	26	64	13	53	28	9	45	63	126	11	52	12	276	35	17	23
Rheumatic fever	142	15	10	12	46	20	3	4	12	0	6	0	1	5	6	0	1	0	1	0	0	0
Rickettsial disease	7	1	2	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	4	0	0	1	0	0	0	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0
Salmonellosis	1026	34	79	94	75	102	20	37	17	23	44	8	32	32	53	14	43	8	152	30	85	44
Shigellosis	103	3	15	15	25	8	0	3	1	0	1	0	1	3	6	1	2	1	8	1	6	3
Tuberculosis disease	312	7	53	59	74	15	4	12	7	0	10	2	6	11	19	0	4	2	21	4	1	1
Typhoid fever	28	0	6	10	8	2	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
VTEC/STEC infection	117	4	8	7	6	20	4	11	1	10	2	1	2	0	4	1	3	0	23	2	4	4
Yersiniosis	381	6	52	59	30	26	10	6	3	9	15	4	6	20	41	1	3	14	50	8	16	2
Total	19888	647	2135	2062	1820	1747	449	751	189	511	835	321	627	903	1974	211	486	305	2552	321	656	386

<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

“b] Uglj Y`dbYi a cVtVWU`X]gYUgY`VYVWla Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+h`C`WtVYf`&\$\$,`h`Y`gY`hc`HJ`g`UbX`fUH`g`UFY`XYf]j`YX`Zfca`h`Y`9d]Gi`fj`fYdcfhXUH`Ug`cddcgYX`hc`h`Y`YUf`Y]ghUj`Uj`UV`Y`XUH`i`gYX`]b`h`Y`a`Yb]b[`cVtVWU`X]gYUgY`gYVW]cb`cZ`h`Jg`fYdcfh`Bcb]gYUgcbU`]bZi`YbnU`fWUdUV`Y`cZ`fUbg`a`Jgg]cb`VYhk`YYb`\\i`a`Ub`VY]b[`gE`VYVWla`Y`Ub`]bZYVW]ci`g`bch]Z]UV`Y`X]gYUgY`cb`&-`5df)``&\$\$-`”

National Notifiable Disease Surveillance Data March 2010

Disease	Current Year - 2010 <sup>1</sup>			Previous Year - 2009		
	March 2010 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>	March 2009 Cases	Cumulative total since 1 January	Current 12 Month Rate <sup>2</sup>
Campylobacteriosis	571	2115	171.4	507	1892	159.9
Cryptosporidiosis	108	234	22.1	50	134	19.1
Dengue fever	5	11	1.9	18	69	3.5
Gastroenteritis <sup>3</sup>	38	121	16.1	69	141	15.2
Giardiasis	218	555	39.9	183	470	40.1
Haemophilus influenzae type b	1	5	0.3	1	1	0.1
Hazardous substances injury	3	3	0.3	0	1	0.2
Hepatitis A	6	14	1.1	2	9	1.9
<YdUh]hg`6	6	15	1.3	1	12	0.9
<YdUh]hg`7	2	4	0.6	3	11	0.6
⊕j Ug]j Y`dbYi a cWŁVWU`X]gYUgY	34	72	15.0	47	121	5.8
Lead absorption	17	47	7.5	39	92	8.2
Legionellosis	20	56	2.4	7	29	2.0
Leptospirosis	16	40	2.2	8	14	2.6
Listeriosis	1	11	0.8	1	6	0.6
Malaria	5	18	1.2	8	18	1.2
Measles	21	22	5.6	11	27	0.9
A Yb]b[ cWŁVWU`X]gYUgY	11	22	3.1	3	22	2.9
Mumps	13	23	1.9	3	5	1.2
Bcb`gYUgcbU`]bZi YbnU`5`fk`%B`%Ł`	1	4	85.1	0	0	0.0
Paratyphoid fever	0	4	0.5	5	9	0.5
Pertussis	105	296	31.5	116	335	16.0
Rheumatic fever	10	31	3.3	12	29	3.7
Rickettsial disease	0	2	0.2	0	0	0.2
Salmonellosis	114	337	23.8	158	440	30.2
Shigellosis	14	26	2.4	18	42	3.0
Tuberculosis disease	29	89	7.2	24	79	7.1
Typhoid fever	0	13	0.6	2	19	0.9
VTEC/STEC infection	15	42	2.7	28	68	3.3
Yersiniosis	35	112	8.8	48	162	11.5

<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 March 2010) or the previous year (12 months up to and including March 2009), expressed as cases per 100 000

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

‘C b`mUW`H Y`WUgYg`cZ`h.]g`X]gYUgY`UfY`W`ffYbhmbch]Z]UV`Y

‘⊕j Ug]j Y`dbYi a cWŁVWU`X]gYUgY`VYVWa`Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+h`C`WŁc`VYf`&\$\$,

‘H`YgY`hc`HJ`g`Ub`X`f`UH`g`UfY`XYf]j`YX`Zfca`‘h`Y`9d]Gi`fj`‘fYdcfhXUH`Ug`cddcgYX`‘c`‘h`Y`YUf`]YghUj`Uj`UV`Y`XUH`i`gYX`]b`‘h`Y`a`Yb]b[ cWŁVWU`X]gYUgY`gYVW]cb`cZ`h.]g`fYdcfh

‘Bcb!`gYUgcbU`]bZi`YbnU`fWUdUV`Y`cZ`h`fUbga`]gg]cb`VYhk`YYb`‘\i`a`Ub`VY]b[`gŁ`VYVWa`Y`Ub`]bZYVW]ci`g`bch]Z]UV`Y`X]gYUgY`cb`&-`‘5df]`‘&\$\$-`"

Other notifiable infectious disease reported in March: Taeniasis (1) , Tetanus (1)