

NOTIFIABLE DISEASE cases are reported through EpiSurv
NEW ZEALAND'S notifiable disease database

16,305 notifiable disease cases were reported through EpiSurv in 2016

14,306 CASES were reported in 2015

DISEASES WITH SIGNIFICANT INCREASES

(2016 compared with 2015)

- ▲** AIDS
- ▲** Dengue fever
- ▲** VTEC/STEC infection
- ▲** Campylobacteriosis
- ▲** Measles
- ▲** Yersiniosis
- ▲** Cryptosporidiosis
- ▲** Shigellosis
- ▲** Zika virus infection

DISEASES WITH SIGNIFICANT DECREASES

(2016 compared with 2015)

- ▼** Chikungunya fever
- ▼** Leprosy
- ▼** Pertussis

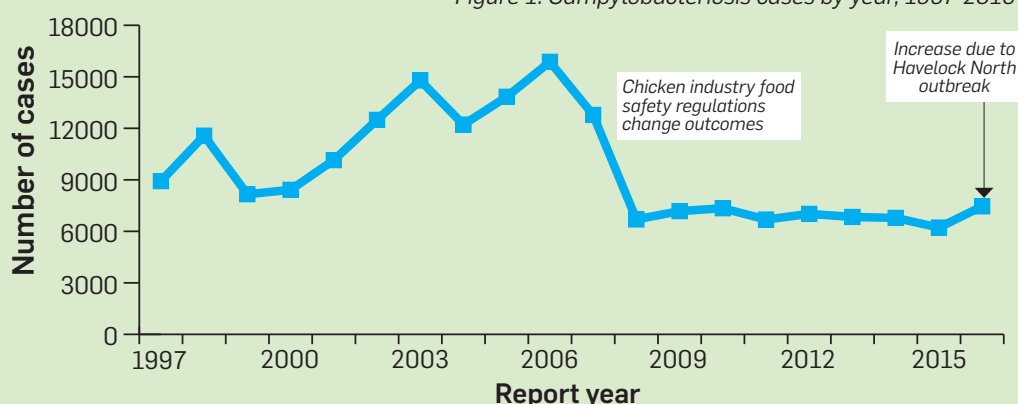
CAMPYLOBACTERIOSIS

7456 cases reported in 2016
6218 cases reported in 2015

964 cases of campylobacteriosis were part of the Havelock North outbreak linked to contaminated drinking water

Campylobacteriosis accounts for **46%** of all disease notifications

Figure 1. Campylobacteriosis cases by year, 1997-2016



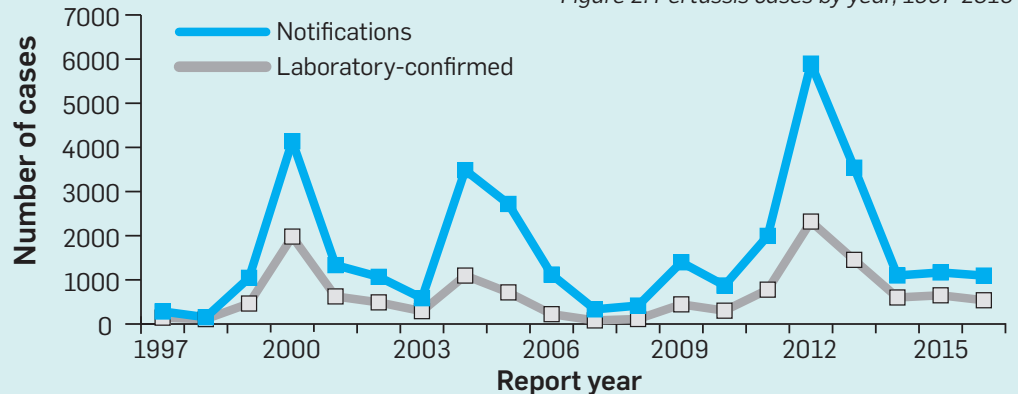
PERTUSSIS

Decrease in cases reported 2016
1096 compared with **1168** in 2015

DESPITE THIS DECREASE another NATIONAL EPIDEMIC is expected in 2017 or 2018

HIGHEST notifications for >1 year age group **114.8** per 100,000 **56%** of this age group were hospitalised

Figure 2. Pertussis cases by year, 1997-2016



National surveillance data 12-monthly notification rate changes¹ January 2016 – December 2016

Disease	Number of notifications		Rate per 100,000		Changed ^f
	2015	2016	2015	2016	
AIDS ^a	9	22	0.2	0.5	▲
Campylobacteriosis	6218	7456	135.3	158.9	▲
Chikungunya fever	48	28	1.0	0.6	▼
Cryptosporidiosis	696	1062	15.1	22.6	▲
Dengue fever	125	191	2.7	4.1	▲
Gastroenteritis (acute) ^b	503	510	11.0	10.9	▲
Giardiasis	1510	1617	32.9	34.5	▲
Hepatitis A	47	35	1.0	0.7	▼
Hepatitis B ^c	34	34	0.7	0.7	NC
Hepatitis C ^c	35	30	0.8	0.6	▼
Invasive pneumococcal disease	447	475	9.7	10.1	▲
Legionellosis	247	247	5.4	5.3	NC
Leptospirosis	63	85	1.4	1.8	▲
Listeriosis	26	37	0.6	0.8	▲
Malaria	38	26	0.8	0.6	▼
Measles	10	103	0.2	2.2	▲
Meningococcal disease	64	75	1.4	1.6	▲
Mumps	13	20	0.3	0.4	▲
Paratyphoid fever	34	32	0.7	0.7	▼
Pertussis	1168	1096	25.4	23.4	▼
Rheumatic fever ^f	112	137	2.4	2.9	▲
Salmonellosis	1051	1091	22.9	23.2	▲
Shigellosis	111	174	2.4	3.7	▲
Tuberculosis disease	293	297	6.4	6.3	▲
Typhoid fever	43	38	0.9	0.8	▼
VTEC/STEC infection	330	418	7.2	8.9	▲
Yersiniosis	634	857	13.8	18.3	▲
Zika virus	9	100	0.2	2.1	▲

^a Data source: AIDS Epidemiology Group.

^b Cases of acute gastroenteritis from a common source or foodborne intoxication, eg, staphylococcal intoxication.

^c Only acute cases of this disease are notifiable.

^d ▼ = significant decrease, ▲ = significant increase, NC = no change, ▼ = not significant decrease, ▲ = not significant increase.

^e Fisher's exact tests were used to determine statistical significance. Results are considered statistically significant when the P value is less than or equal to 0.05.

^f Includes rheumatic fever initial attack and recurrent cases.

OTHER KEY FACTS

MEASLES

In 2016, **103** cases (2.2 per 100,000 in 2016) were notified compared with **10** cases (0.2 per 100,000 in 2015)

Cryptosporidiosis

nearly **50%** increase
1062 cases in 2016 compared with **696** in 2015
Increase in reporting may be due to changing laboratory practices

YERSINIOSIS

In 2016, **857** cases (18.3 per 100,000 in 2016) were notified compared with **634** cases (13.8 per 100,000 in 2015)

Zika virus infection

2016 there were **100** cases (2.1 per 100,000) a significant increase on 2015 – **9** cases (0.2 per 100,000)
There has been an increase in outbreaks of Zika virus infection in the Pacific since 2013

