

## Notifiable Disease Surveillance Data by District Health Board September 2017

|                               |       | Cases <sup>1</sup> and current rate <sup>2</sup> for September 2017 by District Health Board <sup>3</sup> |           |          |                  |         |       |               |            |          |             |           |            |             |                   |           |                    |            |            |                  |          |
|-------------------------------|-------|---|-----------|----------|------------------|---------|-------|---------------|------------|----------|-------------|-----------|------------|-------------|-------------------|-----------|--------------------|------------|------------|------------------|----------|
|                               |       | 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 | Southern |
| Disease                       |       |   |           |          |                  |         |       |               |            |          |             |           |            |             |                   |           |                    |            |            |                  |          |
| Campylobacteriosis            | Cases | 28  | 77        | 35       | 31               | 76      | 14    | 21            | 3          | 32       | 18          | 12        | 25         | 6           | 16                | 5         | 18                 | 10         | 82         | 15               | 68       |
|                               | Rate  | 146.4   | 129.8     | 110.6    | 93.8             | 146.9   | 144.5 | 102.8         | 129.7      | 214.9    | 421.9       | 174.6     | 176.8      | 129.5       | 127.5             | 190.4     | 141.4              | 196.9      | 160.7      | 241.6            | 222      |
| Cryptosporidiosis             | Cases | 19  | 16        | 17       | 19               | 43      | 8     | 6             | 5          | 9        | 6           | 4         | 21         | 2           | 3                 | 4         | 3                  | 2          | 22         | 6                | 29       |
|                               | Rate  | 37.3  | 20.1      | 18.5     | 27               | 31.8    | 19.7  | 9.7           | 46         | 31.7     | 16.1        | 30.2      | 34.4       | 6.9         | 10.8              | 29.8      | 54.6               | 18.5       | 25.6       | 28.7             | 28.5     |
| Dengue fever                  | Cases | 1   | 1         | 3        | 1                | 1       | 1     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 1                 | 0         | 0                  | 0          | 1          | 1                | 0        |
|                               | Rate  | 1.8   | 2.9       | 5.1      | 3.7              | 2.3     | 2.8   | 2.2           | 2.1        | 4.3      | 1.9         | 1.6       | 1.1        | 0.7         | 2.6               | 0         | 2.7                | 0          | 2.4        | 3.4              | 0.9      |
| Gastroenteritis               | Cases | 0   | 1         | 2        | 0                | 0       | 1     | 0             | 0          | 0        | 0           | 3         | 1          | 2           | 3                 | 0         | 0                  | 1          | 4          | 0                | 1        |
|                               | Rate  | 9.3   | 4.9       | 10.4     | 2.8              | 1       | 5.6   | 4             | 2.1        | 0        | 1.9         | 22.2      | 24.1       | 16.4        | 17.9              | 9.2       | 1.4                | 24.6       | 8.2        | 3.4              | 2.8      |
| Giardiasis                    | Cases | 7   | 18        | 23       | 9                | 12      | 1     | 8             | 1          | 0        | 8           | 0         | 2          | 1           | 8                 | 10        | 3                  | 1          | 4          | 0                | 8        |
|                               | Rate  | 39.1  | 31.1      | 37.3     | 37.3             | 43.6    | 49.7  | 37.5          | 94.1       | 29.1     | 43.4        | 31.7      | 24.1       | 21.2        | 34.2              | 52.8      | 30.7               | 18.5       | 26.5       | 37.2             | 27.6     |
| Haemophilus influenzae type b | Cases | 0   | 1         | 1        | 1                | 0       | 0     | 1             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 1        |
|                               | Rate  | 0   | 0.2       | 0.2      | 0.4              | 0.3     | 0     | 0.9           | 2.1        | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0.3      |
| Hepatitis A                   | Cases | 0   | 1         | 0        | 1                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 0   | 1.2       | 0.6      | 2.8              | 0.5     | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 1.6               | 0         | 0.7                | 0          | 0.6        | 0                | 0.9      |
| Hepatitis B                   | Cases | 0   | 0         | 1        | 3                | 1       | 0     | 0             | 0          | 0        | 0           | 3         | 3          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 0   | 1         | 1.8      | 2.1              | 1.3     | 1.9   | 0             | 0          | 0.9      | 1.2         | 4.8       | 1.7        | 0           | 0.7               | 2.3       | 1.4                | 0          | 0.6        | 0                | 0.3      |
| Hepatitis C                   | Cases | 0   | 0         | 0        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 1        |
|                               | Rate  | 0.6   | 0.2       | 0.4      | 0                | 0       | 0     | 0             | 0          | 4.3      | 0.6         | 0         | 0.6        | 2.1         | 0.3               | 0         | 2                  | 0          | 0.4        | 0                | 1.9      |
| Invasive pneumococcal disease | Cases | 3   | 4         | 3        | 8                | 5       | 1     | 4             | 1          | 0        | 0           | 1         | 1          | 2           | 2                 | 0         | 0                  | 0          | 4          | 0                | 7        |
|                               | Rate  | 18.1  | 9.8       | 9.1      | 14.4             | 9.5     | 19.7  | 20.3          | 18.8       | 8.6      | 9.9         | 12.7      | 8.6        | 6.9         | 10.8              | 11.5      | 11.6               | 6.2        | 8.7        | 11.8             | 10.7     |
| Legionellosis                 | Cases | 0   | 5         | 4        | 1                | 0       | 0     | 1             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 1                  | 0          | 5          | 1                | 1        |
|                               | Rate  | 14  | 8.8       | 6.7      | 3.6              | 1.8     | 3.8   | 9.3           | 0          | 3.4      | 0.6         | 0         | 1.1        | 4.8         | 1.3               | 0         | 10.2               | 15.4       | 9.3        | 5.1              | 4.4      |
| Leptospirosis                 | Cases | 3   | 1         | 0        | 0                | 3       | 1     | 1             | 0          | 2        | 2           | 0         | 1          | 0           | 0                 | 0         | 1                  | 0          | 1          | 0                | 0        |
|                               | Rate  | 5.8   | 1.2       | 0.4      | 0                | 12.3    | 1.9   | 1.8           | 2.1        | 6        | 9.3         | 12.7      | 4          | 0.7         | 0                 | 9.2       | 4.8                | 9.2        | 1.9        | 5.1              | 2.5      |
| Listeriosis                   | Cases | 0   | 0         | 0        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 0.6   | 0.2       | 0.4      | 0.7              | 0.5     | 0     | 1.3           | 2.1        | 0        | 0           | 0         | 0          | 0.7         | 0.3               | 0         | 1.4                | 0          | 0.6        | 0                | 0        |
| Malaria                       | Cases | 0   | 1         | 1        | 0                | 1       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 1          | 0                | 0        |
|                               | Rate  | 1.2   | 0.5       | 1.4      | 0.6              | 1       | 0.9   | 0.4           | 0          | 1.7      | 0.6         | 0         | 0          | 0.7         | 1.3               | 0         | 1.4                | 0          | 0.7        | 0                | 0.3      |
| Measles                       | Cases | 0   | 0         | 0        | 1                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 0   | 0.3       | 0.2      | 0.2              | 0       | 0     | 0.9           | 0          | 0        | 0           | 0         | 4          | 0.7         | 0                 | 0         | 0                  | 0          | 0.2        | 0                | 0.3      |
| Meningococcal disease         | Cases | 0   | 1         | 0        | 2                | 2       | 0     | 0             | 0          | 0        | 3           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 2          | 0                | 0        |
|                               | Rate  | 2.9   | 1.5       | 1.6      | 3.2              | 2.3     | 0.9   | 3.1           | 2.1        | 0        | 3.1         | 1.6       | 2.3        | 1.4         | 3.3               | 2.3       | 0.7                | 6.2        | 2          | 0                | 2.2      |
| Mumps                         | Cases | 2   | 53        | 72       | 90               | 13      | 0     | 2             | 0          | 0        | 3           | 0         | 2          | 0           | 2                 | 0         | 0                  | 0          | 3          | 0                | 9        |
|                               | Rate  | 7.6   | 32.5      | 25.4     | 37.6             | 14      | 3.8   | 1.8           | 0          | 5.1      | 1.9         | 0         | 1.7        | 3.4         | 3.9               | 0         | 5.5                | 0          | 2.6        | 0                | 8.5      |
| Paratyphoid fever             | Cases | 0   | 3         | 0        | 2                | 1       | 0     | 0             | 0          | 0        | 14          | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 0   | 1.2       | 1.4      | 0.7              | 0.3     | 0     | 0.4           | 0          | 0.9      | 9.3         | 0         | 1.1        | 0           | 0.7               | 0         | 0.7                | 0          | 0.2        | 0                | 0.6      |
| Pertussis                     | Cases | 8   | 25        | 14       | 11               | 20      | 4     | 8             | 1          | 11       | 14          | 3         | 1          | 4           | 7                 | 1         | 9                  | 1          | 29         | 0                | 20       |
|                               | Rate  | 12.3  | 21.3      | 17       | 12.7             | 26.8    | 47.8  | 26            | 25.1       | 67.6     | 39          | 15.9      | 18.9       | 29.5        | 51.2              | 6.9       | 45.1               | 12.3       | 38.9       | 11.8             | 59.3     |
| Q fever                       | Cases | 0   | 0         | 0        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 0   | 0         | 0        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
| Rheumatic fever <sup>4</sup>  | Cases | 3   | 3         | 6        | 3                | 0       | 1     | 0             | 1          | 0        | 0           | 1         | 1          | 1           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 6.4   | 2.4       | 4.3      | 9.7              | 3.8     | 2.8   | 3.5           | 2.1        | 0        | 2.5         | 1.6       | 1.1        | 3.4         | 0.7               | 0         | 0.7                | 0          | 0.6        | 0                | 0.3      |
| Rickettsial disease           | Cases | 0   | 0         | 1        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 0   | 0         | 0.4      | 0.2              | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
| Rubella                       | Cases | 0   | 0         | 0        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 0   | 0         | 0        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
| Salmonellosis                 | Cases | 5   | 9         | 11       | 9                | 6       | 1     | 4             | 3          | 3        | 2           | 2         | 8          | 4           | 8                 | 1         | 2                  | 0          | 15         | 2                | 13       |
|                               | Rate  | 33.3  | 16.9      | 21.9     | 13.5             | 31.8    | 20.6  | 14.6          | 35.6       | 23.1     | 22.3        | 14.3      | 20.7       | 15.1        | 25.8              | 32.1      | 23.9               | 12.3       | 33.9       | 27               | 34.8     |
| Shigellosis                   | Cases | 1   | 3         | 5        | 3                | 0       | 0     | 0             | 0          | 1        | 2           | 0         | 0          | 1           | 0                 | 0         | 0                  | 0          | 1          | 0                | 0        |
|                               | Rate  | 5.3   | 6.6       | 9.3      | 10.7             | 1.3     | 2.8   | 2.6           | 4.2        | 1.7      | 6.2         | 3.2       | 1.1        | 4.1         | 5.2               | 0         | 0                  | 3.1        | 2.6        | 0                | 3.8      |
| Tuberculosis disease          | Cases | 1   | 6         | 7        | 5                | 3       | 1     | 1             | 1          | 1        | 0           | 0         | 0          | 4           | 3                 | 0         | 0                  | 0          | 2          | 0                | 0        |
|                               | Rate  | 1.2   | 8.1       | 12.2     | 9.9              | 6.8     | 2.8   | 2.2           | 2.1        | 4.3      | 8.7         | 0         | 5.2        | 8.9         | 7.5               | 11.5      | 3.4                | 0          | 6.7        | 1.7              | 2.5      |
| Typhoid fever                 | Cases | 0   | 0         | 0        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 1                  | 0          | 0          | 0                | 1        |
|                               | Rate  | 0   | 1.4       | 3.9      | 3.7              | 0.5     | 2.8   | 0             | 0          | 0        | 0.6         | 1.6       | 1.1        | 0.7         | 0                 | 0         | 0.7                | 0          | 0.2        | 0                | 0.9      |
| Viral Haemorrhagic Fever      | Cases | 0   | 0         | 0        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
|                               | Rate  | 0   | 0         | 0        | 0                | 0       | 0     | 0             | 0          | 0        | 0           | 0         | 0          | 0           | 0                 | 0         | 0                  | 0          | 0          | 0                | 0        |
| VTEC/STEC infection           | Cases | 6   | 9         | 3        | 6                | 2       | 0     | 1             | 0          | 1        | 2           | 0         | 2          | 0           | 0                 | 0         | 0                  | 0          | 2          | 0                | 17       |
|                               | Rate  | 37.9  | 13.5      | 7.7      | 11.8             | 9.8     | 12.2  | 7.9           | 2.1        | 10.3     | 6.8         | 7.9       | 2.3        | 0.7         | 3.3               | 4.6       | 6.1                | 3.1        | 4.3        | 23.6             | 33.6     |
| Yersiniosis                   | Cases | 4   | 14        | 8        | 6                | 6       | 0     | 8             | 2          | 2        | 5           | 1         | 0          | 6           | 8                 | 3         | 1                  | 1          | 21         | 1                | 6        |
|                               | Rate  | 18.1  | 20.8      | 20.3     | 11.2             | 17.8    | 27.2  | 36.6          | 29.3       | 12.8     | 18.6        | 11.1      | 10.3       | 29.5        | 27.4              | 22.9      | 5.5                | 18.5       | 32.4       | 23.6             | 16       |

<sup>1</sup> These data are provisional.

<sup>2</sup> Current rate is based on the cumulative total for the 12 months up to and including September 2017 expressed as cases per 100 000. This includes cases still under investigation.

<sup>3</sup> Further data are available from the local Medical Officer of Health.

<sup>4</sup> Rates are based on report date. This may not be a good indicator of newly incident cases as a high proportion of notifications have substantial reporting delays.