

MONTHLY SURVEILLANCE REPORT

Data contained within this June monthly report is based on information recorded on EpiSurv by public health service staff up until 5 July 2004. 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

- *Campylobacter*: a total of 843 cases was notified in June 2004 of whom 798 (94.7%) were confirmed. The June 2004 total of 843 cases is the highest June monthly total since 1996. Among June cases for whom this information was recorded, 53 (62.4%) cases consumed food from a food premise, 31 (32.6%) reported contact with farm animals, and 12 (14.1%) reported contact with other symptomatic people during the incubation period. Capital and Coast recorded the highest current rate of 559.6 per 100 000 population compared to the national rate of 382.2 per 100 000 population.
- *Cholera*: two cases of cholera were notified in June. The cases were both males in the 1-4 and 40-49 years age groups from Lakes and Counties Manukau DHBs respectively. Both cases had been to India. Both cases were due to *Vibrio cholerae* 01 biotype El Tor, subtype Ogawa.
- *Influenza*: during June, 318 consultations for influenza-like illness were reported from 84 general practices (on average) in 22 out of 24 health districts. The average weekly consultation rate for June was 22.3 per 100 000 patient population, compared to a rate of 70.7 per 100 000 patient population during the same month last year. Otago had the highest consultation rate (103.1 per 100 000), followed by Eastern Bay of Plenty (97.5 per 100 000) (see graph Section 3). A total of 83 swabs were received for testing during June. Of these, one was identified as influenza A virus (yet to be subtyped) from North West Auckland.
- *Meningococcal disease*: based on earliest¹ date available, 27 cases of meningococcal disease were notified during June 2004, of which 23 (85.2%) were laboratory-confirmed. In comparison, 28 cases were notified the previous month, and 57 cases were notified during June 2003 (see graph Section 3). In June 2004, Counties Manukau DHB recorded the highest current rate of 24.2

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 in this section.

per 100 000 population. The current rate of disease was highest amongst infants aged less than one year with a rate of 115.3 per 100 000 population, compared to a national rate of 12.2 per 100 000 population. One death was reported this month from Tairāwhiti DHB.

- *Pertussis*: during June 2004 there were 182 pertussis notifications, compared to 129 cases the previous month, and 61 cases during June the previous year (see graph Section 3). Of the 182 June 2004 cases, 66 (36.3%) were laboratory-confirmed. Eight cases (5.5% or 8/146) had been hospitalised with one death reported from Counties Manukau DHB. Otago DHB had the highest current incidence rate of 83.2 per 100 000 population (56 cases), compared to a national rate of 27.6 per 100 000 population. The current rate by age group was highest amongst infants aged less than one year (203.1 per 100 000 population), followed by the children in the 1-4 years age group (85.6), and children in the 5-9 years age group (78.6).
- *Shigellosis*: 10 shigellosis cases were notified in June 2004 compared to seven notified cases at the same time last year. The total so far this year of 65 cases is higher than the 45 cases for the same period last year. The cases were from Capital and Coast (3), Counties Manukau (2), Bay of Plenty (2), Auckland (1), Waikato (1), and Canterbury (1) DHBs. The ESR Enteric Reference Laboratory received isolates from nine of the 10 cases. The species involved were: *Shigella flexneri* 3a (4 cases), *S. flexneri* 2a (3), *S. flexneri* 6 (1), and *S. sonnei* Biotype g (1). Overseas travel was recorded for eight of the cases, of which five had been overseas during the incubation period. The countries visited were: Cambodia, Cuba, Samoa, South Africa, and Thailand.
- *Typhoid*: six confirmed cases of typhoid were notified this month. The species involved were: *Salmonella* Typhi phage type E1a (3 cases), *S. Typhi* phage type Untypable (2 cases), and *S. Typhi* phage type E2 variant (1 case). This brings the total number of cases notified to date to 19. The current rate of 0.7 per 100 000 population is slightly lower than the previous rate of 0.5 per 100 000 population. Travel information was recorded for four of the cases. The countries visited were: India (2 cases), Cambodia (1), and Samoa (1). Ethnicity was recorded for four of the cases, of whom three were of 'Other' ethnicity, and one was Pacific Peoples. The cases ranged in age from 9 to 44 years.
- *Yersiniosis*: 38 cases of yersiniosis were notified in June, compared to 18 notified cases at the same time last year. The current rate of 13.5 per 100 000 population is higher than the previous rate of 11.0 per 100 000 population. West Coast with a current rate of 46.3 per 100 000 population is well above average for New Zealand.

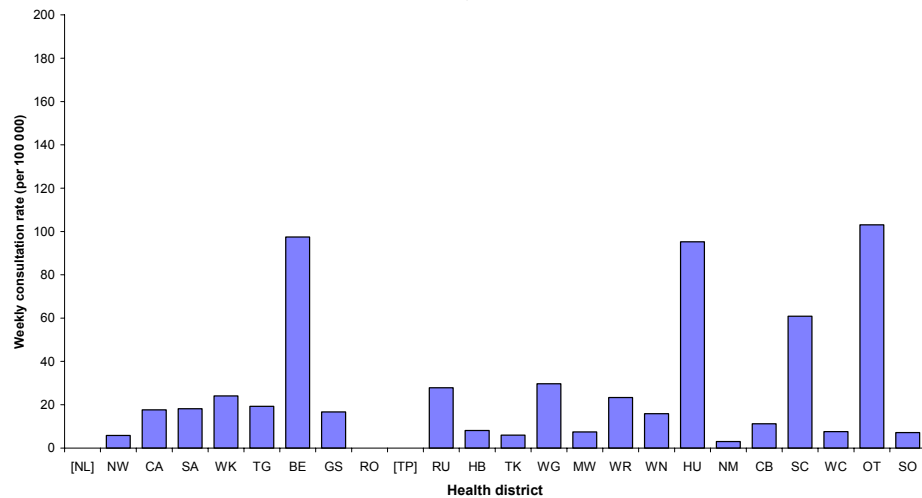
2. Deaths from notifiable diseases

The table below shows the deaths from notifiable diseases in June. Three deaths were reported this month.

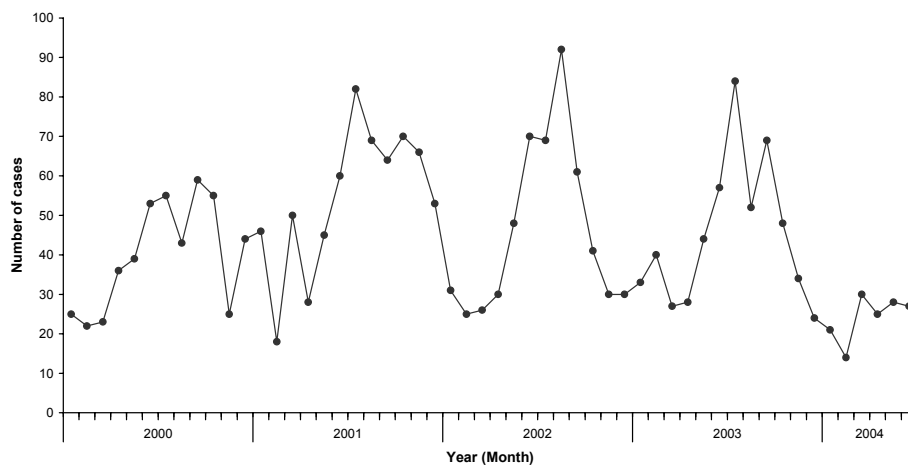
Disease	District Health Board	Age group	Sex
Meningococcal disease	Tairāwhiti	< 1 year	Male
Pertussis	Counties Manukau	< 1 year	Male
Tuberculosis disease	Waitemata	70+	Male

3. Trends in selected diseases to June 2004

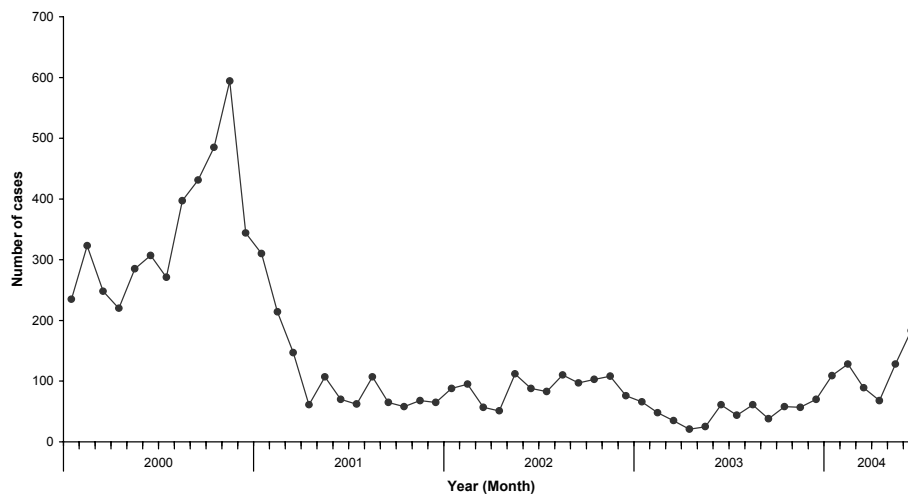
Average weekly consultation rates for influenza-like illness by health district, June 2004



Meningococcal diseases notifications by month, January 2000 - June 2004



Pertussis notifications by month, January 2000 - June 2004



4. Data Tables

Disease incidence and rates

Disease ¹	Current year - 2004 ²			Previous year - 2003		
	Jun 2004 cases	Cumulative total since 1 January	Current rate ³	Jun 2003 cases	Cumulative total since 1 January	Previous rate ³
AIDS	2	14	0.9	3	16	0.6
Campylobacteriosis	843	5962	382.2	750	6470	354.6
Cryptosporidiosis	12	97	18.0	29	244	27.5
Dengue fever	2	8	0.3	3	50	2.2
Gastroenteritis ⁴	106	693	32.2	121	516	28.9
Giardiasis	131	820	42.5	153	802	40.0
<i>H. influenzae</i> type b disease	1	1	0.2	1	5	0.1
Hepatitis A	3	33	1.8	5	37	1.5
Hepatitis B (acute) ⁵	2	20	1.3	5	31	1.7
Hepatitis C (acute) ⁵	0	17	1.1	2	15	1.1
Hydatid disease	0	0	0	0	0	0.1
Influenza ⁶	6	17	26.4	72	83	15.4
Lead absorption	7	50	2.6	11	73	3.1
Legionellosis	5	41	2.3	8	33	1.6
Leprosy	0	1	0.1	0	2	0.1
Leptospirosis	12	63	3.3	8	54	3.2
Listeriosis	1	14	0.6	2	14	0.7
Malaria	1	19	1.2	3	21	1.2
Measles	2	24	1.7	5	26	1.0
Meningococcal disease ⁷	26	146	12.4	52	225	14.8
Mumps	4	18	1.3	2	24	1.5
Paratyphoid	2	12	0.6	0	8	0.4
Pertussis	182	705	27.6	61	256	22.3
Rheumatic fever	2	30	3.3	2	56	2.6
Rickettsial disease	0	0	0	0	0	0.1
Rubella	1	12	0.7	2	10	0.6
Salmonellosis	74	599	32.4	79	790	40.1
SARS	0	0	0	0	0	0
Shigellosis	10	65	2.9	7	45	2.4
Tetanus	0	0	0	1	2	0.1
Tuberculosis	27	173	10.9	30	190	11.0
Typhoid	6	19	0.7	1	12	0.5
VTEC / STEC infection	6	49	2.4	3	62	2.5
Yersiniosis	38	265	13.5	18	200	11.0

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

² These data are provisional

³ Rate is based on the cumulative total for the current year (12 months up to and including June 2004) or the previous year (12 months up to and including June 2003), expressed as cases per 100 000

⁴ Cases of gastroenteritis from a common source or foodborne intoxication eg, staphylococcal intoxication or toxic shellfish poisoning

⁵ Only acute cases of this disease are currently notifiable

⁶ Surveillance data based on laboratory-reported cases only

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 2004 and preceding 12 months

Disease	Jun 2004	May 2004	Apr 2004	Mar 2004	Feb 2004	Jan 2004	Dec 2003	Nov 2003	Oct 2003	Sep 2003	Aug 2003	Jul 2003	Jun 2003
AIDS	2	0	3	2	4	3	5	2	0	5	1	5	3
Campylobacteriosis	843	668	676	1205	1075	1495	1542	1471	1454	1389	1394	1070	750
Cryptosporidiosis	12	18	10	21	19	17	30	92	195	181	60	16	29
Dengue fever	2	0	0	3	1	2	0	1	0	0	1	3	3
Gastroenteritis ²	106	113	198	87	72	117	89	127	66	110	45	73	121
Giardiasis	131	122	118	150	156	143	138	122	129	129	139	110	153
Haemophilus influenzae type b	1	0	0	0	0	0	1	0	0	1	3	2	1
Hepatitis A	3	6	6	5	7	6	5	3	5	8	7	5	5
Hepatitis B (acute) ³	2	4	1	2	8	3	2	4	5	4	9	6	5
Hepatitis C (acute) ³	0	4	0	5	8	0	4	3	2	9	3	4	2
Hydatid disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Influenza ⁴	6	2	2	0	4	3	2	1	28	29	264	645	72
Lead absorption	7	10	6	10	7	10	2	9	10	8	11	6	11
Legionellosis	5	8	8	5	11	4	17	5	7	5	2	8	8
Leprosy	0	0	1	0	0	0	0	0	2	0	0	0	0
Leptospirosis	12	10	11	13	9	8	8	15	7	16	9	5	8
Listeriosis	1	1	2	4	3	3	2	3	0	1	2	2	2
Malaria	1	3	4	2	6	3	3	6	2	7	2	5	3
Measles	2	2	5	5	2	8	12	5	8	5	4	7	5
Meningococcal disease ⁵	26	31	26	30	12	21	27	34	51	66	51	88	52
Mumps	4	1	2	1	5	5	8	5	3	5	1	10	2
Paratyphoid	2	2	2	3	3	0	4	1	1	2	1	1	0
Pertussis	182	129	68	89	128	109	70	57	58	38	61	44	61
Rheumatic Fever	2	3	5	5	12	3	10	2	16	14	35	18	2
Rickettsial disease	0	0	0	0	0	0	0	0	0	0	1	0	0
Rubella	1	3	1	3	1	3	3	1	2	2	6	2	2
Salmonellosis	74	81	88	116	98	142	126	87	114	106	106	72	79
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	10	12	9	12	8	14	7	6	10	2	2	15	7
Tetanus	0	0	0	0	0	0	0	0	0	0	0	0	1
Tuberculosis	27	37	27	35	27	20	42	40	45	45	28	33	30
Typhoid	6	2	1	2	5	3	0	2	1	0	3	2	1
VTEC/STEC infection	6	5	3	6	16	13	5	8	16	2	5	6	3
Yersiniosis	38	43	34	40	45	65	40	41	43	45	35	35	18

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

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 2004

Cases this month

Current rate¹

Disease	Cases for June 2004, 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	1			0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0.7	1.8			0.3	0	0.6	0	0	0.7	0	0	1.1	0	0	0	1.1	4.4	0	0.6	0
Campylobacteriosis	22	116	110	91	68	16	22	6	14	26	7	15	33	70	5	20	8	93	22	48	31
	215.5	390.0	395.1	307.8	478.7	436.5	311.0	300.4	416.3	436.7	358.4	227.8	494.5	559.6	358.6	249.8	323.8	404.8	432.0	338.5	317.4
Cryptosporidiosis	1	0	1	1	4	0	0	0	0	0	0	2	0	0	0	0	0	1	0	1	1
	14.3	4.7	3.5	5.1	47.2	42.7	12.3	15.9	9.7	32.0	23.6	31.0	5.3	6.1	26.2	15.5	33.0	15.9	87.2	32.2	29.0
Dengue fever	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.2	0.3	0.3	1.3	0	0.6	0	1.0	0	0	0	0	0.8	0	0	0	0	0	0.6	1.0
Gastroenteritis	0	7	7	3	9	0	1	0	0	0	0	30	1	5	1	2	1	15	0	2	22
	5.0	20.5	25.0	18.1	73.6	8.3	1.7	0	7.8	2.1	11.0	45.8	25.8	32.1	13.1	9.8	19.8	50.3	161.0	41.6	103.5
Giardiasis	1	14	16	14	20	6	4	1	0	9	2	2	5	5	0	1	3	17	5	3	3
	23.5	39.1	59.8	33.6	70.2	65.6	34.8	29.6	18.4	51.5	31.4	30.3	47.0	60.6	18.3	40.0	59.5	36.3	20.8	26.9	21.3
H. influenzae type b disease	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	1.4	0	0	0.5	0	0	0.6	0	0	0.7	0	0	0.8	0	0	0	0	0.2	0	0	0
Hepatitis A	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
	0	2.3	3.5	4.8	0.6	2.1	0.6	4.6	0	0.7	1.6	0.6	0	2.8	0	1.6	3.3	0.5	0	1.8	0
Hepatitis B	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
	1.4	2.1	1.4	1.9	1.3	6.3	1.1	2.3	0	2.1	0	0	0.8	0.8	0	0.8	0	0.9	1.9	1.2	0
Hepatitis C	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1.2	1.1	0.5	0	1.0	3.9	6.8	0	0.7	0	1.3	0.8	1.2	10.5	0	9.9	1.2	0	0	1.0
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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lead absorption	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	2
	2.9	1.4	2.4	0.3	2.8	2.1	0.6	4.6	1.0	3.5	4.7	5.2	0	3.3	2.6	0.8	0	2.6	5.7	7.6	7.7
Legionellosis	0	0	1	1	1	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
	1.4	3.7	3.5	3.7	1.3	0	2.8	2.3	1.0	0	0	0.6	3.0	4.1	5.2	0.8	3.3	0.7	3.8	2.3	1.0
Leprosy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.2	0.3	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Leptospirosis	0	0	0	0	2	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	7
	4.3	0	0	0.8	7.9	4.2	1.1	13.7	5.8	10.4	1.6	7.1	0	0	2.6	6.5	16.5	2.8	1.9	0.6	15.5
Listeriosis	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	1.4	0.5	0	1.3	2.1	0.6	0	0	0	0	0.6	0	1.2	0	0	0	0.2	0	1.2	1.9
Malaria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	0.7	1.4	1.9	1.3	1.3	0	0	0	0	1.4	4.7	0	2.3	1.6	0	0.8	0	0.9	0	1.8	1.0
Measles	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	0	0.9	1.6	0.3	0.3	0	0	0	0	1.4	1.6	7.7	5.3	0.8	2.6	6.5	16.5	1.2	3.8	0	7.7
Meningococcal disease ⁹	0	2	4	4	0	0	2	2	1	0	1	2	2	1	0	0	0	4	0	1	0
	18.6	11.2	15.2	24.2	10.1	21.9	20.2	15.9	6.8	12.5	23.6	5.8	9.1	7.7	5.2	0.8	0	6.8	1.9	14.1	8.7
Mumps	0	0	0	1	0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0
	3.6	0.5	0	0.5	0.3	0	0	2.3	0	2.1	9.4	1.9	2.3	3.3	0	2.4	0	1.9	0	2.9	0
Paratyphoid	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.7	1.2	1.1	0.8	0.6	0	0.6	0	0	0.7	0	0	0	0.4	0	0	0	0.9	0	0	0
Pertussis	1	5	4	7	27	4	7	4	2	9	0	5	2	3	0	11	1	23	1	56	10
	39.2	19.3	15.5	14.4	49.1	29.2	33.7	38.7	9.7	43.9	1.6	12.3	13.7	11.4	0	43.3	9.9	28.1	66.3	83.2	30.0
Rheumatic fever	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7.1	1.6	6.8	13.3	2.2	1.0	3.9	9.1	0	4.2	1.6	0	3.0	1.2	0	0	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	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rubella	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1.4	0.2	0.3	0.3	0	1.0	1.1	0	0	2.8	1.6	0.6	0.8	1.2	2.6	1.6	9.9	0.5	0	1.2	0
Salmonellosis	1	8	9	6	12	2	5	0	6	3	1	2	4	3	2	1	2	6	0	1	0
	25.0	21.6	32.9	34.6	38.1	26.0	31.4	29.6	30.1	50.8	28.3	14.2	21.2	31.7	31.4	35.9	19.8	34.7	68.2	43.9	43.5
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	0	1	2	1	0	2	0	0	0	0	0	0	3	0	0	0	1	0	0	0
	1.4	3.3	6.5	8.5	1.6	1.0	1.7	0	0	0	3.1	0	0.8	3.7	2.6	0.8	3.3	1.6	0	1.8	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	0	4	2	4	5	0	0	0	0	1	0	1	1	7	0	0	0	0	0	2	0
	5.7	14.2	18.2	17.6	9.8	7.3	6.7	2.3	12.6	17.4	4.7	6.5	12.9	18.7	7.9	3.3	0	4.2	1.9	5.9	2.9
Typhoid	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	0	0.5	1.9	2.9	0.6	0	0.6	0	0	0.7	0	0	0	0.8	0	0.8	0	0	0	0	0
VTEC / STEC	0	0	0	0	4	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2.1	1.2	0.8	1.6	7.2	3.1	5.1	2.3	8.7	0.7	0	1.3	0	0.8	0	4.1	0	2.6	1.9	3.5	1.0
Yersiniosis	0	6	7	3	3	0	0	1	0	2	0	2	2	4	0	0	3	4	0	1	0
	2.1	19.3	18.2	8.8	14.5	10.4	9.5	22.8	4.9	17.4	7.9	7.7	19.0	18.3	15.7	8.2	46.3	13.8	15.2	8.8	5.8

1 Current rate is based on the cumulative total for the 12 months up to and including June 2004 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.