

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 4 June 2009. 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

- *Barmah Forest virus infection*: One confirmed case of Barmah Forest virus infection was notified from Otago DHB in May 2009. The infection was acquired in Northern Territory, Australia.
- *Cryptosporidiosis*: 45 cryptosporidiosis cases were notified in May 2009 compared to 31 cases notified in the same month of the previous year. For the 12 month period ending 31 May 2009 the national rate was 19.7 per 100 000 population compared to 16.5 for the same 12 month period last year. The cases had varied ages, ranging from less than 1 year to 50–59 years, with the highest number of cases in the 1–4 years age group (17 cases). One case was hospitalised. Among the cases where risk factor information was recorded, 57.1% (4/7) had faecal contact, 54.5% (6/11) had contact with farm animals, 50.0% (4/8) had consumed food from a food premise and 11.1% (1/9) had recreational water contact. Two cases had travelled overseas.
- *Dengue fever*: 14 cases of dengue fever were notified in May 2009 compared to two notified cases during the same month of the previous year. For the 12 month period ending 31 May 2009 the national rate was 3.8 per 100 000 population. The highest number of cases was in the 40–49 and 50–59 years age groups (5 cases each). Two cases were hospitalised. Overseas travel was recorded for 11 of the cases and the travel history of three cases was recorded as unknown. The countries visited during the incubation period were the Cook Islands (10) and the Philippines (1).
- *Lead absorption*: 41 cases of lead absorption were notified in May 2009 compared to 15 notified cases in the same month of the previous year (Figure 1). The highest number of cases was reported from Auckland DHB (10 cases). The cases were aged between 1–4 years and 70+ years, with the highest number of cases in the 40–49 years age group (12 cases), followed by 30–39 years age group (9 cases). Sixteen cases were recorded as currently working or having worked in high risk occupations. The recorded high risk occupations were: painter/decorator (4), scrap metal dealer (1) and 11 unknown. From 18

June 2007 the non-occupational notifiable blood lead level reduced from 0.72 µmol/L to 0.48 µmol/L.

- *Measles*: Seven cases of measles were notified in May 2009 compared to nine notifications in the preceding month and two notifications in same month of the previous year. The cases were reported from Counties Manukau (3 cases), Auckland (2), Nelson Marlborough (1) and Otago (1) DHBs. The one laboratory confirmed case (aged 1–4 years) was recorded as having been immunised.
- *Meningococcal disease*: Based on the earliest date available¹, five cases (3 laboratory-confirmed) of meningococcal disease were notified during May 2009. In comparison, seven cases were notified the previous month, April 2009, and five cases were notified during the same month last year, May 2008. For the 12 month period ending 30 April 2009, Whanganui DHB recorded the highest incidence rate of (6.3 per 100 000 population, 4 cases), followed by Hawke's Bay DHB (5.9 per 100 000, 9 cases) and Wairarapa DHB (5.0 per 100 000, 2 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 (14.0 per 100 000, 33 cases), and those in the 15–19 years age group (5.0 per 100 000, 16 cases).
- *Non-seasonal Influenza*: In New Zealand, non seasonal influenza A (H1N1) became notifiable on 29 April 2009. Twenty-seven cases of influenza A (H1N1) were notified in May 2009 (3 confirmed, 3 probable and 21 suspect). None of these cases were reported to have been hospitalised or died. The cases had varied ages, ranging from 1–4 years to 60–69 years, with the highest number of cases in the 50–59 years age group (7 cases). The cases were reported from Waitemata (8 cases), Counties Manukau (6), Hawke's Bay (6), Waikato (3), Auckland (2), South Canterbury (1) and Taranaki (1) DHBs. For the latest information on the influenza A (H1N1) situation in New Zealand see <http://www.moh.govt.nz/influenza-a-h1n1>.
- *Pertussis*: 109 cases of pertussis were notified in May 2009, compared to 98 notifications in the preceding month and 26 notifications in same month of the previous year (Figure 2). There were 23 (21.1%) laboratory-confirmed cases. The highest numbers of cases were reported from Canterbury (27 cases), Waitemata (15) and Waikato (11) DHBs. For the 12 month period ending 31 May 2009, the highest incidence rates were reported from West Coast (74.1 per 100 000 population, 24 cases) and Nelson Marlborough (68.5 per 100 000, 93 cases) DHBs compared to a national rate of 19.9 per 100 000 population. The current 12 month rate by age group was highest amongst infants aged less than one year (117.1 per 100 000 population, 75 cases), followed by children in the 1–4 years age group (32.6 per 100 000, 77 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.

2. Outbreaks

Completed outbreak reports: 15 outbreak reports were entered into EpiSurv and completed during May 2009 (Table 1).

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

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
<i>Bordetella</i>	Wellington, Hutt	2	8
Gastroenteritis	Auckland, Waikato, Rotorua, Manawatu	4	96
<i>Giardia</i>	Auckland	4	18
Norovirus	Auckland, Rotorua, Manawatu	5	136
Total		15	258

Interim outbreak reports: 25 interim outbreaks have been reported in May 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 May 2009

Organism/Toxin/Illness	Reporting Public Health District	Number of outbreaks	Total number of cases
Campylobacter	Manawatu	1	8
Gastroenteritis	Auckland, Waikato, Tauranga, Wellington, Otago	22	148
Norovirus	Wellington	1	50
Rotavirus	Waikato	1	12
Total		25	218

3. Deaths from notifiable diseases

One death was reported for the month of May from invasive pneumococcal disease (Table 3).

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

Disease	District Health Board	Age group
Invasive pneumococcal disease	Capital and Coast	70+

4. Trends in selected diseases to May 2009

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

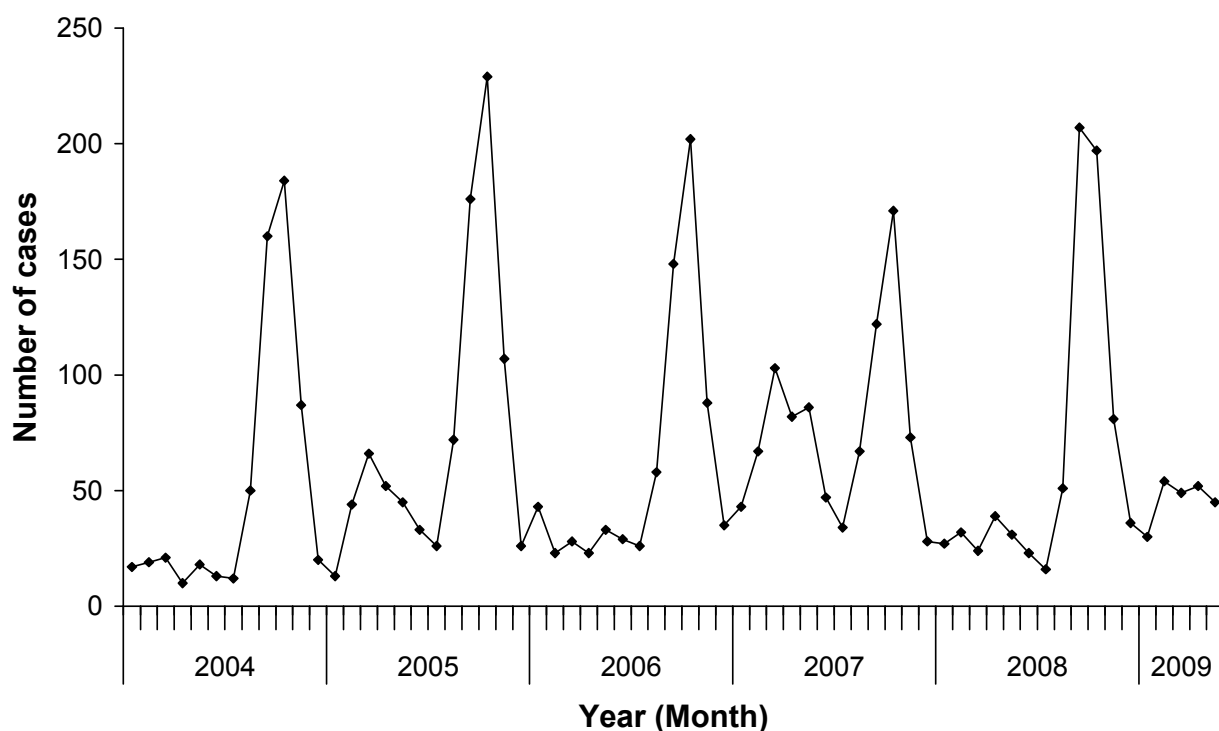
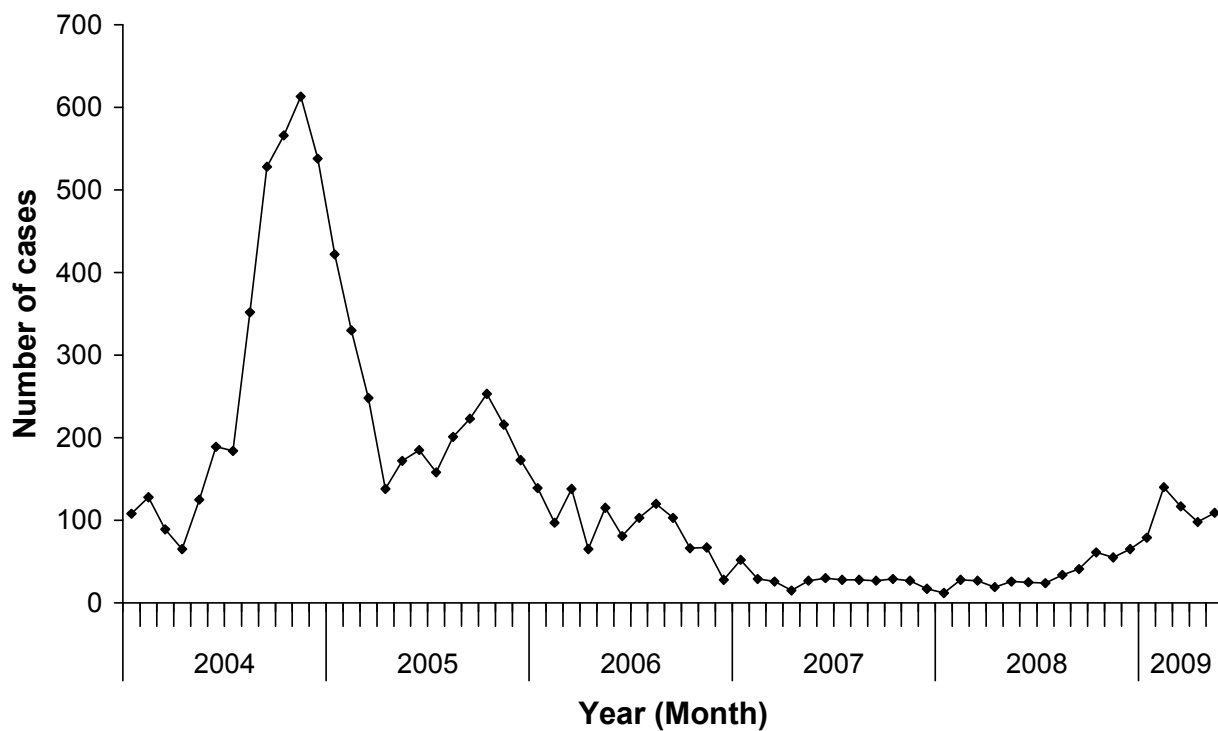


Figure 2: Pertussis notifications by month by year, January 2004 – May 2009



5. Data Tables

National Notifiable Disease Surveillance Data May 2009

Disease	Current Year - 2009 ¹			Previous Year - 2008		
	May 2009 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	May 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	425	2746	161.7	381	2538	214.7
Cryptosporidiosis	45	230	19.7	31	153	16.5
Dengue fever	14	93	3.8	2	45	1.7
Gastroenteritis	47	248	16.0	34	257	14.5
Giardiasis	148	733	38.8	174	737	34.6
Haemophilus influenzae type b	1	6	0.2	1	7	0.3
Hazardous substances injury	0	3	0.3	0	0	0.1
Hepatitis A	4	16	1.8	4	28	1.1
Hepatitis B ⁴	4	19	0.8	5	22	1.4
Hepatitis C ⁴	2	19	0.7	3	10	0.6
Invasive pneumococcal disease ⁵	34	208	7.8	0	0	0.0
Lead absorption	41	164	8.9	15	102	3.5
Legionellosis	8	46	2.2	6	27	1.3
Leptospirosis	12	36	2.8	6	38	1.5
Listeriosis	2	10	0.6	0	11	0.6
Malaria	4	25	1.2	4	15	0.8
Measles	7	44	1.2	2	3	0.4
Meningococcal disease ⁶	5	35	2.8	9	36	2.6
Mumps	7	29	1.5	7	43	2.2
Non seasonal influenza A (H1N1) ⁷	27	43	1.0	0	0	0.0
Paratyphoid fever	1	13	0.6	2	14	0.6
Pertussis	109	543	19.9	26	112	7.0
Rheumatic fever	12	58	3.7	12	53	4.0
Rickettsial disease	1	3	0.3	0	0	0.0
Rubella	3	6	0.2	3	5	0.4
Salmonellosis	83	607	28.8	117	724	32.8
Shigellosis	13	66	2.9	23	54	2.9
Tuberculosis disease	30	136	7.2	31	130	7.0
Typhoid fever	2	25	1.0	1	12	0.7
VTEC/STEC infection	7	91	3.4	11	72	2.9
Yersiniosis	32	228	11.2	31	259	13.3

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including May 2009) or the previous year (12 months up to and including May 2008), expressed as cases per 100 000

³ Cases of gastroenteritis from a common source or foodborne intoxication

⁴ Only acute cases of this disease are currently notifiable

⁵ Invasive pneumococcal disease became a notifiable disease on the 17th October 2008

⁶ 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

⁶ Other notifiable infectious disease reported in May: Barmah Forest virus infection (1) , Diphtheria (1) , Hydatid disease (1)

⁷ Non-seasonal influenza (capable of transmission between human beings) became an infectious notifiable disease on 29 April 2009.

Notifiable Disease Surveillance Data by District Health Board May 2009

		Cases ¹ and current rate ² for May 2009 by District Health Board ³																				
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	6	49	44	43	31	6	17	0	8	18	13	17	22	41	4	12	1	45	6	27	15
	Rate	148.7	169.2	170.7	137.5	172.9	160.6	139.2	65.4	209.8	191.1	173.7	142.0	224.8	222.9	158.5	157.7	123.5	118.2	240.5	145.8	154.3
Cryptosporidiosis	Cases	1	3	3	3	5	0	2	0	0	5	0	0	2	9	1	2	0	7	0	1	1
	Rate	23.3	6.7	8.7	7.2	31.4	19.7	13.6	10.9	26.0	24.1	22.1	21.2	12.0	15.8	47.8	19.2	52.5	28.0	97.6	24.6	50.5
Dengue fever	Cases	1	2	1	4	1	0	0	0	0	0	0	0	1	2	0	0	0	1	0	1	0
	Rate	1.9	3.6	6.8	11.0	1.4	1.0	2.9	4.4	0.0	3.3	1.6	2.4	1.4	4.6	2.5	0.7	3.1	2.6	0.0	0.5	0.9
Gastroenteritis	Cases	0	9	5	0	2	6	0	0	0	0	1	11	5	5	1	0	0	1	1	0	0
	Rate	3.2	21.3	20.8	13.3	8.1	6.9	8.3	4.4	1.9	3.9	23.7	58.3	28.9	25.7	7.5	5.2	21.6	16.9	16.3	6.4	0.9
Giardiasis	Cases	6	11	19	21	9	7	10	2	3	6	2	0	3	21	0	9	2	12	0	2	3
	Rate	29.7	34.0	55.9	42.9	38.5	63.1	26.3	30.5	23.2	39.1	23.7	7.9	28.2	61.2	27.7	42.7	55.6	35.7	28.9	29.4	48.7
Haemophilus influenzae type b	Cases	0	0	0	0	1	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	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.2	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	0.6	0.5	0.0	1.1	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	1.1	0.0
Hepatitis A	Cases	0	0	1	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.2	1.0	2.3	1.7	0.3	2.0	1.0	0.0	1.9	2.0	14.2	12.1	1.4	1.4	0.0	0.0	0.0	0.8	0.0	0.0	0.0
Hepatitis B	Cases	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.0	2.5	0.8	0.0	1.0	0.0	0.0	1.9	0.0	0.0	1.2	0.0	0.0	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	0	0	0	0	0	0	0	0	0	1	0	1	0
	Rate	0.0	0.6	0.9	0.8	0.3	2.0	1.0	0.0	3.7	0.0	0.0	0.6	0.7	0.7	2.5	0.0	0.0	1.2	0.0	0.5	0.0
Āraihi Whakamānau Whangārei	Cases	1	1	5	2	5	4	2	0	0	0	0	0	4	2	0	0	0	3	0	4	1
	Rate	4.5	6.0	6.8	11.0	11.5	14.8	8.3	4.4	10.2	6.5	1.6	3.6	8.5	3.9	15.1	8.1	0.0	7.7	7.2	9.1	11.7
Lead absorption	Cases	0	0	10	4	4	1	4	0	1	2	1	0	1	3	1	0	0	3	1	2	3
	Rate	0.6	10.4	31.3	8.4	8.1	5.9	4.4	6.5	4.6	3.9	14.2	10.3	5.6	3.9	12.6	1.5	0.0	4.0	3.6	4.8	5.4
Legionellosis	Cases	0	1	2	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
	Rate	0.0	2.5	2.1	2.3	1.7	1.0	4.4	0.0	1.9	3.9	1.6	0.0	1.4	1.4	5.0	2.2	6.2	2.4	7.2	2.1	0.9
Leptospirosis	Cases	1	0	0	0	7	0	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	Rate	6.5	0.4	0.2	0.6	7.0	3.0	4.9	30.5	5.6	6.5	11.1	1.8	0.0	0.0	2.5	2.9	12.4	1.6	1.8	3.2	0.0
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	0.6	0.7	1.5	0.3	0.0	1.0	0.0	0.0	0.0	1.6	0.6	0.0	0.4	0.0	0.0	0.0	0.4	0.0	2.1	0.0
Malaria	Cases	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.2	2.5	3.4	0.3	0.0	1.5	0.0	0.9	0.7	0.0	0.0	0.7	0.7	0.0	0.0	6.2	0.8	0.0	0.5	0.0
Measles	Cases	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
	Rate	0.0	0.8	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.7	0.0	1.6	0.0	17.1	0.0
Araihi Whakamānau Whangārei	Cases	0	1	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	4.5	1.3	2.1	4.4	2.5	3.9	2.4	4.4	1.9	5.9	6.3	1.8	2.1	2.8	5.0	3.7	3.1	1.6	1.8	3.2	4.5
Mumps	Cases	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	1.9	0.8	1.1	2.1	2.2	2.0	2.9	0.0	0.0	2.6	1.6	0.0	2.8	1.4	0.0	0.7	0.0	1.4	3.6	0.5	0.0
Bōtulinum toxin Whakamānau Whangārei	Cases	0	8	2	6	3	0	0	0	1	6	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.0	4.2	0.7	1.5	0.8	0.0	0.0	0.0	0.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.6	1.1	1.1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.5	0.0	0.0	1.0	0.0	0.0	0.9
Pertussis	Cases	1	15	4	5	11	4	8	0	3	3	0	2	8	3	0	8	2	27	2	1	2
	Rate	9.0	8.5	5.5	9.9	31.2	18.7	17.5	8.7	7.4	11.1	6.3	10.9	20.4	23.2	17.6	68.5	74.1	44.2	36.2	8.5	25.3
Rheumatic fever	Cases	1	1	1	6	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	7.1	2.7	3.4	9.1	7.3	3.9	1.9	6.5	0.9	4.6	1.6	3.6	5.6	3.5	2.5	0.7	0.0	0.4	0.0	0.0	0.0
Rickettsial disease	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	0.6	0.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.5	0.2	0.0	0.0	0.5	0.0	0.0	1.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Salmonellosis	Cases	1	6	12	3	8	1	2	0	4	0	1	1	5	6	2	5	0	15	2	4	5
	Rate	26.5	19.8	23.5	21.8	33.1	27.6	27.7	56.6	24.1	26.7	19.0	21.2	31.7	24.3	52.8	36.1	27.8	32.5	66.9	51.8	43.3
Shigellosis	Cases	0	2	3	4	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	1
	Rate	2.6	4.6	5.0	4.6	1.4	1.0	2.9	2.2	1.9	0.7	0.0	0.0	2.1	2.5	2.5	5.2	3.1	1.8	3.6	1.6	3.6
Tuberculosis disease	Cases	1	1	4	7	4	0	0	0	0	1	0	1	2	3	0	0	0	3	2	1	0
	Rate	7.8	9.0	12.3	13.3	6.5	4.9	3.9	2.2	1.9	3.9	1.6	3.6	6.3	10.2	0.0	4.4	0.0	6.0	3.6	0.5	1.8
Typhoid fever	Cases	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.0	2.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.5	0.0	0.0	0.0	0.2	0.0	0.0	0.0
VTEC/STEC infection	Cases	3	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
	Rate	7.1	1.7	5.5	1.9	7.9	3.9	2.9	13.1	7.4	2.0	0.0	1.2	2.1	1.1	5.0	1.5	3.1	3.0	3.6	2.7	1.8
Yersiniosis	Cases	0	6	2	3	2	0	0	0	1	0	0	1	1	4	0	1	3	6	2	0	0
	Rate	10.3	9.2	13.7	7.6	8.4	7.9	7.8	4.4	17.6	12.4	3.2	1.2	20.4	22.9	5.0	5.2	43.2	16.1	23.5	2.1	5.4

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including May 2009 expressed as cases per 100 000

³ Further data are available from the local Medical Officer of Health

Āraihi
Whakamānau
Whangārei
Hawke's Bay
Hutt Valley
MidCentral
Nelson Marlborough
West Coast
Canterbury
South Canterbury
Otago
Southland
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

Notifiable Disease Surveillance Data by District Health Board May 2009

		Cases ¹ and current rate ² for May 2009 by District Health Board ³																				
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	6	49	44	43	31	6	17	0	8	18	13	17	22	41	4	12	1	45	6	27	15
	Rate	148.7	169.2	170.7	137.5	172.9	160.6	139.2	65.4	209.8	191.1	173.7	142.0	224.8	222.9	158.5	157.7	123.5	118.2	240.5	145.8	154.3
Cryptosporidiosis	Cases	1	3	3	3	5	0	2	0	0	5	0	0	2	9	1	2	0	7	0	1	1
	Rate	23.3	6.7	8.7	7.2	31.4	19.7	13.6	10.9	26.0	24.1	22.1	21.2	12.0	15.8	47.8	19.2	52.5	28.0	97.6	24.6	50.5
Dengue fever	Cases	1	2	1	4	1	0	0	0	0	0	0	0	1	2	0	0	0	1	0	1	0
	Rate	1.9	3.6	6.8	11.0	1.4	1.0	2.9	4.4	0.0	3.3	1.6	2.4	1.4	4.6	2.5	0.7	3.1	2.6	0.0	0.5	0.9
Gastroenteritis	Cases	0	9	5	0	2	6	0	0	0	0	1	11	5	5	1	0	0	1	1	0	0
	Rate	3.2	21.3	20.8	13.3	8.1	6.9	8.3	4.4	1.9	3.9	23.7	58.3	28.9	25.7	7.5	5.2	21.6	16.9	16.3	6.4	0.9
Giardiasis	Cases	6	11	19	21	9	7	10	2	3	6	2	0	3	21	0	9	2	12	0	2	3
	Rate	29.7	34.0	55.9	42.9	38.5	63.1	26.3	30.5	23.2	39.1	23.7	7.9	28.2	61.2	27.7	42.7	55.6	35.7	28.9	29.4	48.7
Haemophilus influenzae type b	Cases	0	0	0	0	1	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	0.3	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.2	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	0.6	0.5	0.0	1.1	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	1.1	0.0
Hepatitis A	Cases	0	0	1	1	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	Rate	3.2	1.0	2.3	1.7	0.3	2.0	1.0	0.0	1.9	2.0	14.2	12.1	1.4	1.4	0.0	0.0	0.0	0.8	0.0	0.0	0.0
Hepatitis B	Cases	0	0	3	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.0	2.5	0.8	0.0	1.0	0.0	0.0	1.9	0.0	0.0	1.2	0.0	0.0	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	0	0	0	0	0	0	0	0	0	1	0	1	0
	Rate	0.0	0.6	0.9	0.8	0.3	2.0	1.0	0.0	3.7	0.0	0.0	0.6	0.7	0.7	2.5	0.0	0.0	1.2	0.0	0.5	0.0
HbA1c ≥ 6.5% diabetes mellitus	Cases	1	1	5	2	5	4	2	0	0	0	0	0	4	2	0	0	0	3	0	4	1
	Rate	4.5	6.0	6.8	11.0	11.5	14.8	8.3	4.4	10.2	6.5	1.6	3.6	8.5	3.9	15.1	8.1	0.0	7.7	7.2	9.1	11.7
Lead absorption	Cases	0	0	10	4	4	1	4	0	1	2	1	0	1	3	1	0	0	3	1	2	3
	Rate	0.6	10.4	31.3	8.4	8.1	5.9	4.4	6.5	4.6	3.9	14.2	10.3	5.6	3.9	12.6	1.5	0.0	4.0	3.6	4.8	5.4
Legionellosis	Cases	0	1	2	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1
	Rate	0.0	2.5	2.1	2.3	1.7	1.0	4.4	0.0	1.9	3.9	1.6	0.0	1.4	1.4	5.0	2.2	6.2	2.4	7.2	2.1	0.9
Leptospirosis	Cases	1	0	0	0	7	0	2	0	1	0	0	0	0	0	0	1	0	0	0	0	0
	Rate	6.5	0.4	0.2	0.6	7.0	3.0	4.9	30.5	5.6	6.5	11.1	1.8	0.0	0.0	2.5	2.9	12.4	1.6	1.8	3.2	0.0
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	0.6	0.7	1.5	0.3	0.0	1.0	0.0	0.0	0.0	1.6	0.6	0.0	0.4	0.0	0.0	0.0	0.4	0.0	2.1	0.0
Malaria	Cases	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.6	1.2	2.5	3.4	0.3	0.0	1.5	0.0	0.9	0.7	0.0	0.0	0.7	0.7	0.0	0.0	6.2	0.8	0.0	0.5	0.0
Measles	Cases	0	0	2	3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
	Rate	0.0	0.8	0.9	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.7	0.0	1.6	0.0	17.1	0.0
Meningitis (bacterial)	Cases	0	1	0	3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	4.5	1.3	2.1	4.4	2.5	3.9	2.4	4.4	1.9	5.9	6.3	1.8	2.1	2.8	5.0	3.7	3.1	1.6	1.8	3.2	4.5
Mumps	Cases	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	1.9	0.8	1.1	2.1	2.2	2.0	2.9	0.0	0.0	2.6	1.6	0.0	2.8	1.4	0.0	0.7	0.0	1.4	3.6	0.5	0.0
Non-infectious diseases (all)	Cases	0	8	2	6	3	0	0	0	1	6	0	0	0	0	0	0	0	0	1	0	0
	Rate	0.0	4.2	0.7	1.5	0.8	0.0	0.0	0.0	0.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.8	0.0	0.0
Paratyphoid fever	Cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	Rate	0.0	0.6	1.1	1.1	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	2.5	0.0	0.0	1.0	0.0	0.0	0.9
Pertussis	Cases	1	15	4	5	11	4	8	0	3	3	0	2	8	3	0	8	2	27	2	1	2
	Rate	9.0	8.5	5.5	9.9	31.2	18.7	17.5	8.7	7.4	11.1	6.3	10.9	20.4	23.2	17.6	68.5	74.1	44.2	36.2	8.5	25.3
Rheumatic fever	Cases	1	1	1	6	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	Rate	7.1	2.7	3.4	9.1	7.3	3.9	1.9	6.5	0.9	4.6	1.6	3.6	5.6	3.5	2.5	0.7	0.0	0.4	0.0	0.0	0.0
Rickettsial disease	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	0.6	0.7	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Rubella	Cases	0	0	0	1	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	Rate	0.0	0.0	0.5	0.2	0.0	0.0	0.5	0.0	0.0	1.3	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.6	0.0	0.0	0.0
Salmonellosis	Cases	1	6	12	3	8	1	2	0	4	0	1	1	5	6	2	5	0	15	2	4	5
	Rate	26.5	19.8	23.5	21.8	33.1	27.6	27.7	56.6	24.1	26.7	19.0	21.2	31.7	24.3	52.8	36.1	27.8	32.5	66.9	51.8	43.3
Shigellosis	Cases	0	2	3	4	0	0	0	0	1	0	0	0	0	1	0	1	0	0	0	0	1
	Rate	2.6	4.6	5.0	4.6	1.4	1.0	2.9	2.2	1.9	0.7	0.0	0.0	2.1	2.5	2.5	5.2	3.1	1.8	3.6	1.6	3.6
Tuberculosis disease	Cases	1	1	4	7	4	0	0	0	0	1	0	1	2	3	0	0	0	3	2	1	0
	Rate	7.8	9.0	12.3	13.3	6.5	4.9	3.9	2.2	1.9	3.9	1.6	3.6	6.3	10.2	0.0	4.4	0.0	6.0	3.6	0.5	1.8
Typhoid fever	Cases	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Rate	0.0	1.0	2.1	4.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.5	0.0	0.0	0.0	0.2	0.0	0.0	0.0
VTEC/STEC infection	Cases	3	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
	Rate	7.1	1.7	5.5	1.9	7.9	3.9	2.9	13.1	7.4	2.0	0.0	1.2	2.1	1.1	5.0	1.5	3.1	3.0	3.6	2.7	1.8
Yersiniosis	Cases	0	6	2	3	2	0	0	0	1	0	0	1	1	4	0	1	3	6	2	0	0
	Rate	10.3	9.2	13.7	7.6	8.4	7.9	7.8	4.4	17.6	12.4	3.2	1.2	20.4	22.9	5.0	5.2	43.2	16.1	23.5	2.1	5.4

¹ These data are provisional

² Current rate is based on the cumulative total for the 12 months up to and including May 2009 expressed as cases per 100 000

³ Further data are available from the local Medical Officer of Health

“b] Uglj`Y`dbYi a cVt`VVU`X]gYUgY`VYWUa`Y`U`bch]ZUV`Y`X]gYUgY`cb`h`Y`%+h`c`Vt`c`VYf`&\$\$,
`h`Y`gY`h`U`g`UbX`f`U`h`g`U`f`Y`XYf]j`YX`Z`fca`h`Y`9d]G`fj`f`Y`dcfh`X`U`h`Y`U`g`c`ddc`gYX`h`c`h`Y`Y`U`f`Y`gh`U`j`U`j`UV`Y`X`U`h`i`gYX`]b`h`Y`a`Yb]b[`c`Vt`VVU`X]gYUgY`gYVW]cb`c`Z`h`j`g`fYdcfh
`Bcb]gYUgcbU`]bZi`YbnU`f`WUdUV`Y`c`Z`f`Ubga`]gg]cb`VY`h`YYb`i`a`Ub`VY]b[`g`c`VYWUa`Y`Ub`]bZ`YVW]ci`g`bch]ZUV`Y`X]gYUgY`cb`&-`5df]`&\$-\$-”

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

Disease	Cases for the 12 months ending May 2009 ^{1 2} by District Health Board ³																					
	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	6901	230	881	748	651	616	163	286	30	226	293	110	234	319	634	63	214	40	586	133	273	171
Cryptosporidiosis	841	36	35	38	34	112	20	28	5	28	37	14	35	17	45	19	26	17	139	54	46	56
Dengue fever	161	3	19	30	52	5	1	6	2	0	5	1	4	2	13	1	1	1	13	0	1	1
Gastroenteritis	681	5	111	91	63	29	7	17	2	2	6	15	96	41	73	3	7	7	84	9	12	1
Giardiasis	1656	46	177	245	203	137	64	54	14	25	60	15	13	40	174	11	58	18	177	16	55	54
Haemophilus influenzae type b	8	1	2	0	1	1	0	1	0	0	0	0	0	1	0	0	0	0	1	0	0	0
Hazardous substances injury	11	0	3	2	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
Hepatitis A	77	5	5	10	8	1	2	2	0	2	3	9	20	2	4	0	0	0	4	0	0	0
Hepatitis B	35	0	5	11	4	0	1	0	0	2	0	0	2	0	0	1	1	0	7	0	0	1
Hepatitis C	32	0	3	4	4	1	2	2	0	4	0	0	1	1	2	1	0	0	6	0	1	0
Ischaemic heart disease	335	7	31	30	52	41	15	17	2	11	10	1	6	12	11	6	11	0	38	4	17	13
Lead absorption	379	1	54	137	40	29	6	9	3	5	6	9	17	8	11	5	2	0	20	2	9	6
Legionellosis	92	0	13	9	11	6	1	9	0	2	6	1	0	2	4	2	3	2	12	4	4	1
Leptospirosis	118	10	2	1	3	25	3	10	14	6	10	7	3	0	0	1	4	4	8	1	6	0
Listeriosis	26	1	3	3	7	1	0	2	0	0	0	1	1	0	1	0	0	0	2	0	4	0
Malaria	50	1	6	11	16	1	0	3	0	1	1	0	0	1	2	0	0	2	4	0	1	0
Measles	53	0	4	4	3	0	0	0	0	0	0	0	0	0	1	0	1	0	8	0	32	0
Non-infectious diseases	121	7	7	9	21	9	4	5	2	2	9	4	3	3	8	2	5	1	8	1	6	5
Mumps	62	3	4	5	10	8	2	6	0	0	4	1	0	4	4	0	1	0	7	2	1	0
Non-infectious diseases	43	0	22	3	7	3	0	0	0	1	6	0	0	0	0	0	0	0	0	1	0	0
Paratyphoid fever	24	0	3	5	5	0	1	0	0	0	0	0	0	1	2	1	0	0	5	0	0	1
Pertussis	848	14	44	24	47	111	19	36	4	8	17	4	18	29	66	7	93	24	219	20	16	28
Rheumatic fever	157	11	14	15	43	26	4	4	3	1	7	1	6	8	10	1	1	0	2	0	0	0
Rickettsial disease	13	0	3	3	0	6	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
Rubella	10	0	0	2	1	0	0	1	0	0	2	0	0	0	1	0	0	0	3	0	0	0
Salmonellosis	1229	41	103	103	103	118	28	57	26	26	41	12	35	45	69	21	49	9	161	37	97	48
Shigellosis	125	4	24	22	22	5	1	6	1	2	1	0	0	3	7	1	7	1	9	2	3	4
Tuberculosis disease	307	12	47	54	63	23	5	8	1	2	6	1	6	9	29	0	6	0	30	2	1	2
Typhoid fever	42	0	5	9	19	0	0	0	0	0	0	0	0	1	7	0	0	0	1	0	0	0
VTEC/STEC infection	145	11	9	24	9	28	4	6	6	8	3	0	2	3	3	2	2	1	15	2	5	2
Yersiniosis	478	16	48	60	36	30	8	16	2	19	19	2	2	29	65	2	7	14	80	13	4	6
Total	15060	465	1687	1712	1538	1376	361	591	117	383	552	208	504	581	1247	150	499	141	1649	303	596	400

¹ These data are provisional

² Further data are available from the local Medical Officer of Health

³ 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`Wt`cVYf`&\$\$,`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`U]`UV`Y`XUH`i`gYX`]b`h`Y`a`Yb]b[`cVtVWU`X]gYUgY`gYVW]cb`cZ`h`Jg`fYdcfh`Bcb]`gYUgcbU`]bZi`YbnU`fWdUV`Y`cZ`fU`bga`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 May 2009

Disease	Current Year - 2009 ¹			Previous Year - 2008		
	May 2009 Cases	Cumulative total since 1 January	Current 12 Month Rate ²	May 2008 Cases	Cumulative total since 1 January	Current 12 Month Rate ²
Campylobacteriosis	425	2746	161.7	381	2538	214.7
Cryptosporidiosis	45	230	19.7	31	153	16.5
Dengue fever	14	93	3.8	2	45	1.7
Gastroenteritis	47	248	16.0	34	257	14.5
Giardiasis	148	733	38.8	174	737	34.6
Haemophilus influenzae type b	1	6	0.2	1	7	0.3
Hazardous substances injury	0	3	0.3	0	0	0.1
Hepatitis A	4	16	1.8	4	28	1.1
<YdUh]hg`6	4	19	0.8	5	22	1.4
<YdUh]hg`7	2	19	0.7	3	10	0.6
⋈j Ug]j Y`dbYi a cVŁVWU`X]gYUgY	34	208	7.8	0	0	0.0
Lead absorption	41	164	8.9	15	102	3.5
Legionellosis	8	46	2.2	6	27	1.3
Leptospirosis	12	36	2.8	6	38	1.5
Listeriosis	2	10	0.6	0	11	0.6
Malaria	4	25	1.2	4	15	0.8
Measles	7	44	1.2	2	3	0.4
A Yb]b[cVŁVWU`X]gYUgY	5	35	2.8	9	36	2.6
Mumps	7	29	1.5	7	43	2.2
Bcb`gYUgcbU`]bZi YbnU`5`fk`%B`%Ł`	27	43	1.0	0	0	0.0
Paratyphoid fever	1	13	0.6	2	14	0.6
Pertussis	109	543	19.9	26	112	7.0
Rheumatic fever	12	58	3.7	12	53	4.0
Rickettsial disease	1	3	0.3	0	0	0.0
Rubella	3	6	0.2	3	5	0.4
Salmonellosis	83	607	28.8	117	724	32.8
Shigellosis	13	66	2.9	23	54	2.9
Tuberculosis disease	30	136	7.2	31	130	7.0
Typhoid fever	2	25	1.0	1	12	0.7
VTEC/STEC infection	7	91	3.4	11	72	2.9
Yersiniosis	32	228	11.2	31	259	13.3

¹ These data are provisional

² Rate is based on the cumulative total for the current year (12 months up to and including May 2009) or the previous year (12 months up to and including May 2008), expressed as cases per 100 000

³ Cases of gastroenteritis from a common source or foodborne intoxication

‘C b`mUW`hY`WUgYg`cZ`h`jg`X]gYUgY`UfY`W`ffYbhmbch]Z]UV`Y

‘⋈j Ug]j Y`dbYi a cVŁVWU`X]gYUgY`VYVWŁa Y`U`bch]Z]UV`Y`X]gYUgY`cb`h`Y`%+h`‘C VŁVYf`&\$\$,

‘h`Y`gY`hc`HJ`g`UbX`fU`h`g`UfY`XYf]j`YX`Zfca`‘h`Y`9d]Gi`fj`‘fydcfhXU`h`Ug`cddcgYX`hc`‘h`Y`YUf`]YghUj`Uj`UV`Y`XU`h`i`gYX`]b`‘h`Y`a`Yb]b[`cVŁVWU`X]gYUgY`gYVW]cb`cZ`h`jg`fydcfh

‘C`h`Yf`bch]Z]UV`Y`]bZYVW]ci`g`X]gYUgY`fydcfhYX`]b`‘A`Um`6Ufa`U`Ł`c`fYghj`]fi`g`]bZYVW]cb`fVŁŁ`ž`8]d`\\h`Yf]U`fVŁŁ`ž`<mXUh]X`X]gYUgY`fVŁŁ`

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