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## MONTHLY NOTIFIABLE DISEASE SURVEILLANCE REPORT

Data contained within this monthly report are based on information recorded on EpiSurv by Public Health Service (PHS) staff as at 10 December 2019. Changes made to EpiSurv after this date will not be reflected in this report. The data are provisional and include cases that are still under investigation, some of which may become 'Not a case'. For this reason, comparisons between the current year and the previous year should be treated with caution.

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### KEY NOTIFIABLE DISEASE TRENDS

#### Enteric Diseases

Enteric infections are the most common notifiable diseases, and several, along with acute gastroenteritis, are increasing in incidence. This increase is partly due to changes in laboratory testing practices, with a shift from culture methods to multiplex PCR (which tests for several diseases at the same time). This means more diseases are likely to be detected and in a more timely manner. For further information, see the [2016 Annual Notifiable Disease Report Commentary](#).

#### Acute gastroenteritis

There were 32 cases of acute gastroenteritis notified in November 2019, compared with 20 for the same month in 2018. Half (16) of the cases were due to enterotoxigenic *Escherichia coli* (ETEC) and, for the year to date, 45.3% (212/468) of acute gastroenteritis notifications have been due to ETEC. An increase in acute gastroenteritis due to ETEC has been noted in the Bay of Plenty, Lakes and Waikato DHBs since Pathlab introduced a PCR test that detects the organism in late 2018.

#### Dengue Fever

There were 18 cases of dengue fever (14 confirmed, 2 probable and 2 under investigation) notified in November 2019, compared with 15 for the same month in 2018. Countries visited by the 16 confirmed and probable cases were India (5 cases), Samoa and Thailand (2 cases each), Australia, Cook Islands, Fiji, Mexico, Nepal, Pakistan, Singapore, Vanuatu and Vietnam (1 case each). Information on avoiding dengue fever is available on the [Safetravel website](#).

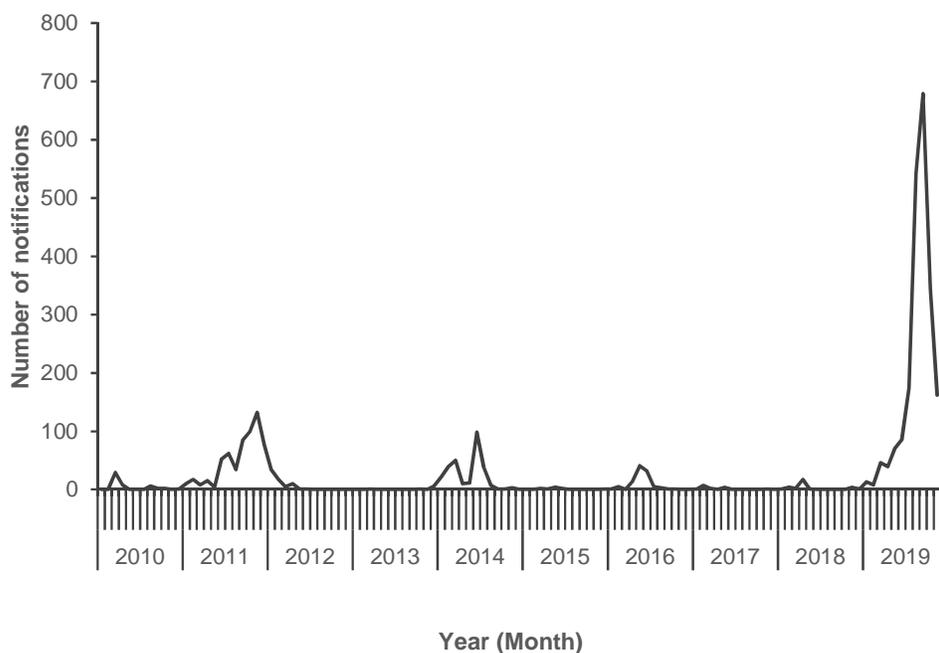
#### Legionellosis

There were 44 cases of legionellosis (37 confirmed and 7 under investigation) notified in November 2019, compared with 17 for the same month in 2018. The majority of the confirmed cases were due to *Legionella longbeachae* (31/37, 83.8%) which is commonly found in soil, compost and potting mix. Information on working safely with soil, compost and potting mix is available on the Worksafe website [here](#).

#### Measles

There were 162 cases of measles (all confirmed) notified in November 2019, bringing the total for January–November to 2164 cases (Figure 1). The majority (111/162 cases, 68.5%) of cases were reported from the Auckland region. See the latest [weekly measles surveillance report](#) for more information.

**Figure 1. Measles notifications by month, January 2010–November 2019**



### Meningococcal disease

There were nine cases (7 laboratory confirmed and 2 probable) of meningococcal disease notified in November 2019, bringing the total to 135 for the year to date. See the latest [meningococcal disease monthly report](#) for more information.

From 1 December 2019, the meningococcal ACWY vaccine (Menactra®) is funded for people aged from 13 to 25 years in close-living situations. More information can be found on the [PHARMAC website](#).

### Mumps

There were 77 cases (72 confirmed, 1 probable and 4 under investigation) of mumps notified in November 2019, compared with 18 for the same month in 2018. The majority of confirmed cases were reported from the Auckland region (44/72, 61.1%), and over half (45/72, 62.5%) were aged 20–29 years.

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## OUTBREAKS

### Mumps

An outbreak of mumps involving 12 cases was reported from Waikato DHB in November 2019. The cases were aged between 18 and 25 years and were exposed while at a bar in Hamilton. For more information see the [press release](#) from Waikato DHB.

### Pertussis

An outbreak of pertussis involving five cases (4 laboratory confirmed and 1 probable) was reported in November 2019. The cases were associated with a Christchurch fitness centre.

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## TABLES

Tables for November are available as Excel files on the [Public Health Surveillance website](#).