

Communicable diseases surveillance

Tables

National Notifiable Diseases Surveillance System

A summary of diseases currently being reported by each jurisdiction is provided in Table 1. There were 60,971 notifications to the National Notifiable Diseases Surveillance System (NNDSS) with a notification received date between 1 January and 31 March 2011 (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: |
|---|--|
| Bloodborne diseases | |
| 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 |
| Gastrointestinal diseases | |
| 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 |
| Quarantinable diseases | |
| 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 |
| Sexually transmissible infections | |
| Chlamydial infection | All jurisdictions |
| Donovanosis | All jurisdictions |
| Gonococcal infection | All jurisdictions |
| Syphilis <2 years duration | All jurisdictions |
| Syphilis >2 years or unspecified duration | All jurisdictions except South Australia |
| Syphilis - congenital | All jurisdictions |

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

| Disease | Data received from: |
|--|--|
| Vaccine preventable diseases | |
| 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 |
| Vectorborne diseases | |
| 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 |
| Zoonoses | |
| 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 |
| Other bacterial infections | |
| Legionellosis | All jurisdictions |
| Leprosy | All jurisdictions |
| Meningococcal infection | All jurisdictions |
| Tuberculosis | All jurisdictions |

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

NEC Not elsewhere classified.

Table 2: Notifications of diseases received by state and territory health authorities, 1 January to 31 March 2011, by date of diagnosis

| Disease | State or territory | | | | | | | Total 1st quarter 2011 | Total 4th quarter 2010 | Total 1st quarter 2010 | Last 5 years mean 1st quarter | Ratio | Year to date 2011 | Last 5 years YTD mean |
|---|--------------------|-------|-----|-------|-----|-----|-------|------------------------|------------------------|------------------------|-------------------------------|-------|-------------------|-----------------------|
| | ACT | NSW | NT | Qld | SA | Tas | Vic | | | | | | | |
| Bloodborne diseases | | | | | | | | | | | | | | |
| Hepatitis (NEC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.2 | 0.0 | 0 | 0.2 |
| Hepatitis B (newly acquired)* | 1 | 9 | 2 | 12 | 3 | 2 | 15 | 3 | 36 | 73 | 65.2 | 0.7 | 47 | 65.2 |
| Hepatitis B (unspecified)† | 20 | 714 | 50 | 247 | 79 | 7 | 444 | 157 | 1,648 | 1,962 | 1,718.8 | 1.0 | 1,718 | 1,718.8 |
| Hepatitis C (newly acquired)*,‡ | 1 | 15 | 1 | NN | 7 | 7 | 47 | 29 | 80 | 100 | 99.0 | 1.1 | 107 | 99.0 |
| Hepatitis C (unspecified)† | 43 | 876 | 47 | 600 | 106 | 60 | 597 | 252 | 2,716 | 3,029 | 3,005.2 | 0.9 | 2,581 | 3,005.2 |
| Hepatitis D | 0 | 3 | 0 | 3 | 0 | 0 | 4 | 0 | 8 | 4 | 9.2 | 1.1 | 10 | 9.2 |
| Gastrointestinal diseases | | | | | | | | | | | | | | |
| Botulism | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.4 | 0.0 | 0 | 0.4 |
| Campylobacteriosis§ | 149 | NN | 45 | 1,382 | 500 | 216 | 1,953 | 641 | 5,247 | 4,234 | 4,312.8 | 1.1 | 4,886 | 4,312.8 |
| Cryptosporidiosis | 9 | 104 | 30 | 115 | 57 | 3 | 46 | 262 | 297 | 525 | 1,356.0 | 0.5 | 626 | 1,356.0 |
| Haemolytic uraemic syndrome | 0 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 3 | 5.2 | 0.8 | 4 | 5.2 |
| Hepatitis A | 1 | 23 | 0 | 3 | 1 | 1 | 13 | 2 | 49 | 101 | 81.4 | 0.5 | 44 | 81.4 |
| Hepatitis E | 1 | 8 | 0 | 3 | 0 | 0 | 4 | 0 | 6 | 12 | 11.0 | 1.5 | 16 | 11.0 |
| Listeriosis | 0 | 6 | 1 | 3 | 2 | 1 | 4 | 2 | 16 | 34 | 26.4 | 0.7 | 19 | 26.4 |
| STEC, VTEC | 0 | 0 | 0 | 4 | 7 | 0 | 6 | 0 | 16 | 33 | 33.8 | 0.5 | 17 | 33.8 |
| Salmonellosis | 65 | 1,560 | 116 | 1,132 | 403 | 74 | 981 | 443 | 2,873 | 4,097 | 3,386.4 | 1.4 | 4,774 | 3,386.4 |
| Shigellosis | 4 | 47 | 24 | 20 | 7 | 0 | 25 | 37 | 128 | 165 | 190.4 | 0.9 | 164 | 190.4 |
| Typhoid | 1 | 25 | 0 | 8 | 4 | 1 | 11 | 6 | 17 | 31 | 32.4 | 1.7 | 56 | 32.4 |
| Quarantinable diseases | | | | | | | | | | | | | | |
| Cholera | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 1.7 | 1 | 0.6 |
| Highly pathogenic avian influenza in humans | 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 |
| Rabies | 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 |
| Smallpox | 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 |
| Yellow fever | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0.0 |

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 January to 31 March 2011, by date of diagnosis

| Disease | State or territory | | | | | | | Total 1st quarter 2011 | Total 4th quarter 2010 | Total 1st quarter 2010 | Last 5 years mean 1st quarter | Ratio | Year to date 2011 | Last 5 years YTD mean |
|--|--------------------|-------|-----|-------|-------|-----|-------|------------------------|------------------------|------------------------|-------------------------------|-------|-------------------|-----------------------|
| | ACT | NSW | NT | Qld | SA | Tas | Vic | | | | | | | |
| Sexually transmissible infections | | | | | | | | | | | | | | |
| Chlamydia infection** | 346 | 5,267 | 679 | 4,872 | 1,289 | 435 | 4,775 | 2,943 | 17,635 | 19,073 | 14,977.4 | 1.4 | 20,606 | 14,977.4 |
| Donovanosis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.6 | 0.0 | 0 | 0.6 |
| Gonococcal infection** | 45 | 615 | 521 | 722 | 135 | 3 | 457 | 435 | 2,521 | 2,376 | 2,184.8 | 1.3 | 2,933 | 2,184.8 |
| Syphilis <2 years duration** | 2 | 92 | 16 | 88 | 4 | 0 | 78 | 34 | 250 | 314 | 303.2 | 1.0 | 314 | 303.2 |
| Syphilis >2 years or unspecified duration** | 9 | 64 | 13 | 48 | NDP | 5 | 150 | 26 | 256 | 330 | 332.6 | 0.9 | 315 | 332.6 |
| Syphilis – congenital** | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1.4 | 2.9 | 4 | 1.4 |
| Vaccine preventable diseases | | | | | | | | | | | | | | |
| Diphtheria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0.0 |
| <i>Haemophilus influenzae</i> type b | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 8 | 3 | 4.0 | 0.8 | 3 | 4.0 |
| Influenza (laboratory confirmed) | 17 | 350 | 306 | 1,232 | 175 | 9 | 341 | 176 | 3,843 | 468 | 381.6 | 6.8 | 2,606 | 381.6 |
| Measles | 2 | 46 | 0 | 10 | 0 | 0 | 20 | 3 | 10 | 14 | 29.2 | 2.8 | 81 | 29.2 |
| Mumps | 0 | 13 | 0 | 9 | 3 | 0 | 11 | 2 | 29 | 19 | 61.2 | 0.6 | 38 | 61.2 |
| Pertussis | 347 | 3,598 | 53 | 2,388 | 951 | 63 | 2,773 | 425 | 14,155 | 5,679 | 3,742.4 | 2.8 | 10,598 | 3,742.4 |
| Pneumococcal disease (invasive) | 4 | 63 | 23 | 29 | 23 | 7 | 37 | 33 | 390 | 211 | 203.2 | 1.1 | 219 | 203.2 |
| Poliomyelitis | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0.0 |
| Rubella | 1 | 7 | 0 | 5 | 1 | 0 | 6 | 2 | 4 | 16 | 8.8 | 2.5 | 22 | 8.8 |
| Rubella – congenital | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0.0 |
| Tetanus | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1.6 | 0.6 | 1 | 1.6 |
| Varicella zoster (chickenpox) ^{††} | 3 | NN | 14 | 43 | 105 | 9 | 118 | 78 | 551 | 279 | 294.0 | 1.3 | 370 | 294.0 |
| Varicella zoster (shingles) ^{††} | 5 | NN | 45 | 25 | 390 | 40 | 272 | 208 | 812 | 781 | 536.6 | 1.8 | 985 | 536.6 |
| Varicella zoster (unspecified) ^{††} | 18 | NN | 0 | 994 | 29 | 19 | 492 | 239 | 1,872 | 1,772 | 1,281.0 | 1.4 | 1,791 | 1,281.0 |
| Vectorborne diseases | | | | | | | | | | | | | | |
| Arbovirus infection (NEC) | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 15 | 4 | 6.8 | 0.6 | 4 | 6.8 |
| Barmah Forest virus infection | 2 | 233 | 16 | 326 | 74 | 2 | 129 | 53 | 406 | 454 | 604.2 | 1.4 | 835 | 604.2 |
| Dengue virus infection | 3 | 35 | 13 | 110 | 12 | 0 | 37 | 148 | 449 | 161 | 295.6 | 1.2 | 358 | 295.6 |
| Japanese encephalitis virus infection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0.0 |
| Kunjin virus infection ^{††} | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.8 | 0.0 | 0 | 0.8 |
| Malaria | 0 | 19 | 8 | 41 | 0 | 2 | 28 | 20 | 99 | 94 | 142.8 | 0.8 | 118 | 142.8 |
| Murray Valley encephalitis virus infection ^{††} | 0 | 1 | 2 | 0 | 2 | 0 | 0 | 3 | 0 | 0 | 0.6 | 13.3 | 8 | 0.6 |
| Ross River virus infection | 5 | 277 | 80 | 453 | 805 | 4 | 1,042 | 372 | 1,031 | 1,653 | 2,123.4 | 1.4 | 3,038 | 2,123.4 |

Table 2 continued: Notifications of diseases received by state and territory health authorities, 1 January to 31 March 2011, by date of diagnosis

| Disease | State or territory | | | | | | | Total 1st quarter 2011 | Total 4th quarter 2010 | Total 1st quarter 2010 | Last 5 years mean 1st quarter | Ratio | Year to date 2011 | Last 5 years YTD mean |
|---------------------------------------|--------------------|---------------|--------------|---------------|--------------|--------------|---------------|------------------------|------------------------|------------------------|-------------------------------|-------|-------------------|-----------------------|
| | ACT | NSW | NT | Qld | SA | Tas | Vic | | | | | | | |
| Zoonoses | | | | | | | | | | | | | | |
| Anthrax | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0.6 | 0.0 | 0 | 0.6 |
| Australian bat lyssavirus | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0.0 |
| Brucellosis | 0 | 2 | 0 | 8 | 0 | 0 | 1 | 0 | 5 | 5 | 9.8 | 1.1 | 11 | 9.8 |
| Leptospirosis | 0 | 12 | 1 | 99 | 0 | 0 | 2 | 1 | 36 | 20 | 46.0 | 2.5 | 115 | 46.0 |
| Lyssavirus (NEC) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 0 | 0.0 |
| Ornithosis | 0 | 3 | 0 | 0 | 0 | 0 | 18 | 1 | 28 | 11 | 23.8 | 0.9 | 22 | 23.8 |
| Q fever | 0 | 17 | 0 | 46 | 1 | 0 | 3 | 2 | 75 | 77 | 99.2 | 0.7 | 69 | 99.2 |
| Tularaemia | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0.0 | 0.0 | 1 | 0.0 |
| Other bacterial infections | | | | | | | | | | | | | | |
| Legionellosis | 0 | 23 | 3 | 15 | 10 | 2 | 18 | 8 | 81 | 61 | 72.8 | 1.1 | 79 | 72.8 |
| Leprosy | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 2.6 | 0.0 | 0 | 2.6 |
| Meningococcal infection ^{§§} | 1 | 22 | 3 | 13 | 5 | 2 | 8 | 4 | 53 | 46 | 51.0 | 1.1 | 58 | 51.0 |
| Tuberculosis | 6 | 87 | 6 | 72 | 13 | 3 | 84 | 28 | 375 | 293 | 286.0 | 1.0 | 299 | 286.0 |
| Total | 1,111 | 14,449 | 2,119 | 15,430 | 5,276 | 1,000 | 15,058 | 7,131 | 58,129 | 48,624 | | | 60,971 | |

* Newly acquired hepatitis includes cases where the infection was determined to be acquired within 24 months prior to diagnosis.

† Unspecified hepatitis and syphilis includes cases where the duration of infection could not be determined.

‡ In Queensland, includes incident hepatitis cases.

§ 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* (STEC/VTEC).

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

** In the national case definitions for chlamydial, gonococcal and syphilis infections the mode of transmission cannot be inferred from the site of infection. Transmission (especially in children) may be by a non-sexual mode (e.g. perinatal infections, epidemic gonococcal conjunctivitis).

†† Ratio of current quarter total to the mean of last 5 years for the same quarter. Ratios for varicella zoster (chickenpox), varicella zoster (shingles) and varicella zoster (unspecified) are based on 4 years of data.

‡‡ 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, the Australian Capital Territory and South Australia also report conjunctival cases.

NN Not notifiable.

NEC Not elsewhere classified.

NDP No data provided.

Table 3: Notification rates of diseases, 1 January to 31 March 2011, by state or territory. (Annualised rate per 100,000 population)

| Disease | State or territory | | | | | | | | |
|---|--------------------|-------|---------|-------|-------|-------|-------|-------|-------|
| | 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)* | 1.1 | 0.5 | 3.6 | 1.1 | 0.7 | 1.6 | 1.1 | 0.5 | 0.9 |
| Hepatitis B (unspecified) [†] | 22.8 | 40.4 | 89.3 | 22.4 | 19.7 | 5.7 | 32.8 | 28.0 | 31.5 |
| Hepatitis C (newly acquired)* | 1.1 | 0.8 | 1.8 | NN | 1.7 | 5.7 | 3.5 | 5.2 | 2.5 |
| Hepatitis C (unspecified) ^{†,‡} | 49.1 | 49.6 | 83.9 | 54.5 | 26.4 | 48.5 | 44.1 | 45.0 | 47.4 |
| Hepatitis D | 0.0 | 0.2 | 0.0 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.2 |
| Gastrointestinal diseases | | | | | | | | | |
| Botulism | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Campylobacteriosis [§] | 170.2 | NN | 80.3 | 125.5 | 124.6 | 174.5 | 144.3 | 114.4 | 132.6 |
| Cryptosporidiosis | 10.3 | 5.9 | 53.6 | 10.4 | 14.2 | 2.4 | 3.4 | 46.8 | 11.5 |
| Haemolytic uraemic syndrome | 0.0 | 0.1 | 1.8 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Hepatitis A | 1.1 | 1.3 | 0.0 | 0.3 | 0.2 | 0.8 | 1.0 | 0.4 | 0.8 |
| Hepatitis E | 1.1 | 0.5 | 0.0 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.3 |
| Listeriosis | 0.0 | 0.3 | 1.8 | 0.3 | 0.5 | 0.8 | 0.3 | 0.4 | 0.3 |
| STEC, VTEC | 0.0 | 0.0 | 0.0 | 0.4 | 1.7 | 0.0 | 0.4 | 0.0 | 0.3 |
| Salmonellosis | 74.3 | 88.4 | 207.1 | 102.8 | 100.5 | 59.8 | 72.5 | 79.1 | 87.6 |
| Shigellosis | 4.6 | 2.7 | 42.8 | 1.8 | 1.7 | 0.0 | 1.8 | 6.6 | 3.0 |
| Typhoid fever | 1.1 | 1.4 | 0.0 | 0.7 | 1.0 | 0.8 | 0.8 | 1.1 | 1.0 |
| Quarantinable diseases | | | | | | | | | |
| Cholera | 0.0 | 0.0 | 0.0 | 0.1 | 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 ^{¶,***} | 395.3 | 298.3 | 1,212.1 | 442.3 | 321.3 | 351.3 | 352.9 | 525.4 | 378.1 |
| Donovanosis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Gonococcal infection** | 51.4 | 34.8 | 930.1 | 65.5 | 33.7 | 2.4 | 33.8 | 77.7 | 53.8 |
| Syphilis <2 years duration** | 2.3 | 5.2 | 28.6 | 8.0 | 1.0 | 0.0 | 5.8 | 6.1 | 5.8 |
| Syphilis >2 years or unspecified duration ^{†,**,¶} | 10.3 | 3.6 | 23.2 | 4.4 | NDP | 4.0 | 11.1 | 4.6 | 6.2 |
| Syphilis – congenital** | 0.0 | 0.1 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Vaccine preventable diseases | | | | | | | | | |
| 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 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 |
| Influenza (laboratory confirmed) | 19.4 | 19.8 | 546.3 | 111.8 | 43.6 | 7.3 | 25.2 | 31.4 | 47.8 |
| Measles | 2.3 | 2.6 | 0.0 | 0.9 | 0.0 | 0.0 | 1.5 | 0.5 | 1.5 |
| Mumps | 0.0 | 0.7 | 0.0 | 0.8 | 0.7 | 0.0 | 0.8 | 0.4 | 0.7 |
| Pertussis | 396.4 | 203.8 | 94.6 | 216.8 | 237.1 | 50.9 | 204.9 | 75.9 | 194.5 |
| Pneumococcal disease (invasive) | 4.6 | 3.6 | 41.1 | 2.6 | 5.7 | 5.7 | 2.7 | 5.9 | 4.0 |
| Poliomyelitis | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Rubella | 1.1 | 0.4 | 0.0 | 0.5 | 0.2 | 0.0 | 0.4 | 0.4 | 0.4 |
| Rubella – congenital | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Tetanus | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

Table 3 continued: Notification rates of diseases, 1 January to 31 March 2011, by state or territory. (Annualised rate per 100,000 population)

| Disease | State or territory | | | | | | | | |
|--|--------------------|------|-------|------|-------|------|------|------|------|
| | ACT | NSW | NT | Qld | SA | Tas | Vic | WA | Aust |
| Vaccine preventable diseases, continued | | | | | | | | | |
| Varicella zoster (chickenpox) | 3.4 | NN | 25.0 | 3.9 | 26.2 | 7.3 | 8.7 | 13.9 | 10.0 |
| Varicella zoster (shingles) | 5.7 | NN | 80.3 | 2.3 | 97.2 | 32.3 | 20.1 | 37.1 | 26.7 |
| Varicella zoster (unspecified) | 20.6 | NN | 0.0 | 90.2 | 7.2 | 15.3 | 36.4 | 42.7 | 48.6 |
| Vectorborne diseases | | | | | | | | | |
| Arbovirus infection (NEC) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.0 | 0.1 |
| Barmah Forest virus infection | 2.3 | 13.2 | 28.6 | 29.6 | 18.4 | 1.6 | 9.5 | 9.5 | 15.3 |
| Dengue virus infection | 3.4 | 2.0 | 23.2 | 10.0 | 3.0 | 0.0 | 2.7 | 26.4 | 6.6 |
| 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 ^{††} | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Malaria | 0.0 | 1.1 | 14.3 | 3.7 | 0.0 | 1.6 | 2.1 | 3.6 | 2.2 |
| Murray Valley encephalitis virus infection ^{††} | 0.0 | 0.1 | 3.6 | 0.0 | 0.5 | 0.0 | 0.0 | 0.5 | 0.1 |
| Ross River virus infection | 5.7 | 15.7 | 142.8 | 41.1 | 200.7 | 3.2 | 77.0 | 66.4 | 55.7 |
| 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 | 0.7 | 0.0 | 0.0 | 0.1 | 0.0 | 0.2 |
| Leptospirosis | 0.0 | 0.7 | 1.8 | 9.0 | 0.0 | 0.0 | 0.1 | 0.2 | 2.1 |
| Lyssavirus (NEC) | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Ornithosis | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 0.2 | 0.4 |
| Q fever | 0.0 | 1.0 | 0.0 | 4.2 | 0.2 | 0.0 | 0.2 | 0.4 | 1.3 |
| Tularaemia | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.0 | 0.0 | 0.0 |
| Other bacterial diseases | | | | | | | | | |
| Legionellosis | 0.0 | 1.3 | 5.4 | 1.4 | 2.5 | 1.6 | 1.3 | 1.4 | 1.4 |
| Leprosy | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Meningococcal infection ^{‡‡} | 1.1 | 1.2 | 5.4 | 1.2 | 1.2 | 1.6 | 0.6 | 0.7 | 1.1 |
| Tuberculosis | 6.9 | 4.9 | 10.7 | 6.5 | 3.2 | 2.4 | 6.2 | 5.0 | 5.5 |

* Newly acquired hepatitis includes cases where the infection was determined to be acquired within 24 months prior to diagnosis.

† Unspecified hepatitis and syphilis includes cases where the duration of infection could not be determined.

‡ In Queensland, includes incident hepatitis C cases.

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

|| Infection with Shiga toxin/verotoxin-producing *Escherichia coli* (STEC/VTEC).

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

** In the national case definitions for chlamydial, gonococcal and syphilis infections the mode of transmission cannot be inferred from the site of infection. Transmission (especially in children) may be by a non-sexual mode (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, the Australian Capital Territory and South Australia also report conjunctival cases.

NEC Not elsewhere classified.

NN Not notifiable.

NDP No data provided.

Laboratory Serology and Virology Reporting Scheme

There were 11,057 reports received by the Laboratory Virology and Serology Reporting Scheme (LabVISE) in the reporting period, 1 January and 31 March 2011 (Tables 4 and 5).

Table 4: Laboratory Virology and Serology reports, 1 January to 31 March 2011 and total reports for the year,* by state or territory†

| | State or territory | | | | | | | | This period 2011 | This period 2010 | Year to date 2011 | Year to date 2010 |
|-----------------------------------|--------------------|-----|----|-----|-----|-----|-----|-----|------------------|------------------|-------------------|-------------------|
| | ACT | NSW | NT | Qld | SA | Tas | Vic | WA | | | | |
| Measles, mumps, rubella | | | | | | | | | | | | |
| Measles virus | – | 11 | – | – | – | – | 5 | 1 | 17 | 8 | 17 | 8 |
| Mumps virus | – | – | – | 2 | 1 | – | 1 | 1 | 5 | 6 | 5 | 6 |
| Rubella virus | – | – | – | – | – | – | – | 4 | 4 | 9 | 4 | 9 |
| Hepatitis viruses | | | | | | | | | | | | |
| Hepatitis A virus | – | 1 | – | 3 | 1 | 1 | – | 2 | 8 | 16 | 8 | 16 |
| Hepatitis D virus | – | 1 | – | – | 1 | – | – | – | 2 | 4 | 2 | 4 |
| Hepatitis E virus | – | – | – | 1 | – | – | – | – | 1 | 1 | 1 | 1 |
| Arboviruses | | | | | | | | | | | | |
| Ross River virus | – | 3 | 12 | 113 | 404 | – | 4 | 42 | 578 | 354 | 578 | 354 |
| Barmah Forest virus | – | 10 | – | 67 | 44 | – | – | 6 | 127 | 69 | 127 | 69 |
| Alphavirus (unspecified) | – | – | 1 | – | – | – | – | 1 | 2 | – | 2 | – |
| Dengue type 1 | – | – | 5 | – | – | – | – | 37 | 42 | – | 42 | – |
| Dengue type 2 | – | – | – | – | – | – | – | 16 | 16 | – | 16 | – |
| Dengue type 3 | – | – | 2 | – | – | – | – | 28 | 30 | – | 30 | – |
| Dengue type 4 | – | – | 1 | – | – | – | – | 10 | 11 | – | 11 | – |
| Dengue not typed | – | – | 10 | – | – | – | – | 111 | 121 | – | 121 | – |
| Flavivirus (unspecified) | – | 6 | – | 28 | – | – | 5 | – | 39 | 59 | 39 | 59 |
| Adenoviruses | | | | | | | | | | | | |
| Adenovirus type 40 | – | – | – | – | – | – | – | 2 | 2 | – | 2 | – |
| Adenovirus type 41 | – | – | – | – | – | – | – | 17 | 17 | – | 17 | – |
| Adenovirus not typed/ pending | 2 | 94 | 10 | 109 | 258 | 1 | 2 | 62 | 538 | 226 | 538 | 226 |
| Herpesviruses | | | | | | | | | | | | |
| Herpes virus type 6 | – | 2 | – | – | – | – | – | 1 | 3 | 1 | 3 | 1 |
| Cytomegalovirus | – | 73 | – | 108 | 98 | 3 | 6 | – | 288 | 394 | 288 | 394 |
| Varicella-zoster virus | 2 | 62 | – | 483 | 161 | 1 | 21 | 96 | 826 | 815 | 826 | 815 |
| Epstein-Barr virus | – | 16 | 32 | 302 | 152 | 1 | 6 | 119 | 628 | 866 | 628 | 866 |
| Other DNA viruses | | | | | | | | | | | | |
| Molluscum contagiosum | – | – | – | – | – | – | – | 14 | 14 | – | 14 | – |
| Parvovirus | – | 1 | – | 28 | 16 | 1 | 16 | 6 | 68 | 73 | 68 | 73 |
| Picornavirus family | | | | | | | | | | | | |
| Rhinovirus (all types) | 2 | 114 | – | – | 409 | – | – | 21 | 546 | 61 | 546 | 61 |
| Enterovirus type 71 (BCR) | – | 1 | – | – | – | – | – | – | 1 | – | 1 | – |
| Enterovirus not typed/ pending | – | 35 | – | – | 1 | 1 | – | 6 | 43 | 25 | 43 | 25 |
| Picornavirus not typed | – | – | 7 | – | – | 1 | – | 39 | 47 | 2 | 47 | 2 |
| Ortho/paramyxoviruses | | | | | | | | | | | | |
| Influenza A virus | 6 | 40 | 8 | 132 | 99 | – | 11 | 38 | 334 | 149 | 334 | 149 |
| Influenza A virus H3N2 | – | – | 56 | 1 | – | – | – | 28 | 85 | – | 85 | – |
| Influenza B virus | – | 8 | 4 | 21 | 28 | – | 3 | 12 | 76 | 25 | 76 | 25 |
| Parainfluenza virus type 1 | – | 5 | – | 1 | 1 | – | – | 1 | 8 | 70 | 8 | 70 |
| Parainfluenza virus type 2 | – | 3 | – | 2 | 7 | – | – | – | 12 | 18 | 12 | 18 |
| Parainfluenza virus type 3 | – | 30 | 2 | 16 | 61 | – | – | 46 | 155 | 34 | 155 | 34 |

Table 4 continued: Laboratory Virology and Serology reports, 1 January to 31 March 2011, and total reports for the year,* by state or territory†

| | State or territory | | | | | | | | This period 2011 | This period 2010 | Year to date 2011 | Year to date 2010 |
|---|--------------------|--------------|------------|--------------|--------------|-----------|------------|--------------|------------------|------------------|-------------------|-------------------|
| | ACT | NSW | NT | Qld | SA | Tas | Vic | WA | | | | |
| Ortho/paramyxoviruses, continued | | | | | | | | | | | | |
| Respiratory syncytial virus | – | 103 | 4 | 113 | 31 | – | – | 33 | 284 | 265 | 284 | 265 |
| Paramyxovirus (unspecified) | – | 10 | – | – | – | – | – | – | 10 | – | 10 | – |
| Other RNA viruses | | | | | | | | | | | | |
| HTLV-1 | – | – | – | 1 | 10 | – | – | – | 11 | 17 | 11 | 17 |
| Rotavirus | – | 14 | – | – | 7 | – | – | 11 | 32 | 18 | 32 | 18 |
| Calicivirus | – | – | – | – | – | – | – | 105 | 105 | – | 105 | – |
| Norwalk agent | 2 | 30 | – | – | 111 | – | – | – | 143 | 305 | 143 | 305 |
| Other | | | | | | | | | | | | |
| <i>Chlamydia trachomatis</i> not typed | 5 | 357 | 4 | 1,644 | 532 | 17 | 4 | 451 | 3,014 | 3,145 | 3,014 | 3,145 |
| <i>Chlamydia pneumoniae</i> | – | – | – | – | – | – | 2 | – | 2 | 29 | 2 | 29 |
| <i>Chlamydia psittaci</i> | – | – | – | 1 | – | – | 13 | – | 14 | 8 | 14 | 8 |
| <i>Chlamydia</i> spp typing pending | – | 15 | – | – | – | – | – | – | 15 | 6 | 15 | 6 |
| <i>Chlamydia</i> species | – | – | – | – | – | – | 1 | – | 1 | 1 | 1 | 1 |
| <i>Mycoplasma pneumoniae</i> | – | 13 | 7 | 80 | 138 | 2 | 44 | 64 | 348 | 276 | 348 | 276 |
| <i>Mycoplasma hominis</i> | – | 4 | – | – | – | – | – | – | 4 | – | 4 | – |
| <i>Coxiella burnetii</i> (Q fever) | 1 | 7 | – | 9 | 5 | – | 6 | 1 | 29 | 51 | 29 | 51 |
| <i>Rickettsia prowazeki</i> | – | – | – | – | 1 | – | – | – | 1 | 1 | 1 | 1 |
| <i>Orientia tsutsuganushi</i> | – | 1 | – | 1 | – | – | – | – | 2 | – | 2 | – |
| <i>Rickettsia</i> - spotted fever group | – | 8 | – | 15 | 4 | 2 | 4 | – | 33 | 16 | 33 | 16 |
| <i>Rickettsia</i> spp - other | – | 1 | – | – | – | 1 | 3 | 1 | 6 | – | 6 | – |
| <i>Streptococcus</i> group A | – | 11 | – | 131 | – | – | 25 | – | 167 | 176 | 167 | 176 |
| <i>Brucella</i> species | – | – | – | 20 | – | – | – | – | 20 | 3 | 20 | 3 |
| <i>Bordetella pertussis</i> | 4 | 96 | – | 676 | 663 | 1 | 111 | 100 | 1,651 | 1,573 | 1,651 | 1,573 |
| <i>Legionella pneumophila</i> | 1 | 2 | 1 | 5 | 1 | 1 | 2 | 4 | 17 | 4 | 17 | 4 |
| <i>Legionella longbeachae</i> | – | – | – | – | 1 | – | – | 4 | 5 | 5 | 5 | 5 |
| <i>Legionella</i> species | 1 | 4 | – | 9 | – | – | 1 | 3 | 18 | 10 | 18 | 10 |
| <i>Cryptococcus</i> species | – | – | – | 2 | 5 | – | – | – | 7 | 15 | 7 | 15 |
| <i>Leptospira</i> species | – | – | 1 | 30 | 3 | – | – | 1 | 35 | 15 | 35 | 15 |
| <i>Treponema pallidum</i> | 1 | 48 | 2 | 194 | 83 | – | 30 | 15 | 373 | 528 | 373 | 528 |
| <i>Entamoeba histolytica</i> | – | – | – | – | 1 | – | – | – | 1 | 3 | 1 | 3 |
| <i>Toxoplasma gondii</i> | – | 3 | – | 1 | 4 | 2 | 1 | 1 | 12 | 5 | 12 | 5 |
| <i>Echinococcus granulosus</i> | – | – | – | – | 3 | – | – | – | 3 | 1 | 3 | 1 |
| Total | 27 | 1,243 | 169 | 4,349 | 3,345 | 36 | 327 | 1,561 | 11,057 | 9,761 | 11,057 | 9,761 |

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

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

– No data received this period.

Table 5: Laboratory Virology and Serology reports, 1 January to 31 March 2011,* by laboratory

| State or territory | Laboratory | January 2011 | February 2011 | March 2011 | Total |
|------------------------------|--|--------------|---------------|------------|--------|
| Australian Capital Territory | The Canberra Hospital | – | – | – | – |
| New South Wales | Institute of Clinical Pathology and Medical Research, Westmead | 141 | 258 | 276 | 675 |
| | New Children's Hospital, Westmead | 48 | 53 | 76 | 177 |
| | Repatriation General Hospital, Concord | – | – | – | – |
| | Royal Prince Alfred Hospital, Camperdown | – | – | – | – |
| | South West Area Pathology Service, Liverpool | 37 | 24 | 62 | 123 |
| Queensland | Queensland Medical Laboratory, West End | 1,785 | 1,834 | 1,039 | 4,658 |
| | Townsville General Hospital | – | – | – | – |
| South Australia | Institute of Medical and Veterinary Science, Adelaide | 1,734 | 1,603 | – | 3,337 |
| Tasmania | Northern Tasmanian Pathology Service, Launceston | 14 | 10 | 4 | 28 |
| | Royal Hobart Hospital, Hobart | – | – | – | – |
| Victoria | Australian Rickettsial Reference Laboratory | 43 | 1 | – | 44 |
| | Monash Medical Centre, Melbourne | – | – | – | – |
| | Royal Children's Hospital, Melbourne | 107 | 38 | 3 | 148 |
| | Victorian Infectious Diseases Reference Laboratory | 68 | – | 64 | 132 |
| Western Australia | PathWest Virology, Perth | 742 | 793 | 27 | 1,562 |
| | Princess Margaret Hospital, Perth | – | – | – | – |
| | Western Diagnostic Pathology | 43 | 57 | 73 | 173 |
| Total | | 4,762 | 4,671 | 1,624 | 11,057 |

* The complete list of laboratories reporting for the 12 months, January to December 2011, 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.