

## Tables

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 32,727 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification date between 1 April and 30 June 2006 (Table 2). The notification rate of diseases per 100,000 population for each state or territory is presented in Table 3.

There were 3,519 reports received by the Virology and Serology Laboratory Reporting Scheme (LabVISE) in the reporting period, 1 April to 30 June 2006 (Tables 4 and 5).

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

| Disease                                   | Data received from:          | Disease                                 | Data received from: |
|---|------------------------------|---|---------------------|
| <b>Bloodborne diseases</b>                |                              | <b>Vaccine preventable diseases</b>     |                     |
| Hepatitis B (incident)                    | All jurisdictions            | Diphtheria                              | All jurisdictions   |
| Hepatitis B (unspecified)                 | All jurisdictions            | <i>Haemophilus influenzae</i> type b    | All jurisdictions   |
| Hepatitis C (incident)                    | All jurisdictions except Qld | Influenza (laboratory confirmed)*       | All jurisdictions   |
| Hepatitis C (unspecified)                 | All jurisdictions            | Measles                                 | All jurisdictions   |
| Hepatitis D                               | All jurisdictions            | Mumps                                   | All jurisdictions   |
| <b>Gastrointestinal diseases</b>          |                              | Pertussis                               | All jurisdictions   |
| Botulism                                  | All jurisdictions            | Pneumococcal disease (invasive)         | All jurisdictions   |
| Campylobacteriosis                        | All jurisdictions except NSW | Poliomyelitis                           | All jurisdictions   |
| Cryptosporidiosis                         | All jurisdictions            | Rubella                                 | All jurisdictions   |
| Haemolytic uraemic syndrome               | All jurisdictions            | Rubella - congenital                    | All jurisdictions   |
| Hepatitis A                               | All jurisdictions            | Tetanus                                 | All jurisdictions   |
| Hepatitis E                               | All jurisdictions            | <b>Vectorborne diseases</b>             |                     |
| Listeriosis                               | All jurisdictions            | Barmah Forest virus infection           | All jurisdictions   |
| Salmonellosis                             | All jurisdictions            | Flavivirus infection (NEC) <sup>†</sup> | All jurisdictions   |
| Shigellosis                               | All jurisdictions            | Dengue                                  | All jurisdictions   |
| SLTEC, VTEC                               | All jurisdictions            | Japanese encephalitis virus             | All jurisdictions   |
| Typhoid                                   | All jurisdictions            | Kunjin virus                            | All jurisdictions   |
| <b>Quarantinable diseases</b>             |                              | Malaria                                 | All jurisdictions   |
| Cholera                                   | All jurisdictions            | Murray Valley encephalitis virus        | All jurisdictions   |
| Plague                                    | All jurisdictions            | Ross River virus infection              | All jurisdictions   |
| Rabies                                    | All jurisdictions            | <b>Zoonoses</b>                         |                     |
| Smallpox                                  | All jurisdictions            | Anthrax                                 | All jurisdictions   |
| Tularemia                                 | All jurisdictions            | Australian bat lyssavirus               | All jurisdictions   |
| Viral haemorrhagic fever                  | All jurisdictions            | Brucellosis                             | All jurisdictions   |
| Yellow fever                              | All jurisdictions            | Leptospirosis                           | All jurisdictions   |
| <b>Sexually transmissible infections</b>  |                              | Lyssaviruses unspecified                | All jurisdictions   |
| Chlamydial infection                      | All jurisdictions            | Ornithosis                              | All jurisdictions   |
| Donovanosis                               | All jurisdictions            | Q fever                                 | All jurisdictions   |
| Gonococcal infection                      | All jurisdictions            | <b>Other bacterial infections</b>       |                     |
| Syphilis (all)                            | All jurisdictions            | Legionellosis                           | All jurisdictions   |
| Syphilis <2 years duration                | All jurisdictions            | Leprosy                                 | All jurisdictions   |
| Syphilis >2 years or unspecified duration | All jurisdictions            | Meningococcal infection                 | All jurisdictions   |
| Syphilis - congenital                     | All jurisdictions            | Tuberculosis                            | All jurisdictions   |

\* Laboratory confirmed influenza is not notifiable in South Australia but reports are forwarded to NNDSS.

† Flavivirus (NEC) replaced Arbovirus (NEC) from 1 January 2004.

Table 2. Notifications of diseases received by State and Territory health authorities in the period 1 April to 30 June 2006, by date of onset\*

| Disease                          | State or territory |       |     |     |     |     |       |     | Total 2nd quarter 2006† | Total 1st quarter 2006 | Total 2nd quarter 2005 | Last 5 years mean 2nd quarter | Year to date 2006 | Last 5 years YTD mean | Ratio† |
|----------------------------------|--------------------|-------|-----|-----|-----|-----|-------|-----|-------------------------|------------------------|------------------------|-------------------------------|-------------------|-----------------------|--------|
|                                  | ACT                | NSW   | NT  | Qld | SA  | Tas | Vic   | WA  |                         |                        |                        |                               |                   |                       |        |
| <b>Bloodborne diseases</b>       |                    |       |     |     |     |     |       |     |                         |                        |                        |                               |                   |                       |        |
| Hepatitis B (incident)           | 0                  | 14    | 2   | 13  | 1   | 1   | 27    | 16  | 74                      | 67                     | 59                     | 90.8                          | 141               | 178.2                 | 0.8    |
| Hepatitis B (unspecified)        | 30                 | 835   | 70  | 257 | 59  | 14  | 377   | 76  | 1,718                   | 1,652                  | 1,611                  | 1,643.6                       | 3,370             | 3,262.0               | 1.0    |
| Hepatitis C (incident)           | 5                  | 12    | 1   | 0   | 9   | 0   | 30    | 29  | 86                      | 120                    | 99                     | 121.4                         | 206               | 252.0                 | 0.7    |
| Hepatitis C (unspecified)        | 52                 | 1,392 | 57  | 756 | 99  | 67  | 622   | 196 | 3,241                   | 3,884                  | 3,102                  | 3,633.2                       | 7,125             | 7,513.4               | 0.9    |
| Hepatitis D                      | 0                  | 6     | 0   | 0   | 0   | 0   | 0     | 0   | 6                       | 9                      | 4                      | 6.6                           | 15                | 11.4                  | 0.9    |
| <b>Gastrointestinal diseases</b> |                    |       |     |     |     |     |       |     |                         |                        |                        |                               |                   |                       |        |
| Botulism                         | 0                  | 0     | 0   | 0   | 0   | 0   | 0     | 0   | 0                       | 0                      | 1                      | 0.3                           | 0                 | 1.0                   | 0.0    |
| Campylobacteriosis§              | 85                 | NN    | 63  | 919 | 473 | 119 | 1,242 | 383 | 3,284                   | 3,636                  | 3,530                  | 3,417.8                       | 6,920             | 7,466.2               | 1.0    |
| Cryptosporidiosis                | 36                 | 182   | 12  | 203 | 66  | 8   | 370   | 42  | 919                     | 1,510                  | 828                    | 525.6                         | 2,429             | 1,514.2               | 1.7    |
| Haemolytic uraemic syndrome      | 0                  | 0     | 0   | 0   | 0   | 0   | 0     | 0   | 0                       | 5                      | 4                      | 2.4                           | 5                 | 5.6                   | 0.0    |
| Hepatitis A                      | 0                  | 25    | 7   | 3   | 3   | 0   | 8     | 12  | 58                      | 105                    | 87                     | 97.8                          | 163               | 209.6                 | 0.6    |
| Hepatitis E                      | 0                  | 1     | 0   | 1   | 1   | 0   | 1     | 0   | 4                       | 7                      | 7                      | 4.6                           | 11                | 12.2                  | 0.9    |
| Listeriosis                      | 0                  | 5     | 0   | 0   | 0   | 0   | 1     | 1   | 7                       | 25                     | 14                     | 17.0                          | 32                | 34.2                  | 0.4    |
| Salmonellosis (NEC)              | 25                 | 406   | 108 | 667 | 141 | 47  | 302   | 168 | 1,864                   | 3,099                  | 1,957                  | 1,842.8                       | 4,963             | 4,537.8               | 1.0    |
| Shigellosis                      | 1                  | 16    | 33  | 23  | 7   | 1   | 20    | 31  | 132                     | 188                    | 180                    | 140.0                         | 320               | 314.0                 | 0.9    |
| SLTEC, VTEC†                     | 0                  | 3     | 0   | 4   | 8   | 0   | 0     | 2   | 17                      | 17                     | 32                     | 15.0                          | 34                | 31.2                  | 1.1    |
| Typhoid                          | 0                  | 7     | 1   | 4   | 0   | 0   | 5     | 4   | 21                      | 23                     | 10                     | 10.0                          | 44                | 37.6                  | 2.1    |
| <b>Quarantinable diseases</b>    |                    |       |     |     |     |     |       |     |                         |                        |                        |                               |                   |                       |        |
| Cholera                          | 0                  | 0     | 0   | 0   | 0   | 0   | 0     | 0   | 0                       | 0                      | 1                      | 1.0                           | 0                 | 2.0                   | 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    |
| Smallpox                         | 0                  | 0     | 0   | 0   | 0   | 0   | 0     | 0   | 0                       | 0                      | 0                      | 0.0                           | 0                 | 0.0                   | 0.0    |
| Tularemia                        | 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    |

Table 2. Notifications of diseases received by State and Territory health authorities in the period 1 April to 30 June 2006, by date of onset,\* continued

| Disease                                     | State or territory |       |     |       |     |     |       |       | Total 2nd quarter 2006† | Total 1st quarter 2006 | Total 2nd quarter 2005 | Last 5 years mean 2nd quarter | Year to date 2006 | Last 5 years YTD mean | Ratio† |
|---|--------------------|-------|-----|-------|-----|-----|-------|-------|-------------------------|------------------------|------------------------|-------------------------------|-------------------|-----------------------|--------|
|   | ACT                | NSW   | NT  | Qld   | SA  | Tas | Vic   | WA    |                         |                        |                        |                               |                   |                       |        |
| <b>Sexually transmissible infections</b>    |                    |       |     |       |     |     |       |       |                         |                        |                        |                               |                   |                       |        |
| Chlamydia infection**                       | 199                | 2,835 | 515 | 2,811 | 805 | 215 | 2,459 | 1,353 | 11,698                  | 10,909                 | 7,730.6                | 22,890                        | 15,368.0          | 1.4                   |        |
| Donovanosis                                 | 0                  | 0     | 1   | 1     | 0   | 0   | 0     | 0     | 2                       | 2                      | 4.0                    | 2                             | 9.6               | 0.5                   |        |
| Gonococcal infection                        | 7                  | 398   | 512 | 387   | 191 | 10  | 338   | 451   | 2,346                   | 2,059                  | 1,794.8                | 4,640                         | 3,571.2           | 1.3                   |        |
| Syphilis (all)                              | 1                  | 233   | 90  | 91    | 15  | 6   | 153   | 21    | 610                     | 590                    | 538.4                  | 1,227                         | 621.6             | 1.3                   |        |
| Syphilis < two years duration               | 0                  | 21    | 42  | 38    | 1   | 0   | 62    | 8     | 158                     | 161                    | 154.0                  | 330                           | 286.5             | 1.1                   |        |
| Syphilis >two years or unspecified duration | 1                  | 212   | 48  | 53    | 14  | 6   | 91    | 13    | 438                     | 429                    | 400.0                  | 897                           | 745.5             | 1.1                   |        |
| Syphilis - congenital                       | 0                  | 2     | 3   | 0     | 0   | 0   | 0     | 0     | 5                       | 6                      | 4.8                    | 8                             | 8.0               | 1.0                   |        |
| <b>Vaccine preventable disease</b>          |                    |       |     |       |     |     |       |       |                         |                        |                        |                               |                   |                       |        |
| Diphtheria                                  | 0                  | 0     | 0   | 0     | 0   | 0   | 0     | 0     | 0                       | 0                      | 0.0                    | 0                             | 0.2               | 0.0                   |        |
| <i>Haemophilus influenzae</i> type b        | 0                  | 1     | 0   | 0     | 0   | 0   | 0     | 0     | 1                       | 1                      | 7.2                    | 3                             | 12.4              | 0.1                   |        |
| Influenza (laboratory confirmed)‡           | 8                  | 57    | 5   | 151   | 8   | 2   | 111   | 27    | 179                     | 796                    | 378.0                  | 548                           | 530.8             | 1.0                   |        |
| Measles                                     | 1                  | 46    | 0   | 1     | 8   | 11  | 4     | 25    | 16                      | 2                      | 11.6                   | 112                           | 35.0              | 8.3                   |        |
| Mumps                                       | 0                  | 50    | 1   | 22    | 4   | 0   | 6     | 5     | 42                      | 74                     | 34.6                   | 130                           | 64.2              | 2.5                   |        |
| Pertussis                                   | 77                 | 1,143 | 21  | 486   | 484 | 5   | 220   | 46    | 2,418                   | 2,556                  | 1,496.8                | 4,900                         | 3,000.0           | 1.7                   |        |
| Pneumococcal disease (invasive)‡            | 7                  | 166   | 10  | 62    | 26  | 6   | 74    | 38    | 208                     | 459                    | 543.4                  | 597                           | 830.2             | 0.7                   |        |
| Poliomyelitis                               | 0                  | 0     | 0   | 0     | 0   | 0   | 0     | 0     | 0                       | 0                      | 0.0                    | 0                             | 0.0               | 0.0                   |        |
| Rubella                                     | 0                  | 11    | 0   | 4     | 0   | 0   | 2     | 0     | 7                       | 14                     | 28.6                   | 24                            | 60.8              | 0.6                   |        |
| Rubella - congenital                        | 0                  | 0     | 0   | 0     | 0   | 0   | 0     | 0     | 0                       | 0                      | 0.2                    | 0                             | 0.6               | 0.0                   |        |
| Tetanus                                     | 0                  | 0     | 0   | 0     | 0   | 0   | 0     | 0     | 1                       | 1                      | 0.6                    | 1                             | 2.4               | 0.0                   |        |
| <b>Vectorborne diseases</b>                 |                    |       |     |       |     |     |       |       |                         |                        |                        |                               |                   |                       |        |
| Barmah Forest virus infection               | 1                  | 218   | 34  | 288   | 45  | 0   | 10    | 39    | 731                     | 438                    | 466.0                  | 1,366                         | 789.2             | 1.4                   |        |
| Dengue                                      | 2                  | 10    | 3   | 35    | 3   | 0   | 1     | 4     | 60                      | 43                     | 92.2                   | 118                           | 247.4             | 0.6                   |        |
| Flavivirus infection (NEC)                  | 0                  | 0     | 0   | 9     | 0   | 0   | 0     | 0     | 21                      | 8                      | 16.2                   | 30                            | 37.8              | 0.6                   |        |
| Japanese encephalitis virus‡                | 0                  | 0     | 0   | 0     | 0   | 0   | 0     | 0     | 0                       | 0                      | 0.2                    | 0                             | 0.4               | 0.0                   |        |
| Kunjin virus‡                               | 0                  | 0     | 0   | 3     | 0   | 0   | 0     | 1     | 1                       | 0                      | 1.4                    | 5                             | 6.4               | 2.9                   |        |
| Malaria                                     | 4                  | 29    | 18  | 91    | 6   | 10  | 28    | 22    | 215                     | 168                    | 152.2                  | 423                           | 361.8             | 1.4                   |        |
| Murray Valley encephalitis virus‡           | 0                  | 0     | 0   | 0     | 0   | 0   | 0     | 1     | 1                       | 0                      | 0.0                    | 1                             | 2.0               | 0.0                   |        |
| Ross River virus infection                  | 0                  | 294   | 28  | 574   | 28  | 5   | 14    | 154   | 3,345                   | 556                    | 1,200.2                | 4,442                         | 2,469.2           | 0.9                   |        |

Table 2. Notifications of diseases received by State and Territory health authorities in the period 1 April to 30 June 2006, by date of onset,\* continued

| Disease                                 | State or territory |       |       |       |       |     |       | Total 2nd quarter 2006† | Total 1st quarter 2006 | Total 2nd quarter 2005 | Last 5 years mean 2nd quarter | Year to date 2006 | Last 5 years YTD mean | Ratio‡ |
|---|--------------------|-------|-------|-------|-------|-----|-------|-------------------------|------------------------|------------------------|-------------------------------|-------------------|-----------------------|--------|
|   | ACT                | NSW   | NT    | Qld   | SA    | Tas | Vic   |                         |                        |                        |                               |                   |                       |        |
| <b>Zoonoses</b>                         |                    |       |       |       |       |     |       |                         |                        |                        |                               |                   |                       |        |
| Anthrax <sup>  </sup>                   | 0                  | 0     | 0     | 0     | 0     | 0   | 0     | 0                       | 1                      | 0                      | 0.0                           | 1                 | 0.0                   | 0.0    |
| Australian bat lyssavirus <sup>  </sup> | 0                  | 0     | 0     | 0     | 0     | 0   | 0     | 0                       | 0                      | 0                      | 0.0                           | 0                 | 0.0                   | 0.0    |
| Brucellosis                             | 0                  | 0     | 0     | 4     | 0     | 0   | 1     | 0                       | 18                     | 4                      | 6.0                           | 23                | 14.4                  | 0.8    |
| Leptospirosis                           | 0                  | 5     | 0     | 52    | 1     | 0   | 0     | 0                       | 49                     | 36                     | 48.0                          | 107               | 111.0                 | 1.2    |
| Lyssavirus unspecified <sup>  </sup>    | 0                  | 0     | 0     | 0     | 0     | 0   | 0     | 0                       | 0                      | 0                      | 0.0                           | 0                 | 0.0                   | 0.0    |
| Ornithosis                              | 1                  | 19    | 0     | 1     | 0     | 0   | 14    | 1                       | 44                     | 53                     | 49.2                          | 80                | 89.8                  | 0.7    |
| Q fever                                 | 1                  | 33    | 2     | 25    | 6     | 0   | 3     | 0                       | 97                     | 116                    | 148.4                         | 167               | 307.8                 | 0.5    |
| <b>Other bacterial infections</b>       |                    |       |       |       |       |     |       |                         |                        |                        |                               |                   |                       |        |
| Legionellosis                           | 0                  | 24    | 2     | 8     | 13    | 1   | 13    | 11                      | 98                     | 77                     | 89.2                          | 170               | 166.2                 | 0.8    |
| Leprosy                                 | 0                  | 0     | 0     | 0     | 0     | 0   | 0     | 1                       | 1                      | 1                      | 1.2                           | 2                 | 4.6                   | 0.8    |
| Meningococcal infection <sup>††</sup>   | 0                  | 18    | 2     | 16    | 6     | 2   | 21    | 4                       | 74                     | 74                     | 124.6                         | 143               | 227.6                 | 0.6    |
| Tuberculosis                            | 3                  | 98    | 6     | 34    | 15    | 4   | 76    | 34                      | 293                    | 268                    | 239.0                         | 563               | 478.6                 | 1.1    |
| <b>Total</b>                            | 553                | 8,594 | 1,637 | 8,764 | 2,874 | 553 | 6,553 | 3,198                   | 38,116                 | 30,839                 | 26,757.5                      | 70,842            | 55,233.0              | 1.2    |

\* Date of onset = the true onset. If this is not available, the 'date of onset' is equivalent to the earliest of two dates: (i) specimen date of collection, or (ii) the date of notification to the public health unit. Hepatitis B and C unspecified were analysed by the date of notification.

† 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.

‡ Ratio = ratio of current quarter total to the mean of last 5 years for the same quarter.

§ Not reported for New South Wales where it is only notifiable as 'foodborne disease' or 'gastroenteritis in an institution'.

|| Notifiable from January 2001 only. Ratio and mean calculations are based on the last five years.

¶ Infections with Shiga-like toxin (verotoxin) producing *Escherichia coli* (SLTEC/VTEC).

\*\* Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral, throat and eye samples, except for South Australia which reports only genital tract specimens, Northern Territory which excludes ocular specimens, and Western Australia which excludes ocular and perinatal infections.

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

Note Ratios for Syphilis < 2 years; syphilis > 2 years or unspecified duration based on 2 years data

NN Not notifiable.

NEC Not elsewhere classified.

**Table 3. Notification rates of diseases, 1 April to 30 June 2006, by state or territory. (Rate per 100,000 population)**

| Disease*                                  | State or territory |       |         |       |       |       |       |       | Aust  |
|---|--------------------|-------|---------|-------|-------|-------|-------|-------|-------|
|   | ACT                | NSW   | NT      | Qld   | SA    | Tas   | Vic   | WA    |       |
| <b>Bloodborne diseases</b>                |                    |       |         |       |       |       |       |       |       |
| Hepatitis B (incident)                    | 0.0                | 0.8   | 3.9     | 1.3   | 0.3   | 0.8   | 2.2   | 3.2   | 1.5   |
| Hepatitis B (unspecified)                 | 36.9               | 49.3  | 138.1   | 25.9  | 15.3  | 11.5  | 30.0  | 15.1  | 33.8  |
| Hepatitis C (incident)                    | 6.2                | 0.7   | 2.0     | 0.0   | 2.3   | 0.0   | 2.4   | 5.8   | 1.7   |
| Hepatitis C (unspecified)                 | 64.0               | 82.2  | 112.4   | 76.3  | 25.7  | 55.2  | 49.5  | 39.0  | 63.8  |
| Hepatitis D                               | 0.0                | 0.4   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   |
| <b>Gastrointestinal diseases</b>          |                    |       |         |       |       |       |       |       |       |
| Botulism                                  | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Campylobacteriosis <sup>†</sup>           | 104.6              | NN    | 124.3   | 92.7  | 122.7 | 98.1  | 98.9  | 76.2  | 96.9  |
| Cryptosporidiosis                         | 44.3               | 10.7  | 23.7    | 20.5  | 17.1  | 6.6   | 29.5  | 8.4   | 18.1  |
| Haemolytic uraemic syndrome               | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Hepatitis A                               | 0.0                | 1.5   | 13.8    | 0.3   | 0.8   | 0.0   | 0.6   | 2.4   | 1.1   |
| Hepatitis E                               | 0.0                | 0.1   | 0.0     | 0.1   | 0.3   | 0.0   | 0.1   | 0.0   | 0.1   |
| Listeriosis                               | 0.0                | 0.3   | 0.0     | 0.0   | 0.0   | 0.0   | 0.1   | 0.2   | 0.1   |
| Salmonellosis (NEC)                       | 30.8               | 24.0  | 213.0   | 67.3  | 36.6  | 38.7  | 24.1  | 33.4  | 36.7  |
| Shigellosis                               | 1.2                | 0.9   | 65.1    | 2.3   | 1.8   | 0.8   | 1.6   | 6.2   | 2.6   |
| SLTEC, VTEC <sup>‡</sup>                  | 0.0                | 0.2   | 0.0     | 0.4   | 2.1   | 0.0   | 0.0   | 0.4   | 0.3   |
| Typhoid                                   | 0.0                | 0.4   | 2.0     | 0.4   | 0.0   | 0.0   | 0.4   | 0.8   | 0.4   |
| <b>Quarantinable diseases</b>             |                    |       |         |       |       |       |       |       |       |
| Cholera                                   | 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   |
| Smallpox                                  | 0.0                | 0.0   | 0.0     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Tularemia                                 | 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   |
| <b>Sexually transmissible infections</b>  |                    |       |         |       |       |       |       |       |       |
| Chlamydial infection <sup>§</sup>         | 244.8              | 167.4 | 1,015.8 | 283.7 | 208.8 | 177.2 | 195.8 | 269.2 | 220.3 |
| Donovanosis                               | 0.0                | 0.0   | 2.0     | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| Gonococcal infection                      | 8.6                | 23.5  | 1,009.9 | 39.1  | 49.5  | 8.2   | 26.9  | 89.7  | 45.1  |
| Syphilis (all)                            | 1.2                | 13.8  | 177.5   | 9.2   | 3.9   | 4.9   | 12.2  | 4.2   | 12.0  |
| Syphilis <2 years duration                | 0.0                | 1.2   | 82.8    | 3.8   | 0.3   | 0.0   | 4.9   | 1.6   | 3.4   |
| Syphilis >2 years or unspecified duration | 1.2                | 12.5  | 94.7    | 5.3   | 3.6   | 4.9   | 7.2   | 2.6   | 8.6   |
| Syphilis - congenital                     | 0.0                | 0.1   | 5.9     | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.1   |

**Table 3. Notification rates of diseases, 1 April to 30 June 2006, by state or territory. (Rate per 100,000 population), *continued***

| Disease*                              | State or territory |      |      |      |       |     |      |      | Aust |
|---------------------------------------|--------------------|------|------|------|-------|-----|------|------|------|
|                                       | ACT                | NSW  | NT   | Qld  | SA    | Tas | Vic  | WA   |      |
| <b>Vaccine preventable diseases</b>   |                    |      |      |      |       |     |      |      |      |
| Diphtheria                            | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.0  | 0.0  |
| <i>Haemophilus influenzae</i> type b  | 0.0                | 0.1  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.0  | 0.0  |
| Influenza (laboratory confirmed)      | 9.8                | 3.4  | 9.9  | 15.2 | 2.1   | 1.6 | 8.8  | 5.4  | 7.3  |
| Measles                               | 1.2                | 2.7  | 0.0  | 0.1  | 2.1   | 9.1 | 0.3  | 5.0  | 1.9  |
| Mumps                                 | 0.0                | 3.0  | 2.0  | 2.2  | 1.0   | 0.0 | 0.5  | 1.0  | 1.7  |
| Pertussis                             | 94.7               | 67.5 | 41.4 | 49.0 | 125.5 | 4.1 | 17.5 | 9.2  | 48.8 |
| Pneumococcal disease (invasive)       | 8.6                | 9.8  | 19.7 | 6.3  | 6.7   | 4.9 | 5.9  | 7.6  | 7.7  |
| Poliomyelitis                         | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.0  | 0.0  |
| Rubella                               | 0.0                | 0.6  | 0.0  | 0.4  | 0.0   | 0.0 | 0.2  | 0.0  | 0.3  |
| Rubella - congenital                  | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.0  | 0.0  |
| Tetanus                               | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.0  | 0.0  |
| <b>Vectorborne diseases</b>           |                    |      |      |      |       |     |      |      |      |
| Barmah Forest virus infection         | 1.2                | 12.9 | 67.1 | 29.1 | 11.7  | 0.0 | 0.8  | 7.8  | 12.5 |
| Dengue                                | 2.5                | 0.6  | 5.9  | 3.5  | 0.8   | 0.0 | 0.1  | 0.8  | 1.1  |
| Flavivirus infection (NEC)            | 0.0                | 0.0  | 0.0  | 0.9  | 0.0   | 0.0 | 0.0  | 0.0  | 0.2  |
| Japanese encephalitis virus           | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.0  | 0.0  |
| Kunjin virus                          | 0.0                | 0.0  | 0.0  | 0.3  | 0.0   | 0.0 | 0.0  | 0.2  | 0.1  |
| Malaria                               | 4.9                | 1.7  | 35.5 | 9.2  | 1.6   | 8.2 | 2.2  | 4.4  | 4.1  |
| Murray Valley encephalitis virus      | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.2  | 0.0  |
| Ross River virus infection            | 0.0                | 17.4 | 55.2 | 57.9 | 7.3   | 4.1 | 1.1  | 30.6 | 21.6 |
| <b>Zoonoses</b>                       |                    |      |      |      |       |     |      |      |      |
| Anthrax                               | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.0  | 0.0  |
| Australian bat lyssavirus             | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.0  | 0.0  |
| Brucellosis                           | 0.0                | 0.0  | 0.0  | 0.4  | 0.0   | 0.0 | 0.1  | 0.0  | 0.1  |
| Leptospirosis                         | 0.0                | 0.3  | 0.0  | 5.2  | 0.3   | 0.0 | 0.0  | 0.0  | 1.1  |
| Lyssavirus unspecified                | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.0  | 0.0  |
| Ornithosis                            | 1.2                | 1.1  | 0.0  | 0.1  | 0.0   | 0.0 | 1.1  | 0.2  | 0.7  |
| Q fever                               | 1.2                | 1.9  | 3.9  | 2.5  | 1.6   | 0.0 | 0.2  | 0.0  | 1.4  |
| <b>Other bacterial infections</b>     |                    |      |      |      |       |     |      |      |      |
| Legionellosis                         | 0.0                | 1.4  | 3.9  | 0.8  | 3.4   | 0.8 | 1.0  | 2.2  | 1.4  |
| Leprosy                               | 0.0                | 0.0  | 0.0  | 0.0  | 0.0   | 0.0 | 0.0  | 0.2  | 0.0  |
| Meningococcal infection <sup>  </sup> | 0.0                | 1.1  | 3.9  | 1.6  | 1.6   | 1.6 | 1.7  | 0.8  | 1.4  |
| Tuberculosis                          | 3.7                | 5.8  | 11.8 | 3.4  | 3.9   | 3.3 | 6.1  | 6.8  | 5.3  |

\* Rates are subject to retrospective revision.

† Not reported for New South Wales where it is only notifiable as 'foodborne disease' or 'gastroenteritis in an institution'.

‡ Infections with Shiga-like toxin (verotoxin) producing *Escherichia coli* (SLTEC/VTEC).

§ Includes *Chlamydia trachomatis* identified from cervical, rectal, urine, urethral, throat and eye samples, except for South Australia which reports only genital tract specimens, Northern Territory which excludes ocular specimens, and Western Australia which excludes ocular and perinatal infections.

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

NN Not notifiable.

NEC Not elsewhere classified.

**Table 4. Virology and serology laboratory reports by state or territory\* for the reporting period 1 April to 30 June 2006, and total reports for the year†**

|                                   | State or territory |     |    |     |    |     |     |    | This period 2006 | This period 2005 | Year to date 2006 | Year to date 2005 |
|-----------------------------------|--------------------|-----|----|-----|----|-----|-----|----|------------------|------------------|-------------------|-------------------|
|                                   | ACT                | NSW | NT | Qld | SA | Tas | Vic | WA |                  |                  |                   |                   |
| <b>Measles, mumps, rubella</b>    |                    |     |    |     |    |     |     |    |                  |                  |                   |                   |
| Measles virus                     | 0                  | 23  | 0  | 0   | 9  | 6   | 3   | 0  | 41               | 1                | 52                | 3                 |
| Mumps virus                       | 1                  | 0   | 0  | 4   | 0  | 0   | 6   | 0  | 11               | 12               | 23                | 18                |
| Rubella virus                     | 0                  | 0   | 0  | 1   | 0  | 0   | 3   | 0  | 6                | 3                | 8                 | 7                 |
| <b>Hepatitis viruses</b>          |                    |     |    |     |    |     |     |    |                  |                  |                   |                   |
| Hepatitis A virus                 | 0                  | 0   | 1  | 1   | 2  | 0   | 1   | 0  | 5                | 11               | 16                | 17                |
| Hepatitis D virus                 | 0                  | 0   | 0  | 1   | 1  | 0   | 0   | 0  | 2                | 4                | 4                 | 6                 |
| Hepatitis E virus                 | 0                  | 0   | 0  | 0   | 0  | 0   | 1   | 0  | 1                | 3                | 4                 | 9                 |
| <b>Arboviruses</b>                |                    |     |    |     |    |     |     |    |                  |                  |                   |                   |
| Ross River virus                  | 0                  | 9   | 4  | 149 | 15 | 0   | 2   | 9  | 188              | 74               | 976               | 282               |
| Barmah Forest virus               | 0                  | 5   | 0  | 61  | 7  | 0   | 4   | 0  | 77               | 76               | 221               | 130               |
| Flavivirus (unspecified)          | 0                  | 0   | 0  | 9   | 0  | 0   | 0   | 0  | 9                | 7                | 39                | 20                |
| Adenovirus not typed/<br>pending  | 0                  | 36  | 0  | 8   | 9  | 0   | 1   | 0  | 65               | 172              | 218               | 285               |
| <b>Herpesviruses</b>              |                    |     |    |     |    |     |     |    |                  |                  |                   |                   |
| Herpes virus type 6               | 0                  | 0   | 0  | 0   | 0  | 0   | 1   | 0  | 1                |                  | 2                 | 1                 |
| Cytomegalovirus                   | 0                  | 60  | 0  | 31  | 51 | 6   | 12  | 0  | 160              | 240              | 485               | 411               |
| Varicella-zoster virus            | 1                  | 32  | 1  | 165 | 41 | 0   | 6   | 0  | 246              | 366              | 598               | 730               |
| Epstein-Barr virus                | 0                  | 4   | 22 | 133 | 33 | 5   | 6   | 68 | 271              | 412              | 814               | 981               |
| <b>Other DNA viruses</b>          |                    |     |    |     |    |     |     |    |                  |                  |                   |                   |
| Parvovirus                        | 0                  | 0   | 0  | 16  | 6  | 0   | 9   | 0  | 31               | 24               | 82                | 79                |
| <b>Picornavirus family</b>        |                    |     |    |     |    |     |     |    |                  |                  |                   |                   |
| Coxsackievirus A9                 | 0                  | 3   | 0  | 0   | 0  | 0   | 0   | 0  | 3                | 1                | 5                 | 2                 |
| Coxsackievirus A16                | 0                  | 2   | 0  | 0   | 0  | 0   | 0   | 0  | 2                | 3                | 2                 | 3                 |
| Echovirus type 11                 | 0                  | 1   | 0  | 0   | 0  | 0   | 0   | 0  | 1                | 2                | 1                 | 3                 |
| Echovirus type 18                 | 0                  | 1   | 0  | 0   | 0  | 0   | 0   | 0  | 1                | 3                | 1                 | 10                |
| Echovirus type 22                 | 0                  | 1   | 0  | 0   | 0  | 0   | 0   | 0  | 2                | 1                | 4                 | 1                 |
| Echovirus type 30                 | 0                  | 4   | 0  | 0   | 0  | 0   | 0   | 0  | 4                | 10               | 15                | 19                |
| Rhinovirus (all types)            | 0                  | 9   | 0  | 0   | 1  | 0   | 0   | 0  | 11               | 89               | 28                | 171               |
| Enterovirus not typed/<br>pending | 2                  | 16  | 0  | 4   | 0  | 0   | 0   | 0  | 22               | 41               | 76                | 65                |
| <b>Ortho/paramyoviruses</b>       |                    |     |    |     |    |     |     |    |                  |                  |                   |                   |
| Influenza A virus                 | 0                  | 0   | 0  | 3   | 6  | 0   | 2   | 0  | 11               | 96               | 40                | 120               |
| Influenza B virus                 | 0                  | 2   | 0  | 1   | 5  | 0   | 6   | 0  | 14               | 49               | 20                | 82                |
| Parainfluenza virus type 1        | 0                  | 12  | 0  | 0   | 6  | 0   | 2   | 0  | 22               | 19               | 43                | 29                |
| Parainfluenza virus type 2        | 0                  | 3   | 0  | 1   | 0  | 0   | 0   | 0  | 5                | 27               | 6                 | 33                |
| Parainfluenza virus type 3        | 0                  | 4   | 0  | 0   | 0  | 0   | 0   | 0  | 4                | 53               | 16                | 99                |
| Respiratory syncytial virus       | 0                  | 110 | 0  | 62  | 3  | 2   | 8   | 0  | 232              | 720              | 333               | 832               |
| <b>Other RNA viruses</b>          |                    |     |    |     |    |     |     |    |                  |                  |                   |                   |
| Rotavirus                         | 0                  | 22  | 0  | 0   | 7  | 5   | 1   | 0  | 44               | 170              | 107               | 239               |
| Norwalk agent                     | 0                  | 0   | 0  | 0   | 0  | 0   | 273 | 0  | 273              | 80               | 463               | 95                |

**Table 4. Virology and serology laboratory reports by state or territory\* for the reporting period 1 April to 30 June 2005, and total reports for the year,† *continued***

|   | State or territory |            |           |              |            |           |            |           | This period 2006 | This period 2005 | Year to date 2006 | Year to date 2005 |
|---|--------------------|------------|-----------|--------------|------------|-----------|------------|-----------|------------------|------------------|-------------------|-------------------|
|   | ACT                | NSW        | NT        | Qld          | SA         | Tas       | Vic        | WA        |                  |                  |                   |                   |
| <b>Other</b>                            |                    |            |           |              |            |           |            |           |                  |                  |                   |                   |
| <i>Chlamydia trachomatis</i> not typed  | 5                  | 212        | 1         | 483          | 209        | 13        | 8          | 0         | 938              | 1,348            | 2,415             | 2,539             |
| <i>Chlamydia psittaci</i>               | 0                  | 3          | 0         | 0            | 0          | 0         | 13         | 0         | 16               | 16               | 26                | 30                |
| <i>Chlamydia</i> species                | 0                  | 0          | 0         | 0            | 0          | 0         | 1          | 0         | 1                |                  | 1                 |                   |
| <i>Mycoplasma pneumoniae</i>            | 0                  | 10         | 3         | 128          | 22         | 4         | 66         | 18        | 251              | 244              | 596               | 502               |
| <i>Coxiella burnetii</i> (Q fever)      | 0                  | 0          | 2         | 9            | 5          | 0         | 4          | 0         | 20               | 52               | 68                | 87                |
| <i>Rickettsia tsutsugamushi</i>         | 0                  | 0          | 0         | 0            | 3          | 0         | 0          | 0         | 3                | 8                | 20                | 19                |
| <i>Rickettsia</i> - spotted fever group | 0                  | 0          | 0         | 0            | 5          | 0         | 0          | 0         | 5                | 48               | 62                | 97                |
| <i>Streptococcus</i> group A            | 0                  | 1          | 0         | 104          | 0          | 0         | 22         | 0         | 127              | 138              | 264               | 242               |
| <i>Yersinia enterocolitica</i>          | 0                  | 1          | 0         | 0            | 0          | 0         | 0          | 0         | 1                | 2                | 4                 | 6                 |
| <i>Brucella</i> species                 | 0                  | 0          | 0         | 1            | 0          | 0         | 0          | 0         | 1                | 1                | 3                 | 3                 |
| <i>Bordetella pertussis</i>             | 0                  | 12         | 0         | 55           | 65         | 0         | 27         | 0         | 162              | 365              | 591               | 751               |
| <i>Legionella pneumophila</i>           | 0                  | 3          | 0         | 0            | 1          | 0         | 3          | 0         | 7                | 7                | 15                | 14                |
| <i>Legionella longbeachae</i>           | 1                  | 0          | 0         | 0            | 1          | 0         | 0          | 0         | 2                | 7                | 10                | 19                |
| <i>Cryptococcus</i> species             | 0                  | 0          | 0         | 3            | 0          | 0         | 0          | 0         | 3                | 15               | 13                | 25                |
| <i>Leptospira</i> species               | 0                  | 0          | 0         | 4            | 0          | 0         | 0          | 0         | 4                | 13               | 11                | 16                |
| <i>Treponema pallidum</i>               | 0                  | 30         | 0         | 129          | 25         | 0         | 1          | 0         | 198              | 329              | 473               | 581               |
| <i>Toxoplasma gondii</i>                | 0                  | 4          | 0         | 3            | 2          | 1         | 5          | 0         | 15               | 10               | 31                | 20                |
| <b>Total</b>                            | <b>10</b>          | <b>635</b> | <b>34</b> | <b>1,569</b> | <b>540</b> | <b>42</b> | <b>497</b> | <b>95</b> | <b>3,519</b>     | <b>5,372</b>     | <b>9,305</b>      | <b>9,733</b>      |

\* State or territory of postcode, if reported, otherwise state or territory of reporting laboratory.

† Data presented are for reports with reports dates in the current period.

– No data received this period.



**Table 5. Virology and serology reports by laboratories for the reporting period 1 April to 30 June 2006\***

| State or territory           | Laboratory   | April 2006   | May 2006     | June 2006  | Total this period |
|------------------------------|--|--------------|--------------|------------|-------------------|
| Australian Capital Territory | The Canberra Hospital  | –            | –            | –          | –                 |
| New South Wales              | Institute of Clinical Pathology and Medical Research, Westmead | 126          | 126          | 108        | 360               |
|                              | New Children's Hospital, Westmead                              | 64           | 60           | –          | 124               |
|                              | Repatriation General Hospital, Concord                         | –            | –            | –          | –                 |
|                              | Royal Prince Alfred Hospital, Camperdown                       | 25           | 8            | –          | 33                |
|                              | South West Area Pathology Service, Liverpool                   | 49           | 60           | 50         | 165               |
| Queensland                   | Queensland Medical Laboratory, West End                        | 359          | 739          | 540        | 1,638             |
|                              | Townsville General Hospital                                    | –            | –            | –          | –                 |
| South Australia              | Institute of Medical and Veterinary Science, Adelaide          | 540          | –            | –          | 540               |
| Tasmania                     | Northern Tasmanian Pathology Service, Launceston               | 11           | 15           | 6          | 32                |
|                              | Royal Hobart Hospital, Hobart                                  | –            | –            | –          | –                 |
| Victoria                     | Monash Medical Centre, Melbourne                               | 7            | 13           | –          | 20                |
|                              | Royal Children's Hospital, Melbourne                           | 13           | 25           | 21         | 59                |
|                              | Victorian Infectious Diseases Reference Laboratory, Fairfield  | 161          | 180          | 83         | 424               |
| Western Australia            | PathCentre Virology, Perth                                     | –            | –            | –          | –                 |
|                              | Princess Margaret Hospital, Perth                              | –            | –            | –          | –                 |
|                              | Western Diagnostic Pathology                                   | 33           | 91           | –          | 124               |
| <b>Total</b>                 |  | <b>1,388</b> | <b>1,323</b> | <b>808</b> | <b>3,519</b>      |

\* The complete list of laboratories reporting for the 12 months, January to December 2005, will appear in every report regardless of whether reports were received in this reporting period. Reports are not always received from all laboratories.

– No data received this period.