

MONTHLY SURVEILLANCE REPORT

Data contained within this January monthly report is based on information recorded on EpiSurv by public health service staff up until 7 February 2005. As this information may be updated over time, the results should be regarded as provisional only.

Table of contents

1. Key notifiable disease trends	1
2. Deaths from notifiable diseases	2
3. Trends in selected diseases to January 2005	3
4. Data Tables	4

1. Key notifiable disease trends

- *Legionellosis*: eight cases of legionellosis were notified in January, of whom six were confirmed. Three cases were reported from the Hutt, and one each from Northland, Waitemata, Waikato, Taranaki, and Canterbury DHBs. The cases range in age from 41 to 65 years. The species involved were *Legionella longbeachae* serogroup 1 (3 cases), *L. pneumophila* serogroup 1 (2) and *L. pneumophila* serogroup 4 (1). Two of the confirmed cases had been exposed to compost where *L. longbeachae* serogroup 1 was isolated. Six cases were hospitalised.
- *Malaria*: four cases of malaria were notified in January. The cases range in age from 34 to 51 years and have been overseas during the incubation period. The countries visited were Tanzania (2 cases), Sudan, and Zimbabwe. All the cases were infected with *Plasmodium falciparum*.
- *Meningococcal disease*: based on earliest¹ date available, 22 cases of meningococcal disease were notified during January 2005, of which 18 (81.8%) were laboratory-confirmed. In comparison, 17 cases were notified the previous month, and 19 cases were notified during January 2004. For the previous 12 months, Tairāwhiti DHB recorded the highest current rate of 29.6 per 100 000 population (13 cases). Counties Manukau recorded the highest number of cases (47) with a current rate of 12.5 per 100 000 population. The rate of disease was highest amongst infants aged less than one year (86.0 per 100 000 population), followed by children in the 1-4 years age group (44.0).
- *Pertussis*: during January 2005, 423 cases were notified, a 31.2% decrease compared with the peak of 615 cases in November 2004 (Figure 1). Of the 423 January 2005 cases, 119 (28.1%) were laboratory-confirmed and 11 cases

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.

(3.4%, 11/321) had been hospitalised. Canterbury DHB had the highest number of cases (116). For the previous 12 months, Southland DHB had the highest current incidence rate of 660.9 per 100 000 population (74 cases), compared to a national rate of 101.8 per 100 000 population. The current rate by age group was highest amongst infants aged less than one year (340.3 per 100 000 population), followed by the children in the 5-9 years age group (237.6), and children in the 10-14 years age group (219.8).

- *Ross River virus*: one laboratory-confirmed case of Ross River virus infection was notified in January from Waikato DHB. The case was an adult male who had been in Darwin and Queensland, Australia during the incubation period.

2. Deaths from notifiable diseases

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

Disease	District Health Board	Age group	Sex
Listeriosis - perinatal	Auckland	-	-
Meningococcal disease	Counties Manukau	5-9 years	F
Meningococcal disease	Canterbury	30-39 years	M

3. Trends in selected diseases to January 2005

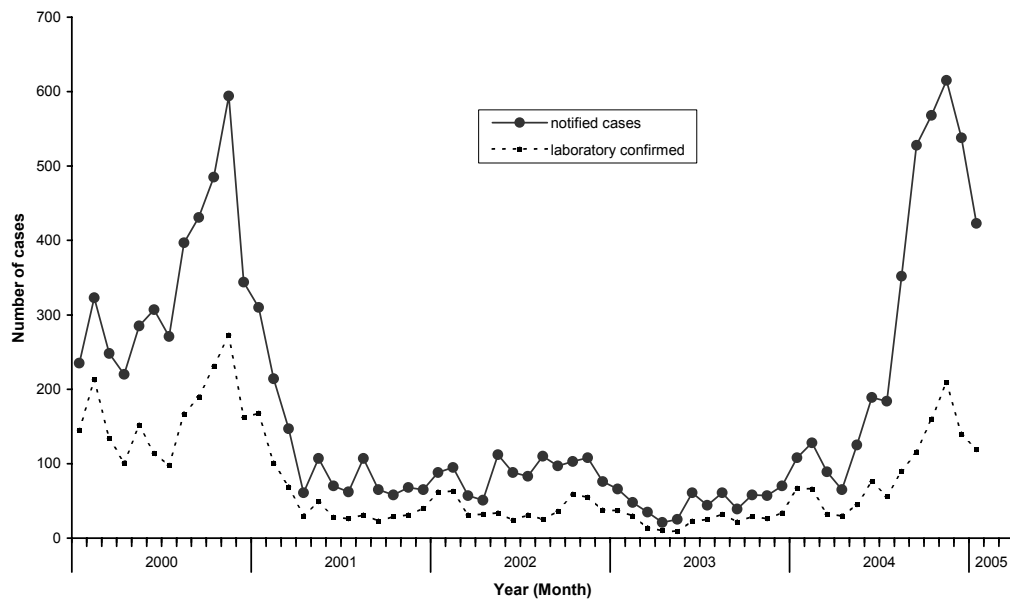


Figure 1: Pertussis notifications and laboratory confirmed cases by month, January 2000-January 2005

4. Data Tables

Disease incidence and rates

Disease ¹	Current year - 2005 ²			Previous year - 2004		
	Jan 2005 cases	Cumulative total since 1 January	Current rate ³	Jan 2004 cases	Cumulative total since 1 January	Previous rate ³
AIDS	5	5	1.1	3	3	0.9
Campylobacteriosis	1350	1350	323.3	1495	1495	387.9
Cryptosporidiosis	12	12	16.2	17	17	21.7
Dengue fever	1	1	0.2	2	2	1.3
Gastroenteritis ⁴	61	61	35.3	117	117	29.3
Giardiasis	80	80	38.9	143	143	42.3
<i>H. influenzae</i> type b disease	0	0	0.1	0	0	0.3
Hepatitis A	4	4	1.3	6	6	1.9
Hepatitis B (acute) ⁵	5	5	1.1	3	3	1.5
Hepatitis C (acute) ⁵	3	3	0.8	0	0	1.0
Hydatid disease	0	0	0	0	0	0
Influenza ⁶	1	1	23.7	3	3	28.2
Lead absorption	3	3	2.4	10	10	3.3
Legionellosis	8	8	1.8	4	4	2.0
Leprosy	1	1	0.1	0	0	0.1
Leptospirosis	8	8	2.8	8	8	2.8
Listeriosis	3	3	0.7	3	3	0.7
Malaria	4	4	0.9	3	3	1.2
Measles	0	0	0.8	5	5	1.8
Meningococcal disease ⁷	20	20	9.3	19	19	14.1
Mumps	3	3	1.2	5	5	1.5
Paratyphoid	3	3	0.8	0	0	0.4
Pertussis	423	423	101.8	108	108	16.8
Rheumatic fever	2	2	2.0	3	3	3.7
Rickettsial disease	0	0	0.1	0	0	0
Rubella	0	0	0.6	3	3	0.7
Salmonellosis	84	84	27.5	142	142	37.1
SARS	0	0	0	0	0	0
Shigellosis	8	8	3.6	14	14	2.4
Tetanus	0	0	0	0	0	0.1
Tuberculosis	24	24	10.2	19	19	10.9
Typhoid	5	5	0.9	3	3	0.6
VTEC / STEC infection	5	5	2.2	13	13	3.1
Yersiniosis	39	39	10.6	65	65	12.0

Notes: ¹ Other notifiable infectious diseases reported in January :Brucellosis, Environmental Poisoning, Ross River virus

² These data are provisional

³ Rate is based on the cumulative total for the current year (12 months up to and including January 2005) or the previous year (12 months up to and including January 2004), 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 January 2005 and preceding 12 months

Disease	Jan 2005	Dec 2004	Nov 2004	Oct 2004	Sep 2004	Aug 2004	Jul 2004	Jun 2004	May 2004	Apr 2004	Mar 2004	Feb 2004	Jan 2004
AIDS	5	6	3	5	4	3	4	2	0	3	2	4	3
Campylobacteriosis	1350	1391	1279	928	920	912	828	844	670	680	1206	1074	1495
Cryptosporidiosis	12	20	87	185	160	50	12	13	18	10	21	19	17
Dengue fever	1	0	0	0	0	0	0	2	0	0	3	1	2
Gastroenteritis ²	61	80	127	134	104	91	88	165	113	199	86	72	117
Giardiasis	80	111	143	103	102	106	134	131	121	118	149	156	143
Haemophilus influenzae type b	0	1	0	0	1	0	1	1	0	0	0	0	0
Hepatitis A	4	3	1	2	2	4	5	2	6	6	5	7	6
Hepatitis B (acute) ³	5	3	2	1	2	4	7	2	4	1	2	8	3
Hepatitis C (acute) ³	3	1	2	2	1	2	3	0	3	0	5	7	0
Hydatid disease	0	0	1	0	0	0	0	0	0	0	0	0	0
Influenza ⁴	1	0	21	153	626	57	13	6	2	2	0	4	3
Lead absorption	3	7	9	7	7	8	8	7	10	6	10	7	10
Legionellosis	8	2	7	4	2	5	4	4	8	7	4	11	4
Leprosy	1	0	0	1	0	0	1	0	0	1	0	0	0
Leptospirosis	8	7	5	6	10	9	7	10	10	11	13	8	8
Listeriosis	3	2	2	2	2	2	1	1	1	2	4	4	3
Malaria	4	2	3	1	2	3	3	1	3	4	2	6	3
Measles	0	8	3	3	1	1	1	1	2	5	3	1	5
Meningococcal disease ⁵	20	18	28	36	54	38	35	25	29	23	29	11	19
Mumps	3	4	7	3	5	7	3	4	1	2	1	4	5
Paratyphoid	3	0	2	2	5	0	3	2	2	5	4	3	0
Pertussis	423	538	615	568	528	352	184	189	125	65	89	128	108
Rheumatic Fever	2	3	5	9	3	11	4	11	3	5	5	12	3
Rickettsial disease	0	0	0	0	0	1	0	0	1	0	0	0	0
Rubella	0	4	2	1	3	2	1	1	3	1	3	1	3
Salmonellosis	84	80	97	92	71	92	62	74	81	85	114	97	142
SARS	0	0	0	0	0	0	0	0	0	0	0	0	0
Shigellosis	8	11	22	6	8	19	10	10	12	9	11	8	14
Tetanus	0	0	0	0	1	0	0	0	0	0	0	0	0
Tuberculosis	24	41	32	38	30	39	29	27	35	25	34	26	19
Typhoid	5	0	1	3	5	0	3	6	2	1	2	5	3
VTEC/STEC infection	5	6	7	6	8	9	4	6	5	3	6	16	13
Yersiniosis	39	27	26	25	19	28	32	38	43	34	40	45	65

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 - January 2005

Cases this month

Current rate¹

Disease	Cases for January 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	3			0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	1.4	2.2			0.6	0	0.6	0	0	2.1	0	0	0.5	0	0	0.8	0.5	4.4	0	0	1.0
Campylobacteriosis	39	157	113	104	113	19	54	14	28	58	12	46	37	108	12	52	11	200	30	93	50
	237.6	377.4	385.3	297.4	374.9	256.3	248.7	204.8	279.5	285.6	223.2	177.4	331.4	370.1	201.6	218.0	277.6	309.1	547.5	382.5	455.8
Cryptosporidiosis	0	0	1	0	0	0	1	0	1	0	0	1	0	0	1	1	0	3	0	3	0
	17.8	5.4	3.8	5.6	40.9	34.4	6.2	11.4	13.6	16.7	28.3	36.8	5.3	8.1	39.3	14.7	26.4	17.3	39.8	26.4	23.2
Dengue fever	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0.7	0	0	0	1.3	0	0	0	0	0	0	0	0	0.4	0	0	0	0	0	0.6	0
Gastroenteritis	0	5	2	2	30	0	0	0	0	0	0	0	1	5	1	0	1	12	0	1	1
	0.7	20.5	24.2	15.7	140.1	52.1	1.1	0	6.8	4.9	14.1	71.0	23.5	26.8	23.6	13.1	16.5	48.7	7.6	38.7	46.4
Giardiasis	1	8	16	14	4	2	3	2	0	0	1	2	1	7	1	0	0	11	1	4	2
	32.8	40.7	57.4	31.4	56.0	46.9	29.7	54.6	18.4	42.5	29.9	27.7	39.4	56.1	34.0	34.3	29.7	33.5	15.2	19.9	22.3
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	0.3	0.3	0	0	0	0	0	0	0	0.8	0	0	0	0	0.2	0	0	0
Hepatitis A	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	0	1.6	2.2	4.0	0.3	2.1	0.6	0	1.0	0.7	0	0.6	0	2.0	0	0.8	0	0.5	0	0.6	1.0
Hepatitis B	0	2	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0.7	1.4	0.8	2.7	1.9	2.1	1.1	2.3	1.0	0.7	0	0	0	0.8	0	0.8	0	0.9	0	0.6	0
Hepatitis C	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
	0.7	0.7	0.8	0.3	0	1.0	1.1	4.6	0	0.7	0	0.6	0.8	0	7.9	1.6	9.9	0.7	0	0.6	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	0.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lead absorption	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
	2.1	1.2	1.4	0.5	2.8	2.1	0.6	6.8	2.9	1.4	7.9	4.5	1.5	1.6	0	0.8	3.3	2.6	3.8	8.2	6.8
Legionellosis	1	1	0	0	1	0	0	0	1	0	0	0	3	0	0	0	0	1	0	0	0
	2.1	2.1	2.7	1.9	1.6	0	2.8	2.3	1.9	0	1.6	1.3	3.0	2.4	2.6	1.6	3.3	0.9	1.9	1.2	0
Leprosy	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	0	0.2	0	0.3	0	0	0	0	0	0	0	0	0.8	0.4	0	0	0	0	0	0	0
Leptospirosis	1	0	0	1	0	0	2	0	0	0	0	0	0	0	0	1	1	1	0	0	1
	1.4	0.2	0.3	0.8	5.0	4.2	2.8	6.8	1.9	13.9	3.1	9.0	0	0.4	0	3.3	16.5	1.9	1.9	0.6	10.6
Listeriosis	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.2	1.1	0.5	0.9	3.1	0.6	0	0	0.7	0	0.6	0.8	1.2	2.6	1.6	0	0	0	1.2	1.0
Malaria	0	1	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	0	0.9	1.6	1.1	1.9	0	0	0	0	0.7	0	0	0	2.0	0	0	0	0.9	0	1.2	1.9
Measles	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.5	0.8	0.3	0.3	1.0	1.1	0	1.0	1.4	1.6	1.9	1.5	0	2.6	0.8	6.6	1.2	0	0	1.0
Meningococcal disease ⁹	1	3	0	2	1	0	1	1	0	2	0	1	0	2	1	1	0	3	0	0	1
	15.0	10.5	9.8	13.0	7.2	16.7	7.3	29.6	4.9	10.4	9.4	10.3	3.0	7.7	5.2	4.1	6.6	6.6	3.8	11.1	6.8
Mumps	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2.1	0.5	0.5	1.3	0.6	0	0.6	2.3	0	0.7	9.4	1.9	0.8	1.2	2.6	2.4	0	0.9	3.8	1.2	1.9
Paratyphoid	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	0.7	0.9	0.8	1.3	0.9	3.1	0.6	0	0	1.4	0	0	0.8	0.8	0	0.8	0	0.9	0	0	1.0
Pertussis	7	13	9	13	66	14	18	0	1	1	0	4	8	13	0	28	3	116	16	19	74
	58.5	22.3	25.6	20.0	165.2	95.9	71.8	59.2	12.6	23.7	1.6	33.6	43.2	31.7	5.2	428.6	39.7	188.3	198.9	187.4	660.9
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	0.2	1.4	6.1	2.8	1.0	3.9	9.1	0	4.2	0	0	0.8	2.4	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	0.3	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	0	0	0	0	0	0
	1.4	0.2	0.3	0.3	0	0	1.1	0	2.9	2.1	1.6	0	1.5	0.4	0	0.8	6.6	0.5	0	0	0
Salmonellosis	2	6	11	5	4	6	4	0	0	2	2	2	2	5	0	4	0	19	1	5	4
	23.5	21.4	26.9	21.8	30.8	20.8	26.4	2.3	28.1	33.4	33.0	14.2	15.2	27.7	20.9	27.8	19.8	32.1	43.6	41.0	68.7
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	1	4	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0
	1.4	2.6	5.7	6.7	1.6	1.0	1.1	0	0	0	4.7	0	9.9	2.8	7.9	1.6	3.3	7.7	0	2.9	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tuberculosis	2	3	5	4	1	1	1	0	0	3	0	0	0	1	0	0	0	1	0	1	1
	5.0	10.9	18.8	18.9	9.4	3.1	3.4	2.3	3.9	18.8	3.1	9.7	9.1	18.7	10.5	4.1	6.6	4.4	1.9	3.5	2.9
Typhoid	0	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0.7	1.4	4.8	0.3	0	0.6	0	0	0	0	0	2.3	0.4	0	0.8	0	0	0	0	0
VTEC / STEC	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	0.7	1.2	1.1	1.9	8.2	2.1	6.2	4.6	2.9	2.1	0	0	0.8	0.4	0	2.4	0	0.7	1.9	3.5	1.9
Yersiniosis	0	6	5	3	4	1	2	1	1	0	0	1	2	5	0	0	3	4	0	0	1
	1.4	13.5	14.4	8.8	14.5	5.2	8.4	11.4	6.8	12.5	11.0	7.7	17.4	12.6	2.6	2.4	56.2	9.1	15.2	5.9	2.9

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