

# NATIONAL NOTIFIABLE DISEASES SURVEILLANCE SYSTEM, 1 OCTOBER TO 31 DECEMBER 2013

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 55,328 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 October to 31 December 2013 (Table 2). The notification rate of diseases per 100,000 population for each state or territory is presented in Table 3.

**Table 1: Reporting of notifiable diseases by jurisdiction**

| Disease                                     | Data received from:                      |
|---------------------------------------------|------------------------------------------|
| <b>Bloodborne diseases</b>                  |                                          |
| Hepatitis (NEC)                             | All jurisdictions                        |
| Hepatitis B (newly acquired)                | All jurisdictions                        |
| Hepatitis B (unspecified)                   | All jurisdictions                        |
| Hepatitis C (newly acquired)                | All jurisdictions except Queensland      |
| Hepatitis C (unspecified)                   | All jurisdictions                        |
| Hepatitis D                                 | All jurisdictions                        |
| <b>Gastrointestinal diseases</b>            |                                          |
| Botulism                                    | All jurisdictions                        |
| Campylobacteriosis                          | All jurisdictions except New South Wales |
| Cryptosporidiosis                           | All jurisdictions                        |
| Haemolytic uraemic syndrome                 | All jurisdictions                        |
| Hepatitis A                                 | All jurisdictions                        |
| Hepatitis E                                 | All jurisdictions                        |
| Listeriosis                                 | All jurisdictions                        |
| STEC, VTEC*                                 | All jurisdictions                        |
| Salmonellosis                               | All jurisdictions                        |
| Shigellosis                                 | All jurisdictions                        |
| Typhoid                                     | All jurisdictions                        |
| <b>Quarantinable diseases</b>               |                                          |
| Cholera                                     | All jurisdictions                        |
| Highly pathogenic avian influenza in humans | All jurisdictions                        |
| Plague                                      | All jurisdictions                        |
| Rabies                                      | All jurisdictions                        |
| Severe acute respiratory syndrome           | All jurisdictions                        |
| Smallpox                                    | All jurisdictions                        |
| Viral haemorrhagic fever                    | All jurisdictions                        |
| Yellow fever                                | All jurisdictions                        |
| <b>Sexually transmissible infections</b>    |                                          |
| Chlamydial infection                        | All jurisdictions                        |
| Donovanosis                                 | All jurisdictions                        |
| Gonococcal infection                        | All jurisdictions                        |
| Syphilis - congenital                       | All jurisdictions                        |
| Syphilis <2 years duration                  | All jurisdictions                        |
| Syphilis >2 years or unspecified duration   | All jurisdictions                        |

Table 1 continued: Reporting of notifiable diseases by jurisdiction

| Disease                                    | Data received from:                      |
|--------------------------------------------|------------------------------------------|
| <b>Vaccine preventable diseases</b>        |                                          |
| Diphtheria                                 | All jurisdictions                        |
| <i>Haemophilus influenzae</i> type b       | All jurisdictions                        |
| Influenza (laboratory confirmed)           | All jurisdictions                        |
| Measles                                    | All jurisdictions                        |
| Mumps                                      | All jurisdictions                        |
| Pertussis                                  | All jurisdictions                        |
| Pneumococcal disease (invasive)            | All jurisdictions                        |
| Poliomyelitis                              | All jurisdictions                        |
| Rubella                                    | All jurisdictions                        |
| Rubella - congenital                       | All jurisdictions                        |
| Tetanus                                    | All jurisdictions                        |
| Varicella zoster (chickenpox)              | All jurisdictions except New South Wales |
| Varicella zoster (shingles)                | All jurisdictions except New South Wales |
| Varicella zoster (unspecified)             | All jurisdictions except New South Wales |
| <b>Vectorborne diseases</b>                |                                          |
| Arbovirus infection (NEC)                  | All jurisdictions                        |
| Barmah Forest virus infection              | All jurisdictions                        |
| Dengue virus infection                     | All jurisdictions                        |
| Japanese encephalitis virus infection      | All jurisdictions                        |
| Kunjin virus infection                     | All jurisdictions                        |
| Malaria                                    | All jurisdictions                        |
| Murray Valley encephalitis virus infection | All jurisdictions                        |
| Ross River virus infection                 | All jurisdictions                        |
| <b>Zoonoses</b>                            |                                          |
| Anthrax                                    | All jurisdictions                        |
| Australian bat lyssavirus                  | All jurisdictions                        |
| Brucellosis                                | All jurisdictions                        |
| Leptospirosis                              | All jurisdictions                        |
| Lyssavirus (NEC)                           | All jurisdictions                        |
| Ornithosis                                 | All jurisdictions                        |
| Q fever                                    | All jurisdictions                        |
| Tularaemia                                 | All jurisdictions                        |
| <b>Other bacterial infections</b>          |                                          |
| Legionellosis                              | All jurisdictions                        |
| Leprosy                                    | All jurisdictions                        |
| Meningococcal infection                    | All jurisdictions                        |
| Tuberculosis                               | All jurisdictions                        |

\* Infections with Shiga-like toxin (verotoxin) producing *Escherichia coli*.

NEC Not elsewhere classified.

Table 2: Notifications of diseases received by state and territory health authorities, 1 October to 31 December 2013, by date of diagnosis\*

| Disease                                     | State or territory |     |    |       |     |     |       |     |                        |                        |                        |                               | Ratio | Year to date 2013 | Last 5 years YTD mean |
|---------------------------------------------|--------------------|-----|----|-------|-----|-----|-------|-----|------------------------|------------------------|------------------------|-------------------------------|-------|-------------------|-----------------------|
|                                             | ACT                | NSW | NT | Qld   | SA  | Tas | Vic   | WA  | Total 4th quarter 2013 | Total 3rd quarter 2012 | Total 4th quarter 2012 | Last 5 years mean 4th quarter |       |                   |                       |
| <b>Bloodborne diseases</b>                  |                    |     |    |       |     |     |       |     |                        |                        |                        |                               |       |                   |                       |
| Hepatitis (NEC)                             | 0                  | 0   | 0  | 0     | 0   | 0   | 0     | 0   | 0                      | 0                      | 0                      | 0                             | 0.0   | 0                 | 0.0                   |
| Hepatitis B (newly acquired) <sup>†</sup>   | 0                  | 9   | 3  | 12    | 1   | 0   | 7     | 12  | 44                     | 34                     | 55                     | 53.4                          | 0.8   | 168               | 226.8                 |
| Hepatitis B (unspecified) <sup>‡</sup>      | 28                 | 663 | 60 | 258   | 63  | 15  | 470   | 185 | 1,742                  | 1,887                  | 1,590                  | 1,606.2                       | 1.1   | 7,026             | 6,707.0               |
| Hepatitis C (newly acquired) <sup>†</sup>   | 5                  | 8   | 0  | NN    | 14  | 2   | 47    | 36  | 112                    | 99                     | 118                    | 102.8                         | 1.1   | 404               | 410.2                 |
| Hepatitis C (unspecified) <sup>‡</sup>      | 36                 | 900 | 49 | 653   | 121 | 51  | 553   | 243 | 2,606                  | 2,773                  | 2,412                  | 2,546.8                       | 1.0   | 10,314            | 10,504.2              |
| Hepatitis D                                 | 0                  | 1   | 0  | 3     | 0   | 0   | 6     | 3   | 13                     | 8                      | 10                     | 7.8                           | 1.7   | 53                | 36.4                  |
| <b>Gastrointestinal diseases</b>            |                    |     |    |       |     |     |       |     |                        |                        |                        |                               |       |                   |                       |
| Botulism                                    | 0                  | 0   | 0  | 0     | 0   | 0   | 0     | 0   | 0                      | 1                      | 0                      | 0.0                           | 0.0   | 4                 | 0.6                   |
| Campylobacteriosis                          | 82                 | NN  | 47 | 1,256 | 392 | 237 | 1,821 | 635 | 4,470                  | 3,520                  | 3,894                  | 4,405.8                       | 1.0   | 14,677            | 16,407.0              |
| Cryptosporidiosis                           | 6                  | 147 | 14 | 176   | 27  | 9   | 137   | 59  | 575                    | 420                    | 438                    | 392.6                         | 1.5   | 3,848             | 2,612.0               |
| Haemolytic uraemic syndrome                 | 0                  | 4   | 0  | 0     | 1   | 0   | 1     | 0   | 6                      | 2                      | 5                      | 5.0                           | 1.2   | 15                | 17.4                  |
| Hepatitis A                                 | 0                  | 10  | 0  | 14    | 4   | 0   | 5     | 0   | 33                     | 45                     | 47                     | 85.4                          | 0.4   | 189               | 283.4                 |
| Hepatitis E                                 | 1                  | 4   | 0  | 2     | 0   | 0   | 2     | 0   | 9                      | 2                      | 8                      | 6.6                           | 1.4   | 31                | 38.0                  |
| Listeriosis                                 | 0                  | 4   | 2  | 0     | 0   | 0   | 7     | 2   | 15                     | 15                     | 28                     | 19.4                          | 0.8   | 76                | 78.8                  |
| STEC, VTEC <sup>§</sup>                     | 1                  | 8   | 0  | 7     | 10  | 0   | 1     | 2   | 29                     | 78                     | 34                     | 32.8                          | 0.9   | 179               | 102.6                 |
| Salmonellosis                               | 43                 | 929 | 84 | 1,066 | 230 | 48  | 680   | 308 | 3,388                  | 2,249                  | 2,823                  | 2,635.8                       | 1.3   | 12,795            | 10,649.0              |
| Shigellosis                                 | 3                  | 51  | 24 | 15    | 9   | 2   | 39    | 27  | 170                    | 128                    | 132                    | 145.2                         | 1.2   | 556               | 608.0                 |
| Typhoid                                     | 3                  | 13  | 0  | 5     | 2   | 0   | 12    | 2   | 37                     | 16                     | 31                     | 27.6                          | 1.3   | 150               | 115.2                 |
| <b>Quarantinable diseases</b>               |                    |     |    |       |     |     |       |     |                        |                        |                        |                               |       |                   |                       |
| Cholera                                     | 0                  | 2   | 0  | 0     | 0   | 0   | 0     | 0   | 2                      | 0                      | 0                      | 0.8                           | 2.5   | 3                 | 4.6                   |
| Highly pathogenic avian influenza in humans | 0                  | 0   | 0  | 0     | 0   | 0   | 0     | 0   | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 0                 | 0.0                   |
| Plague                                      | 0                  | 0   | 0  | 0     | 0   | 0   | 0     | 0   | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 0                 | 0.0                   |
| Rabies                                      | 0                  | 0   | 0  | 0     | 0   | 0   | 0     | 0   | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 0                 | 0.0                   |
| Severe acute respiratory syndrome           | 0                  | 0   | 0  | 0     | 0   | 0   | 0     | 0   | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 0                 | 0.0                   |
| Smallpox                                    | 0                  | 0   | 0  | 0     | 0   | 0   | 0     | 0   | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 0                 | 0.0                   |
| Viral haemorrhagic fever                    | 0                  | 0   | 0  | 0     | 0   | 0   | 0     | 0   | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 0                 | 0.0                   |
| Yellow fever                                | 0                  | 0   | 0  | 0     | 0   | 0   | 0     | 0   | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 0                 | 1.0                   |

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 October to 31 December 2013, by date of diagnosis\*

| Disease                                                   | State or territory |       |     |       |       |     |       | Total 4th quarter 2013 |        |        |        | Total 3rd quarter 2012 |      |        | Total 4th quarter 2012 |  | Last 5 years mean 4th quarter |  | Ratio | Year to date 2013 | Last 5 years YTD mean |
|-----------------------------------------------------------|--------------------|-------|-----|-------|-------|-----|-------|------------------------|--------|--------|--------|------------------------|------|--------|------------------------|--|-------------------------------|--|-------|-------------------|-----------------------|
|                                                           | ACT                | NSW   | NT  | Qld   | SA    | Tas | Vic   | WA                     |        |        |        |                        |      |        |                        |  |                               |  |       |                   |                       |
| <b>Sexually transmissible infections</b>                  |                    |       |     |       |       |     |       |                        |        |        |        |                        |      |        |                        |  |                               |  |       |                   |                       |
| Chlamydial infection <sup>[1][5]</sup>                    | 306                | 5,279 | 758 | 4,934 | 1,112 | 354 | 4,718 | 2,751                  | 20,212 | 20,419 | 19,785 | 17,391.6               | 1.2  | 82,463 | 71,923.0               |  |                               |  |       |                   |                       |
| Donovanosis                                               | 0                  | 0     | 0   | 0     | 0     | 0   | 0     | 0                      | 0      | 0      | 0      | 0.0                    | 0.0  | 0      | 1.0                    |  |                               |  |       |                   |                       |
| Gonococcal infection <sup>[1]</sup>                       | 29                 | 1,012 | 451 | 626   | 161   | 22  | 796   | 521                    | 3,618  | 3,622  | 3,521  | 2,640.6                | 1.4  | 14,932 | 10,443.6               |  |                               |  |       |                   |                       |
| Syphilis – congenital                                     | 0                  | 0     | 1   | 0     | 0     | 0   | 0     | 0                      | 1      | 3      | 0      | 1.0                    | 1.0  | 7      | 4.0                    |  |                               |  |       |                   |                       |
| Syphilis < 2 years duration <sup>[1]</sup>                | 1                  | 138   | 6   | 78    | 13    | 4   | 179   | 20                     | 439    | 462    | 393    | 311.2                  | 1.4  | 1,755  | 1,327.8                |  |                               |  |       |                   |                       |
| Syphilis > 2 years or unspecified duration <sup>[1]</sup> | 4                  | 98    | 14  | 71    | 30    | 1   | 149   | 24                     | 391    | 474    | 322    | 324.6                  | 1.2  | 1,729  | 1,346.6                |  |                               |  |       |                   |                       |
| <b>Vaccine preventable diseases</b>                       |                    |       |     |       |       |     |       |                        |        |        |        |                        |      |        |                        |  |                               |  |       |                   |                       |
| Diphtheria                                                | 0                  | 0     | 0   | 1     | 0     | 0   | 0     | 0                      | 1      | 0      | 0      | 0.0                    | 0.0  | 2      | 0.8                    |  |                               |  |       |                   |                       |
| <i>Haemophilus influenzae</i> type b                      | 0                  | 2     | 0   | 2     | 0     | 0   | 0     | 0                      | 4      | 8      | 3      | 3.8                    | 1.1  | 20     | 19.2                   |  |                               |  |       |                   |                       |
| Influenza (laboratory confirmed)                          | 79                 | 1,078 | 199 | 1,488 | 1,694 | 114 | 1,202 | 600                    | 6,454  | 16,983 | 3,070  | 2,485.0                | 2.6  | 28,279 | 30,693.6               |  |                               |  |       |                   |                       |
| Measles                                                   | 1                  | 15    | 0   | 32    | 13    | 0   | 16    | 10                     | 87     | 44     | 30     | 20.0                   | 4.4  | 158    | 126.4                  |  |                               |  |       |                   |                       |
| Mumps                                                     | 0                  | 17    | 3   | 8     | 2     | 1   | 5     | 3                      | 39     | 44     | 40     | 36.0                   | 1.1  | 218    | 181.0                  |  |                               |  |       |                   |                       |
| Pertussis                                                 | 84                 | 633   | 19  | 844   | 284   | 37  | 821   | 471                    | 3,193  | 2,978  | 5,975  | 9,105.0                | 0.4  | 12,337 | 28,415.2               |  |                               |  |       |                   |                       |
| Pneumococcal disease (invasive)                           | 6                  | 94    | 11  | 54    | 27    | 11  | 91    | 45                     | 339    | 554    | 354    | 363.2                  | 0.9  | 1,547  | 1,705.8                |  |                               |  |       |                   |                       |
| Poliomyelitis                                             | 0                  | 0     | 0   | 0     | 0     | 0   | 0     | 0                      | 0      | 0      | 0      | 0.0                    | 0.0  | 0      | 0.0                    |  |                               |  |       |                   |                       |
| Rubella                                                   | 1                  | 0     | 0   | 3     | 1     | 0   | 1     | 0                      | 6      | 11     | 6      | 6.2                    | 1.0  | 25     | 40.4                   |  |                               |  |       |                   |                       |
| Rubella – congenital                                      | 0                  | 0     | 0   | 0     | 0     | 0   | 1     | 0                      | 1      | 0      | 0      | 0.0                    | 0.0  | 2      | 0.2                    |  |                               |  |       |                   |                       |
| Tetanus                                                   | 0                  | 0     | 0   | 0     | 0     | 0   | 0     | 0                      | 0      | 0      | 4      | 0.8                    | 0.0  | 4      | 3.8                    |  |                               |  |       |                   |                       |
| Varicella zoster (chickenpox)                             | 7                  | NN    | 16  | 56    | 119   | 10  | 330   | 124                    | 662    | 569    | 515    | 586.2                  | 1.1  | 2,038  | 1,894.6                |  |                               |  |       |                   |                       |
| Varicella zoster (shingles)                               | 15                 | NN    | 74  | 14    | 508   | 60  | 356   | 360                    | 1,387  | 1,137  | 1,215  | 904.8                  | 1.5  | 5,007  | 3,340.2                |  |                               |  |       |                   |                       |
| Varicella zoster (unspecified)                            | 36                 | NN    | 3   | 1,467 | 34    | 26  | 858   | 321                    | 2,745  | 2,712  | 2,295  | 1,908.8                | 1.4  | 9,935  | 6,913.2                |  |                               |  |       |                   |                       |
| <b>Vectorborne diseases</b>                               |                    |       |     |       |       |     |       |                        |        |        |        |                        |      |        |                        |  |                               |  |       |                   |                       |
| Arbovirus infection (NEC)                                 | 0                  | 0     | 0   | 4     | 0     | 0   | 0     | 0                      | 4      | 8      | 1      | 2.8                    | 1.4  | 21     | 11.8                   |  |                               |  |       |                   |                       |
| Barmah Forest virus infection                             | 0                  | 63    | 33  | 283   | 1     | 0   | 6     | 73                     | 459    | 798    | 654    | 424.4                  | 1.1  | 4,245  | 1,723.2                |  |                               |  |       |                   |                       |
| Dengue virus infection                                    | 1                  | 70    | 10  | 61    | 24    | 6   | 78    | 84                     | 334    | 512    | 229    | 247.2                  | 1.4  | 1,845  | 1,110.2                |  |                               |  |       |                   |                       |
| Japanese encephalitis virus infection                     | 0                  | 0     | 0   | 0     | 0     | 0   | 0     | 0                      | 0      | 2      | 0      | 0.0                    | 0.0  | 4      | 0.4                    |  |                               |  |       |                   |                       |
| Kunjin virus infection <sup>**</sup>                      | 0                  | 0     | 0   | 3     | 0     | 0   | 0     | 0                      | 3      | 0      | 0      | 0.2                    | 15.0 | 3      | 1.4                    |  |                               |  |       |                   |                       |
| Malaria                                                   | 2                  | 19    | 5   | 19    | 3     | 1   | 17    | 17                     | 83     | 107    | 96     | 105.8                  | 0.8  | 414    | 440.0                  |  |                               |  |       |                   |                       |
| Murray Valley encephalitis virus infection <sup>**</sup>  | 0                  | 0     | 0   | 0     | 0     | 0   | 0     | 0                      | 0      | 1      | 0      | 0.2                    | 0.0  | 1      | 4.6                    |  |                               |  |       |                   |                       |
| Ross River virus infection                                | 1                  | 92    | 88  | 379   | 36    | 3   | 42    | 322                    | 963    | 680    | 707    | 840.6                  | 1.1  | 4,309  | 5,061.0                |  |                               |  |       |                   |                       |

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 October to 31 December 2013, by date of diagnosis

| Disease                    | State or territory |        |       |        |       |       |        |       | Total 4th quarter 2013 | Total 3rd quarter 2012 | Total 4th quarter 2012 | Last 5 years mean 4th quarter | Ratio | Year to date 2013 | Last 5 years YTD mean |
|----------------------------|--------------------|--------|-------|--------|-------|-------|--------|-------|------------------------|------------------------|------------------------|-------------------------------|-------|-------------------|-----------------------|
|                            | ACT                | NSW    | NT    | Qld    | SA    | Tas   | Vic    | WA    |                        |                        |                        |                               |       |                   |                       |
| Zoonoses                   |                    |        |       |        |       |       |        |       |                        |                        |                        |                               |       |                   |                       |
| Anthrax                    | 0                  | 0      | 0     | 0      | 0     | 0     | 0      | 0     | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 0                 | 0.2                   |
| Australian bat lyssavirus  | 0                  | 0      | 0     | 0      | 0     | 0     | 0      | 0     | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 1                 | 0.0                   |
| Brucellosis                | 0                  | 2      | 0     | 3      | 0     | 0     | 0      | 0     | 5                      | 1                      | 7                      | 8.0                           | 0.6   | 14                | 33.4                  |
| Leptospirosis              | 0                  | 3      | 2     | 11     | 1     | 0     | 5      | 0     | 22                     | 23                     | 12                     | 21.4                          | 1.0   | 95                | 142.6                 |
| Lyssavirus (NEC)           | 0                  | 0      | 0     | 0      | 0     | 0     | 0      | 0     | 0                      | 0                      | 0                      | 0.0                           | 0.0   | 0                 | 0.0                   |
| Ornithosis                 | 0                  | 1      | 0     | 1      | 0     | 0     | 12     | 1     | 15                     | 9                      | 31                     | 24.8                          | 0.6   | 47                | 79.0                  |
| Q fever                    | 0                  | 53     | 1     | 52     | 3     | 0     | 8      | 3     | 120                    | 116                    | 86                     | 89.2                          | 1.3   | 475               | 348.0                 |
| Tularaemia                 | 0                  | 0      | 0     | 0      | 0     | 0     | 0      | 0     | 0                      | 0                      | 0                      | 0.5                           | 0.0   | 0                 | 1.0                   |
| Other bacterial infections |                    |        |       |        |       |       |        |       |                        |                        |                        |                               |       |                   |                       |
| Legionellosis              | 2                  | 22     | 4     | 36     | 22    | 2     | 14     | 23    | 125                    | 172                    | 98                     | 86.0                          | 1.5   | 507               | 323.8                 |
| Leprosy                    | 0                  | 1      | 0     | 1      | 1     | 0     | 1      | 0     | 4                      | 3                      | 2                      | 2.6                           | 1.5   | 13                | 8.6                   |
| Meningococcal infection††  | 0                  | 14     | 0     | 10     | 3     | 0     | 5      | 2     | 34                     | 49                     | 41                     | 54.6                          | 0.6   | 149               | 247.8                 |
| Tuberculosis               | 4                  | 118    | 10    | 30     | 20    | 1     | 99     | 45    | 327                    | 336                    | 378                    | 383.4                         | 0.9   | 1,274             | 1,319.4               |
| Total                      | 787                | 11,577 | 1,991 | 14,038 | 4,986 | 1,017 | 13,598 | 7,334 | 55,328                 | 64,114                 | 51,495                 |                               |       | 224,363           |                       |

\* The date of diagnosis is the onset date or where the date of onset was not known, the earliest of the specimen collection date, the notification date, or the notification receive date. For hepatitis B (unspecified), hepatitis C (unspecified), leprosy, syphilis (> 2 years or unspecified duration) and tuberculosis, the public health unit notification receive date was used.

† Newly acquired hepatitis includes cases where the infection was determined to be acquired within 24 months prior to diagnosis. Queensland reports hepatitis C newly acquired under hepatitis unspecified.

‡ Unspecified hepatitis and syphilis includes cases where the duration of infection could not be determined or is greater than 24 months.

§ Infection with Shiga toxin/verotoxin-producing *Escherichia coli*.

|| Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral and throat samples, except for South Australia, which reports only cervical, urine and urethral specimens. From 1 July 2013 case definition changed to exclude all ocular infections.

†† The national case definitions for chlamydial, gonococcal and syphilis diagnoses include infections that may be acquired through a non-sexual mode (especially in children – e.g. perinatal infections, epidemic gonococcal conjunctivitis).

\*\* In the Australian Capital Territory, Murray Valley encephalitis virus infection and Kunjin virus infection are combined under Murray Valley encephalitis virus infection.

†† Only invasive meningococcal disease is nationally notifiable. However, New South Wales and the Australian Capital Territory also report conjunctival cases.

NN Not notifiable

NEC Not elsewhere classified

Totals comprise data from all states and territories. Cumulative figures are subject to retrospective revision so there may be discrepancies between the number of new notifications and the increment in the cumulative figure from the previous period.

**Table 3: Notification rates of diseases, 1 October to 31 December 2013, by state or territory.**  
(Annualised rate per 100,000 population)\*,†

|                                                | State or territory |       |         |       |       |       |       |       |       |
|------------------------------------------------|--------------------|-------|---------|-------|-------|-------|-------|-------|-------|
| Disease                                        | ACT                | NSW   | NT      | Qld   | SA    | Tas.  | Vic.  | WA    | Aust. |
| Bloodborne diseases                            |                    |       |         |       |       |       |       |       |       |
| Hepatitis (NEC)                                | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Hepatitis B (newly acquired)‡                  | 0.0                | 0.5   | 5.1     | 1.1   | 0.2   | 0.0   | 0.5   | 2.0   | 0.8   |
| Hepatitis B (unspecified)§                     | 29.9               | 36.3  | 102.0   | 22.6  | 15.2  | 11.7  | 33.4  | 30.4  | 30.7  |
| Hepatitis C (newly acquired)‡                  | 5.3                | 0.4   | 0.0     | NN    | 3.4   | 1.6   | 3.3   | 5.9   | 2.5   |
| Hepatitis C (unspecified)§                     | 38.4               | 49.3  | 83.3    | 57.2  | 29.2  | 39.8  | 39.3  | 40.0  | 45.9  |
| Hepatitis D                                    | 0.0                | 0.1   | 0.0     | 0.3   | 0.0   | 0.0   | 0.4   | 0.5   | 0.2   |
| Gastrointestinal diseases                      |                    |       |         |       |       |       |       |       |       |
| Botulism                                       | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Campylobacteriosis                             | 87.5               | NN    | 79.9    | 110.0 | 94.7  | 185.0 | 129.4 | 104.4 | 116.0 |
| Cryptosporidiosis                              | 6.4                | 8.1   | 23.8    | 15.4  | 6.5   | 7.0   | 9.7   | 9.7   | 10.1  |
| Haemolytic uraemic syndrome                    | 0.0                | 0.2   | 0.0     | 0.0   | 0.2   | 0.0   | 0.1   | 0.0   | 0.1   |
| Hepatitis A                                    | 0.0                | 0.5   | 0.0     | 1.2   | 1.0   | 0.0   | 0.4   | 0.0   | 0.6   |
| Hepatitis E                                    | 1.1                | 0.2   | 0.0     | 0.2   | 0.0   | 0.0   | 0.1   | 0.0   | 0.2   |
| Listeriosis                                    | 0.0                | 0.2   | 3.4     | 0.0   | 0.0   | 0.0   | 0.5   | 0.3   | 0.3   |
| STEC, VTEC¶                                    | 1.1                | 0.4   | 0.0     | 0.6   | 2.4   | 0.0   | 0.1   | 0.3   | 0.5   |
| Salmonellosis                                  | 45.9               | 50.9  | 142.9   | 93.4  | 55.5  | 37.5  | 48.3  | 50.6  | 59.7  |
| Shigellosis                                    | 3.2                | 2.8   | 40.8    | 1.3   | 2.2   | 1.6   | 2.8   | 4.4   | 3.0   |
| Typhoid fever                                  | 3.2                | 0.7   | 0.0     | 0.4   | 0.5   | 0.0   | 0.9   | 0.3   | 0.7   |
| Quarantinable diseases                         |                    |       |         |       |       |       |       |       |       |
| Cholera                                        | 0.0                | 0.1   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Human pathogenic avian influenza in humans     | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Plague                                         | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Rabies                                         | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Severe acute respiratory syndrome              | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Smallpox                                       | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Viral haemorrhagic fever                       | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Yellow fever                                   | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Sexually transmitted infections                |                    |       |         |       |       |       |       |       |       |
| Chlamydial infection¶,**                       | 326.5              | 289.2 | 1,289.2 | 432.3 | 268.6 | 276.4 | 335.3 | 452.3 | 356.0 |
| Donovanosis                                    | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Gonococcal infection**                         | 30.9               | 55.4  | 767.1   | 54.8  | 38.9  | 17.2  | 56.6  | 85.7  | 63.7  |
| Syphilis – congenital                          | 0.0                | 0.0   | 1.7     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Syphilis < 2 years duration**                  | 1.1                | 7.6   | 10.2    | 6.8   | 3.1   | 3.1   | 12.7  | 3.3   | 7.7   |
| Syphilis > 2 years or unspecified duration§,** | 4.3                | 5.4   | 23.8    | 6.2   | 7.2   | 0.8   | 10.6  | 3.9   | 6.9   |
| Vaccine preventable diseases                   |                    |       |         |       |       |       |       |       |       |
| Diphtheria                                     | 0.0                | 0.0   | 0.0     | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Haemophilus influenzae type b                  | 0.0                | 0.1   | 0.0     | 0.2   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   |
| Influenza (laboratory confirmed)               | 84.3               | 59.1  | 338.5   | 130.4 | 409.1 | 89.0  | 85.4  | 98.7  | 113.7 |
| Measles                                        | 1.1                | 0.8   | 0.0     | 2.8   | 3.1   | 0.0   | 1.1   | 1.6   | 1.5   |
| Mumps                                          | 0.0                | 0.9   | 5.1     | 0.7   | 0.5   | 0.8   | 0.4   | 0.5   | 0.7   |
| Pertussis                                      | 89.6               | 34.7  | 32.3    | 73.9  | 68.6  | 28.9  | 58.3  | 77.4  | 56.2  |
| Pneumococcal disease (invasive)                | 6.4                | 5.1   | 18.7    | 4.7   | 6.5   | 8.6   | 6.5   | 7.4   | 6.0   |
| Poliomyelitis                                  | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Rubella                                        | 1.1                | 0.0   | 0.0     | 0.3   | 0.2   | 0.0   | 0.1   | 0.0   | 0.1   |
| Rubella – congenital                           | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.1   | 0.0   | 0.0   |
| Tetanus                                        | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

**Table 3 continued: Notification rates of diseases, 1 October to 31 December 2013, by state or territory. (Annualised rate per 100,000 population)\*†**

|                                                          | State or territory |     |       |       |       |      |      |      |       |
|----------------------------------------------------------|--------------------|-----|-------|-------|-------|------|------|------|-------|
| Disease                                                  | ACT                | NSW | NT    | Qld   | SA    | Tas. | Vic. | WA   | Aust. |
| Vaccine preventable diseases <i>cont'd</i>               |                    |     |       |       |       |      |      |      |       |
| Varicella zoster (chickenpox)                            | 7.5                | NN  | 27.2  | 4.9   | 28.7  | 7.8  | 23.4 | 20.4 | 17.2  |
| Varicella zoster (shingles)                              | 16.0               | NN  | 125.9 | 1.2   | 122.7 | 46.8 | 25.3 | 59.2 | 36.0  |
| Varicella zoster (unspecified)                           | 38.4               | NN  | 5.1   | 128.5 | 8.2   | 20.3 | 61.0 | 52.8 | 71.3  |
| Vectorborne diseases                                     |                    |     |       |       |       |      |      |      |       |
| Arbovirus infection (NEC)                                | 0.0                | 0.0 | 0.0   | 0.4   | 0.0   | 0.0  | 0.0  | 0.0  | 0.1   |
| Barmah Forest virus infection                            | 0.0                | 3.5 | 56.1  | 24.8  | 0.2   | 0.0  | 0.4  | 12.0 | 8.1   |
| Dengue virus infection                                   | 1.1                | 3.8 | 17.0  | 5.3   | 5.8   | 4.7  | 5.5  | 13.8 | 5.9   |
| Japanese encephalitis virus infection                    | 0.0                | 0.0 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0   |
| Kunjin virus infection <sup>††</sup>                     | 0.0                | 0.0 | 0.0   | 0.3   | 0.0   | 0.0  | 0.0  | 0.0  | 0.1   |
| Malaria                                                  | 2.1                | 1.0 | 8.5   | 1.7   | 0.7   | 0.8  | 1.2  | 2.8  | 1.5   |
| Murray Valley encephalitis virus infection <sup>††</sup> | 0.0                | 0.0 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0   |
| Ross River virus infection                               | 1.1                | 5.0 | 149.7 | 33.2  | 8.7   | 2.3  | 3.0  | 52.9 | 17.0  |
| Zoonoses                                                 |                    |     |       |       |       |      |      |      |       |
| Anthrax                                                  | 0.0                | 0.0 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0   |
| Australia bat lyssavirus                                 | 0.0                | 0.0 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0   |
| Brucellosis                                              | 0.0                | 0.1 | 0.0   | 0.3   | 0.0   | 0.0  | 0.0  | 0.0  | 0.1   |
| Leptospirosis                                            | 0.0                | 0.2 | 3.4   | 1.0   | 0.2   | 0.0  | 0.4  | 0.0  | 0.4   |
| Lyssavirus (NEC)                                         | 0.0                | 0.0 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0   |
| Ornithosis                                               | 0.0                | 0.1 | 0.0   | 0.1   | 0.0   | 0.0  | 0.9  | 0.2  | 0.3   |
| Q fever                                                  | 0.0                | 2.9 | 1.7   | 4.6   | 0.7   | 0.0  | 0.6  | 0.5  | 2.1   |
| Tularaemia                                               | 0.0                | 0.0 | 0.0   | 0.0   | 0.0   | 0.0  | 0.0  | 0.0  | 0.0   |
| Other bacterial diseases                                 |                    |     |       |       |       |      |      |      |       |
| Legionellosis                                            | 2.1                | 1.2 | 6.8   | 3.2   | 5.3   | 1.6  | 1.0  | 3.8  | 2.2   |
| Leprosy                                                  | 0.0                | 0.1 | 0.0   | 0.1   | 0.2   | 0.0  | 0.1  | 0.0  | 0.1   |
| Meningococcal infection <sup>††</sup>                    | 0.0                | 0.8 | 0.0   | 0.9   | 0.7   | 0.0  | 0.4  | 0.3  | 0.6   |
| Tuberculosis                                             | 4.3                | 6.5 | 17.0  | 2.6   | 4.8   | 0.8  | 7.0  | 7.4  | 5.8   |

\* The date of diagnosis is the onset date or where the date of onset was not known, the earliest of the specimen collection date, the notification date, or the notification receive date. For hepatitis B (unspecified), hepatitis C (unspecified), leprosy, syphilis (> 2 years or unspecified duration) and tuberculosis, the public health unit notification receive date was used.

† Rate per 100,000 of population. Annualisation Factor was 4.0

‡ Newly acquired hepatitis includes cases where the infection was determined to be acquired within 24 months prior to diagnosis. Queensland reports hepatitis C newly acquired under hepatitis C unspecified.

§ Unspecified hepatitis and syphilis includes cases where the duration of infection could not be determined or is greater than 24 months.

|| Infection with Shiga toxin/verotoxin-producing *Escherichia coli*.

¶ Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral and throat samples, except for South Australia, which reports only cervical, urine and urethral specimens. From 1 July 2013 case definition changed to exclude all ocular infections.

\*\* The national case definitions for chlamydial, gonococcal and syphilis diagnoses include infections that may be acquired through a non-sexual mode (especially in children – e.g. perinatal infections, epidemic gonococcal conjunctivitis).

†† In the Australian Capital Territory, Murray Valley encephalitis virus infection and Kunjin virus infection are combined under Murray Valley encephalitis virus infection.

‡‡ Only invasive meningococcal disease is nationally notifiable. However, New South Wales and the Australian Capital Territory also report conjunctival cases.

NEC Not elsewhere classified.

NN Not notifiable.