
MONTHLY SURVEILLANCE REPORT

Data contained within this June monthly report is based on information recorded on EpiSurv by public health service staff up until 4 July 2005. As this information may be updated over time, the results should be regarded as provisional only.

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1. Key notifiable disease trends

- *Cryptosporidiosis*: a total of 33 cases of cryptosporidiosis was notified during June 2005 compared to 13 cases notified at the same time last year. Lakes DHB reported the highest number of cases (5). For the previous 12 months, Lakes, Waikato and South Canterbury DHB had the highest current incidence rates of 58.3, 49.1, 47.4 per 100 000 population (56, 156 and 25 cases), respectively. Among the cases for whom this information was recorded, 66.7% (6/9) had consumed food from a food premise, 50.0% (5/10) had faecal contact, 30.0% (3/10) had recreational water contact, and 12.5% (1/8) had consumed untreated water, during the incubation period. Two outbreaks were reported this month from Auckland involving eight cases.
- *Influenza*: during June (weeks 22 – 25), 1349 consultations for influenza-like illness were reported from 79 general practices (on average) in 21 out of 24 health districts. The average weekly consultation rate for June was 111.4 per 100 000 patient population, compared to a rate of 22.3 per 100 000 patient population during the same month last year (Figure 1). Eastern Bay of Plenty had the highest consultation rate (414.4 per 100 000), followed by Hawke's Bay (301.1 per 100 000). A total of 278 swabs were received for testing during June. Of these, 121 influenza viruses were identified, 97 as B/Hong Kong/330/2001-like, 12 as influenza B (yet to be antigenically typed), 11 as B/Shanghai/361/2002-like, and one as A/California/7/2004-like.

In addition, 243 influenza viruses were reported from the laboratory-based (non-sentinel) surveillance in June. Of these, 126 were identified as B/Hong Kong/330/2001-like, 74 as influenza B (yet to be antigenically typed), 23 as B/Shanghai/361/2002-like, 14 as B/Sichuan/379/99-like, three as A/California/7/2004-like, two as A/Wellington/1/2004-like, and one as influenza A (yet to be sub-typed).

- *Meningococcal disease*: based on earliest date available¹, 25 cases of meningococcal disease were notified during June 2005, of which 22 (88.0%) were laboratory-confirmed. In comparison, 21 cases were notified the previous month, and 27 cases were notified during June 2004. For the previous 12 months, Tairāwhiti DHB recorded the highest current rate of 20.5 per 100 000 population (9 cases). Counties Manukau DHB recorded the highest number of cases (44) with a current rate of 11.7 per 100 000 population. The rate of disease was highest amongst infants aged less than one year (62.2 per 100 000 population, 34 cases), followed by those in the 1-4 years age group (38.9 per 100 000 population, 84 cases).
- *Pertussis*: 187 cases of pertussis were notified in June 2005, of whom 42 (22.5%) were laboratory confirmed. Pertussis numbers have decreased from the peak in November 2004 with 613 cases (Figure 2). Canterbury DHB had the highest number of cases (58). For the previous 12 months, Southland DHB had the highest incidence rate of 750.9 per 100 000 population (776 cases), compared to a national rate of 114.5 per 100 000 population. Hospitalisation data was recorded for 139 cases of whom 9 (6.5%) were hospitalised. The rate by age group for the previous 12 months was highest amongst infants aged less than one year (365.9 per 100 000 population), followed by the children in the 5-9 years age group (235.5), and children in the 10-14 years age group (226.7).
- *Salmonellosis*: 96 salmonellosis cases notified in June 2005, compared with 73 cases at the same time last year. Nelson-Marlborough DHB had the highest number of cases (24). For the previous 12 months, Southland DHB had the highest incidence rate of 69.7 per 100 000 population (72 cases), compared to a national rate of 32.2 per 100 000 population. Hospitalisation data was recorded for 51 cases of whom 5 (9.8%) were hospitalised. The rate of disease was highest amongst children aged between 1-4 years (114.7 per 100 000 population, 248 cases), followed by infants aged less than one year (104.3 per 100 000 population, 57 cases). Among the cases for whom this information was recorded, 38.5% (5/13) had recreational water contact, and 33.3% (3/9) had consumed food from a food premise during the incubation period.

2. Deaths from notifiable diseases

The table below shows the deaths from notifiable diseases in June. One death was reported this month.

Disease	District Health Board	Age group	Sex
Meningococcal disease	Counties Manukau	40-49 yrs	F

¹ 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.

3. Trends in selected diseases to June 2005

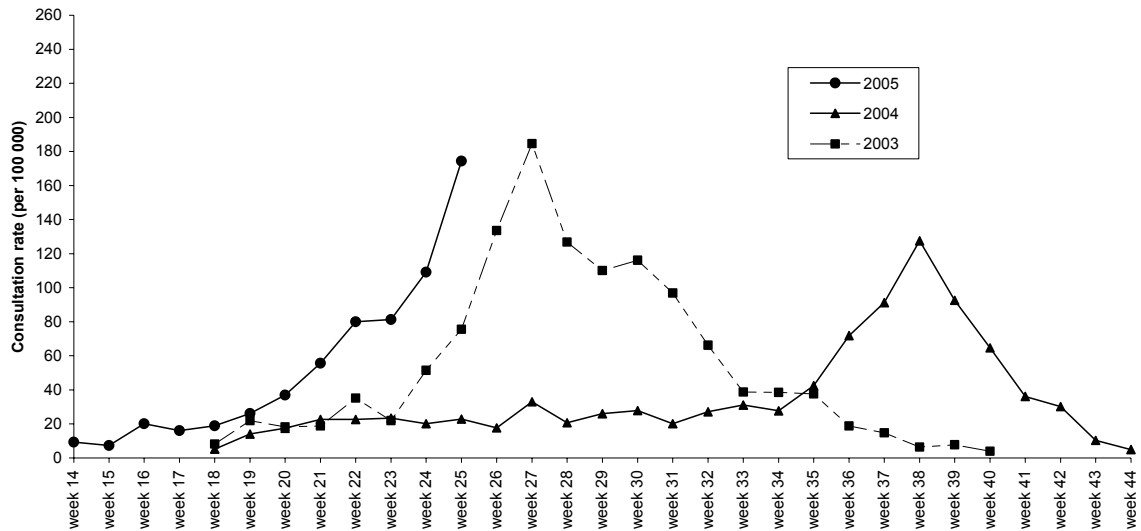


Figure 1: Weekly consultation rates for influenza-like illness in New Zealand, 2003, 2004 and 2005

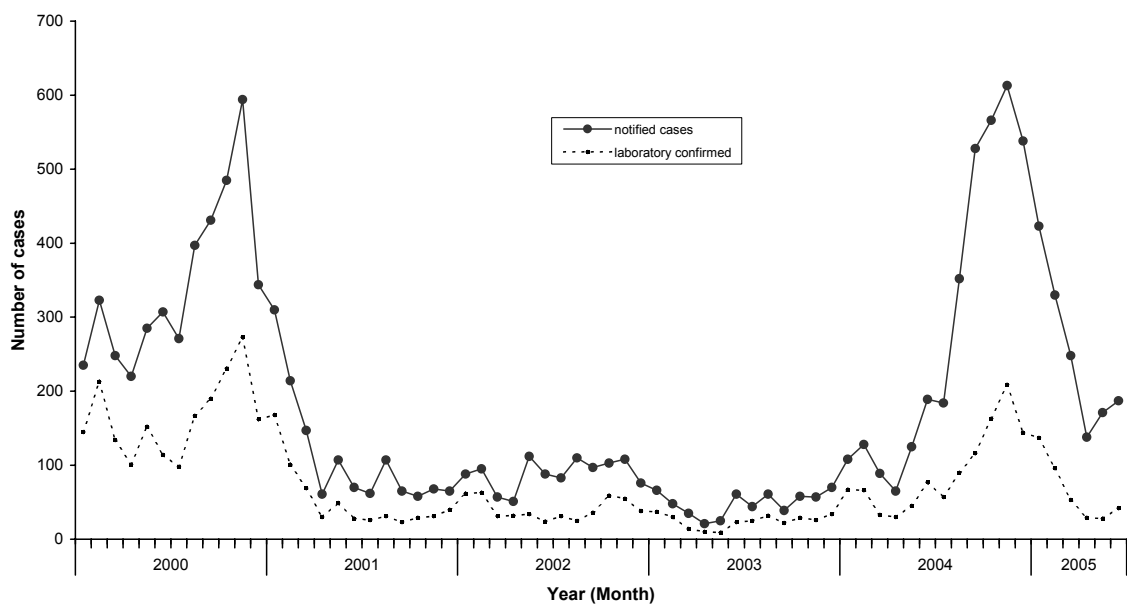


Figure 2: Pertussis notifications and laboratory confirmed cases by month, January 2000 to June 2005

4. Data Tables

Disease incidence and rates

Disease ¹	Current year - 2005 ²			Previous year - 2004		
	Jun 2005 cases	Cumulative total since 1 January	Current rate ³	Jun 2004 cases	Cumulative total since 1 January	Previous rate ³
AIDS	0	33	1.6	2	14	0.8
Campylobacteriosis	739	5620	317.5	842	5967	382.3
Cryptosporidiosis	33	253	20.5	13	98	18.0
Dengue fever	2	5	0.1	2	8	0.3
Gastroenteritis ⁴	55	332	25.7	147	734	33.3
Giardiasis	91	635	35.7	129	816	42.4
<i>H. influenzae</i> type b disease	0	3	0.2	1	1	0.2
Hepatitis A	2	20	1.0	2	32	1.7
Hepatitis B (acute) ⁵	5	26	1.2	2	20	1.3
Hepatitis C (acute) ⁵	7	17	0.7	0	15	1.1
Hydatid disease	0	0	0	0	0	0
Influenza ⁶	278	348	32.6	6	17	26.4
Lead absorption	10	41	2.3	7	49	2.5
Legionellosis	2	40	1.7	4	38	2.2
Leprosy	0	1	0.1	0	1	0.1
Leptospirosis	7	41	2.2	10	60	3.2
Listeriosis	0	8	0.5	1	15	0.7
Malaria	2	25	1.0	1	19	1.2
Measles	1	7	0.6	1	17	1.6
Meningococcal disease ⁷	30	118	8.7	25	135	12.1
Mumps	5	23	1.4	4	17	1.3
Paratyphoid fever	2	15	0.7	2	16	0.7
Pertussis	187	1497	114.5	189	704	27.6
Rheumatic fever	4	33	1.8	11	39	3.6
Rickettsial disease	0	0	0	0	1	0.1
Rubella	1	6	0.5	1	12	0.7
Salmonellosis	96	714	32.2	73	592	32.2
SARS	0	0	0	0	0	0
Shigellosis	11	66	3.8	10	64	2.8
Tetanus	0	1	0.1	0	0	0
Tuberculosis	35	186	10.5	25	164	10.6
Typhoid fever	7	21	0.9	6	19	0.7
VTEC / STEC infection	4	57	2.6	6	49	2.4
Yersiniosis	24	189	9.2	37	264	13.5

Notes: ¹ Other notifiable infectious diseases reported in June : Nil

² These data are provisional

³ Rate is based on the cumulative total for the current year (12 months up to and including June 2005) or the previous year (12 months up to and including June 2004), expressed as cases per 100 000

⁴ Cases of gastroenteritis from a common source or foodborne intoxication. Eg: staphylococcal intoxication

⁵ Only acute cases of this disease are currently notifiable

⁶ Surveillance data based on laboratory-reported cases only (as reported in ESR's Virology Weekly Reports)

⁷ These totals and rates are based on the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section

Monthly totals for June 2005 and preceding 12 months

Disease	Jun 2005	May 2005	Apr 2005	Mar 2005	Feb 2005	Jan 2005	Dec 2004	Nov 2004	Oct 2004	Sep 2004	Aug 2004	Jul 2004	Jun 2004
AIDS	0	12	7	3	6	5	6	3	5	4	3	4	2
Campylobacteriosis	739	746	728	767	1288	1352	1389	1278	928	916	909	827	842
Cryptosporidiosis	33	45	52	66	44	13	20	87	185	160	50	12	13
Dengue fever	2	0	0	0	2	1	0	0	0	0	0	0	2
Gastroenteritis ²	55	51	37	70	42	77	83	129	134	105	91	87	147
Giardiasis	91	117	100	132	116	79	111	141	104	102	106	134	129
Haemophilus influenzae type b	0	1	1	1	0	0	1	0	0	1	0	1	1
Hepatitis A	2	0	2	5	7	4	3	1	2	2	4	5	2
Hepatitis B (acute) ³	5	5	8	1	2	5	2	2	1	2	4	7	2
Hepatitis C (acute) ³	7	3	0	2	2	3	1	1	2	1	1	3	0
Hydatid disease	0	0	0	0	0	0	0	1	0	0	0	0	0
Influenza ⁴	278	45	15	5	4	1	0	21	153	626	57	13	6
Lead absorption	10	5	7	11	5	3	7	9	7	7	8	8	7
Legionellosis	2	10	6	6	8	8	2	7	4	2	5	4	4
Leprosy	0	0	0	0	0	1	0	0	1	0	0	1	0
Leptospirosis	7	3	9	8	7	7	6	5	6	10	9	7	10
Listeriosis	0	0	0	2	3	3	2	2	2	2	2	1	1
Malaria	2	6	5	3	5	4	2	3	1	2	3	3	1
Measles	1	3	0	1	2	0	8	2	3	1	1	1	1
Meningococcal disease ⁵	30	17	20	16	15	20	18	27	36	54	38	35	25
Mumps	5	4	3	5	3	3	3	7	3	5	7	3	4
Paratyphoid fever	2	2	2	3	3	3	0	2	2	5	0	3	2
Pertussis	187	171	138	248	330	423	538	613	566	528	352	184	189
Rheumatic Fever	4	5	3	9	10	2	3	6	9	3	11	4	11
Rickettsial disease	0	0	0	0	0	0	0	0	0	0	1	0	0
Rubella	1	3	0	1	1	0	3	2	1	3	2	1	1
Salmonellosis	96	100	149	145	140	84	79	94	92	71	91	61	73
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	11	19	7	10	11	8	11	22	6	8	19	10	10
Tetanus	0	0	0	0	1	0	0	0	0	1	0	0	0
Tuberculosis	35	32	36	35	24	24	42	32	38	29	38	29	25
Typhoid fever	7	2	1	4	2	5	0	1	3	5	0	3	6
VTEC/STEC infection	4	6	24	11	8	4	6	7	6	8	9	4	6
Yersiniosis	24	33	30	25	37	40	27	26	25	19	28	31	37

Notes: ¹ Later data are provisional

² Cases of gastroenteritis from a common source or foodborne intoxication eg, staphylococcal intoxication or toxic shellfish poisoning

³ Only acute cases of this disease are currently notifiable

⁴ Surveillance data based on laboratory-reported cases only (as reported in ESR's Virology Weekly Reports)

⁵ These totals are based on the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section

Surveillance data by District Health Board - June 2005

Cases this month

Current rate¹

Disease	Cases for June 2005, ² and current rate ^{1,2} by District Health Board ^{3,4}																				
	Northland	Waitemata	Auckland	Counties Manukau	Waikato	Lakes	Bay of Plenty	Tairāwhiti	Taranaki	Hawke's Bay	Whanganui	MidCentral	Hutt	Capital and Coast	Wairarapa	Nelson-Marlborough	West Coast	Canterbury	South Canterbury	Otago	Southland
AIDS ⁵	0	0			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.4	3.5			1.3	0	1.1	0	0	1.4	0	0	0.8	0	0.8	0.8	4.4	0	0	0	1.0
Campylobacteriosis	13	78	95	57	43	14	21	4	9	30	10	20	28	61	3	20	4	152	19	36	22
	222.6	368.3	363.3	280.1	333.9	220.9	225.1	220.7	255.2	284.2	194.9	180.0	292.8	332.7	193.7	247.4	231.3	340.7	661.2	436.3	521.6
Cryptosporidiosis	1	1	2	4	4	5	1	0	0	4	0	1	0	2	0	1	0	4	1	1	1
	18.6	6.7	6.8	7.2	49.1	58.3	8.4	15.9	13.6	20.9	26.7	36.1	9.1	23.2	41.9	18.0	23.1	23.4	47.4	26.4	24.2
Dengue fever	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0.7	0	0.3	0	0.3	0	0	0	0	0	0	0.6	0	0	0	0	0	0.2	0	0	0
Gastroenteritis	0	6	5	3	0	0	2	0	0	0	1	20	2	5	0	0	0	8	1	2	0
	2.9	20.9	23.1	16.2	76.8	50.0	2.8	0	6.8	4.9	20.4	27.1	19.7	30.9	28.8	14.7	6.6	39.8	13.3	18.2	13.5
Giardiasis	4	8	12	13	3	6	1	1	1	7	2	2	3	11	3	0	1	7	0	1	5
	27.8	40.3	58.2	31.2	43.4	44.8	34.2	66.0	11.6	36.2	31.4	24.5	28.8	45.6	47.1	31.0	16.5	30.0	11.4	18.2	20.3
H. influenzae type b disease	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0.3	0.8	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0.2	0	0	0
Hepatitis A	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1.4	1.4	1.9	0.6	2.1	0.6	2.3	2.9	0.7	0	0	0	0	0	0	3.3	1.2	0	1.2	1.0
Hepatitis B	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0
	1.4	2.1	1.4	1.9	1.6	0	0.6	6.8	1.0	0	0	0	0	0.8	0	1.6	0	0.7	1.9	1.8	0
Hepatitis C	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	5	0	0	0
	0.7	0	0.8	0.3	0	1.0	0	2.3	0	0	0	0	1.5	0	2.6	1.6	6.6	2.8	0	0	0
Hydatids disease	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	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lead absorption	0	0	0	0	0	0	0	0	1	0	0	2	0	1	0	1	0	2	0	3	0
	0.7	1.6	1.6	0.5	3.1	1.0	0.6	9.1	4.9	0.7	6.3	3.2	2.3	2.8	2.6	1.6	3.3	2.1	5.7	8.2	0
Legionellosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	1.4	4.2	1.4	1.3	0.9	0	2.2	0	1.9	0.7	1.6	2.6	4.6	0.4	2.6	0.8	0	1.9	1.9	0.6	0
Leprosy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0.3	0	0	0	0	0	0	0	0	0.8	0.4	0	0	0	0	0	0	0
Leptospirosis	0	0	0	0	1	0	0	0	2	1	0	1	0	0	0	0	1	0	0	0	1
	0.7	0.2	0.3	0.3	3.5	1.0	3.9	6.8	2.9	11.8	4.7	5.8	0	0.8	5.2	4.1	13.2	0.9	1.9	1.8	4.8
Listeriosis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	1.1	1.1	0.3	1.0	0.6	0	0	0.7	0	0.6	0.8	0.8	2.6	1.6	0	0	0	0	0
Malaria	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.9	0.5	2.9	1.9	0	0	0	0	0.7	0	0	0.8	2.4	0	0.8	0	1.2	0	0	1.9
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0	0.9	0	0.3	0	1.0	1.7	0	1.0	0.7	1.6	0.6	0.8	0	2.6	0.8	9.9	0.9	0	0	0
Meningococcal disease ⁵	1	1	2	7	3	1	1	0	2	1	0	6	0	0	1	0	0	1	0	2	1
	12.8	9.8	7.1	11.7	10.4	13.5	6.2	20.5	6.8	12.5	6.3	14.2	0.8	8.1	7.9	4.1	9.9	5.6	3.8	8.2	6.8
Mumps	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2	0	1	0
	2.9	0.7	1.1	1.1	0.9	1.0	1.1	2.3	1.0	2.1	3.1	0.6	0	2.8	2.6	2.4	3.3	1.2	3.8	1.2	1.0
Paratyphoid fever	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0.7	0.2	0.5	1.6	0.6	2.1	0	0	0	1.4	0	0	3.0	0.8	2.6	0.8	0	0.7	0	0	0
Pertussis	1	1	1	2	29	2	16	1	1	0	0	5	1	2	0	9	2	58	10	29	17
	37.8	21.6	22.6	22.1	186.0	107.3	83.1	36.4	18.4	11.8	3.1	36.8	48.5	39.5	15.7	449.1	105.7	254.3	261.5	154.6	750.9
Rheumatic fever	1	0	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	9.3	0.5	0.5	1.9	3.1	1.0	5.1	4.6	0	3.5	0	0.6	3.8	4.5	0	0.8	0	0	0	0	0
Rickettsial disease	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	0.6	0
Rubella	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	0.7	0.5	0.3	0.3	0	0	0	0	2.9	1.4	0	0	0.8	0.4	0	1.6	6.6	0.5	0	0	0
Salmonellosis	3	2	11	11	13	2	5	2	1	0	0	0	1	1	1	24	1	11	2	3	2
	25.0	25.4	29.4	25.6	32.1	16.7	30.3	31.9	24.3	31.3	42.4	15.5	25.0	26.8	65.4	62.1	23.1	37.5	47.4	48.6	69.7
SARS	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	0	0
Shigellosis	0	4	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0
	1.4	4.7	7.1	4.0	2.2	1.0	0.6	0	0	0	3.1	0	10.6	3.7	5.2	1.6	0	8.2	1.9	2.3	1.0
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0.3	0	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	4	9	6	6	0	0	0	0	0	0	0	1	0	6	0	1	0	2	0	0	0
	10.0	13.5	22.8	17.3	7.6	2.1	2.8	0	3.9	10.4	3.1	8.4	6.1	20.3	10.5	4.9	9.9	6.1	3.8	3.5	2.9
Typhoid fever	0	0	1	5	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0.2	1.6	5.3	0	1.0	0	0	0	0	0	0	2.3	0.4	0	0	0	0.2	0	0	0
VTEC / STEC	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	2.9	0.7	1.9	1.3	6.9	2.1	6.7	4.6	1.9	3.5	1.6	0	1.5	1.6	0	3.3	3.3	0.9	5.7	5.3	4.8
Yersiniosis	0	1	2	3	0	1	0	0	1	1	0	1	0	3	0	2	1	5	2	1	0
	5.0	8.6	14.1	7.2	9.8	5.2	4.5	11.4	6.8	9.8	15.7	3.9	6.1	11.8	2.6	5.7	56.2	10.1	15.2	10.0	5.8

1 Current rate is based on the cumulative total for the 12 months up to and including June 2005 expressed as cases per 100 000

2 These data are provisional

3 AIDS data is reported for the greater Auckland and Wellington areas, rather than by District Health Board

4 Further data are available from the local medical officer of health

5 These totals and rates are derived from the EpiSurv report date as opposed to the earliest available date used in the meningococcal disease section.