

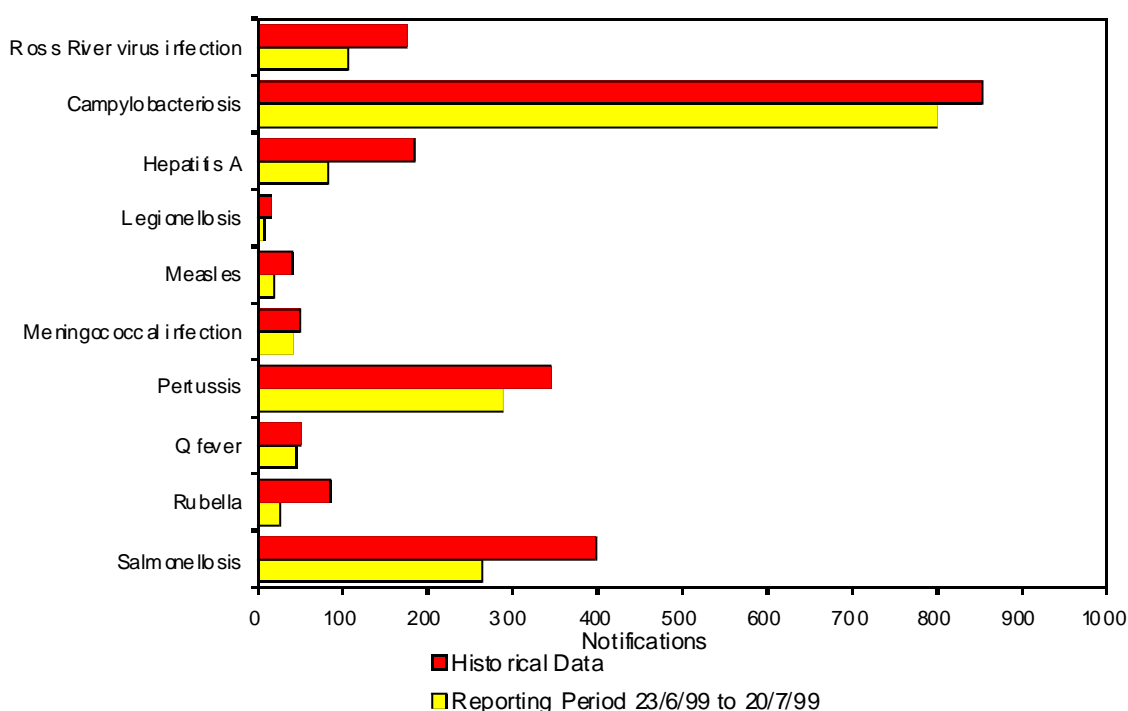
Tables

There were 4,907 notifications to the National Notifiable Diseases Surveillance System (NNDSS) in the four week period, 23 June to 20 July 1999 (Tables 1 and 2). The numbers of reports for selected diseases have been compared with historical data for corresponding periods in the previous three years (Figure 3).

There were 1,946 reports received by the *CDI/Virology and Serology Laboratory Reporting Scheme (LabVISE)* in the four week period, 17 June to 14 July 1999 (Tables 3 and 4).

The Australian Sentinel Practice Research Network (ASPREN) data for weeks 25 to 28, ending 18 July 1999, are included in this issue of *CDI* (Table 5).

Figure 3. Selected National Notifiable Diseases Surveillance System reports, and historical data¹



1. The historical data are the averages of the number of notifications in the corresponding 4 week periods of the last 3 years and the 2 week periods immediately preceding and following those.

Table 1. Notifications of diseases preventable by vaccines recommended by the NHMRC for routine childhood immunisation, received by State and Territory health authorities in the period 23 June to 20 July 1999

| Disease ^{1,2} | | | | | | | | | This period 1999 | This period 1998 | Year to date 1999 | Year to date 1998 |
|---------------------------------------|-----|-----|----|-----|----|-----|-----|----|------------------|------------------|-------------------|-------------------|
| | ACT | NSW | NT | Qld | SA | Tas | Vic | WA | | | | |
| Diphtheria | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| <i>H. influenzae</i> type b infection | 0 | 2 | 1 | 2 | 0 | 0 | 0 | 0 | 5 | 3 | 24 | 18 |
| Measles | 1 | 3 | 0 | 11 | 0 | 0 | 4 | 0 | 19 | 28 | 180 | 211 |
| Mumps | 3 | 1 | 0 | 2 | 1 | 1 | 7 | 1 | 16 | 8 | 93 | 88 |
| Pertussis | 3 | 48 | 0 | 122 | 20 | 27 | 61 | 8 | 289 | 313 | 1,876 | 4,029 |
| Rubella ³ | 3 | 2 | 1 | 15 | 0 | 0 | 6 | 0 | 27 | 55 | 221 | 431 |
| Tetanus | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 3 |

1. NN. Not Notifiable

2. No notification of poliomyelitis has been received since 1978. 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.

3. Includes congenital rubella.

Table 2. Notifications of diseases received by State and Territory health authorities in the period 23 June to 20 July 1999

| Disease ^{1,2,3,4} | ACT | NSW | NT | Qld | SA | Tas | Vic | WA | This period 1999 | This period 1998 | Year to date 1999 | Year to date 1998 |
|--|-----|-----|----|-----|-----|-----|-----|-----|------------------|------------------|-------------------|-------------------|
| Arbovirus infection (NEC) | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 3 | 4 | 89 | 62 |
| Barmah Forest virus infection | 0 | 11 | 0 | 19 | 0 | 0 | 0 | 1 | 31 | 25 | 444 | 376 |
| Brucellosis | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 4 | 4 | 15 | 24 |
| Campylobacteriosis ⁵ | 21 | - | 18 | 202 | 142 | 38 | 278 | 101 | 800 | 932 | 6,842 | 6,256 |
| Chancroid | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| Chlamydial infection (NEC) ⁶ | 25 | NN | 62 | 337 | 77 | 28 | 88 | 132 | 749 | 853 | 6,316 | 5,900 |
| Cholera | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| Dengue | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 2 | 55 | 155 | 340 |
| Donovanosis | 0 | NN | 1 | 0 | NN | 0 | 0 | 0 | 1 | 3 | 10 | 22 |
| Gonococcal infection ⁷ | 2 | 52 | 65 | 67 | 12 | 0 | 54 | 71 | 323 | 424 | 3,089 | 2,914 |
| Haemolytic uraemic syndrome ⁸ | NN | 0 | 0 | 0 | 0 | 0 | NN | 0 | 0 | 1 | 11 | 7 |
| Hepatitis A | 0 | 18 | 9 | 18 | 7 | 1 | 11 | 19 | 83 | 233 | 914 | 1,798 |
| Hepatitis B incident | 0 | 1 | 1 | 3 | 2 | 0 | 5 | 1 | 13 | 28 | 165 | 155 |
| Hepatitis B unspecified ⁹ | 4 | 143 | 0 | 52 | 0 | 5 | 184 | 37 | 425 | 567 | 3,745 | 4,080 |
| Hepatitis C incident | 0 | 0 | 0 | - | 5 | 0 | 4 | 2 | 11 | 17 | 166 | 152 |
| Hepatitis C unspecified ⁹ | 22 | 367 | 19 | 235 | 90 | 21 | 499 | 56 | 1,309 | 1,770 | 10,628 | 11,986 |
| Hepatitis (NEC) ¹⁰ | 1 | 1 | 0 | 2 | 0 | 0 | 0 | NN | 4 | 0 | 10 | 9 |
| Hydatid infection | 0 | 0 | 0 | 2 | 1 | 0 | 1 | 0 | 4 | 5 | 20 | 20 |
| Legionellosis | 0 | 2 | 0 | 2 | 1 | 0 | 2 | 1 | 8 | 29 | 162 | 153 |
| Leprosy | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| Leptospirosis | 0 | 6 | 0 | 11 | 0 | 0 | 0 | 0 | 17 | 13 | 257 | 91 |
| Listeriosis | 0 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 5 | 5 | 27 | 34 |
| Malaria | 1 | 3 | 3 | 26 | 2 | 0 | 2 | 0 | 37 | 99 | 401 | 480 |
| Meningococcal infection | 2 | 13 | 0 | 12 | 2 | 0 | 9 | 4 | 42 | 50 | 240 | 183 |
| Ornithosis | 0 | NN | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 4 | 48 | 22 |
| QFever | 0 | 7 | 0 | 32 | 2 | 0 | 5 | 0 | 46 | 49 | 283 | 309 |
| Ross River virus infection | 0 | 25 | 4 | 51 | 0 | 4 | 4 | 18 | 106 | 80 | 3,839 | 2,295 |
| Salmonellosis (NEC) | 6 | 51 | 15 | 98 | 19 | 4 | 48 | 23 | 264 | 647 | 5,062 | 5,168 |
| Shigellosis ⁵ | 0 | - | 4 | 8 | 2 | 1 | 5 | 8 | 28 | 31 | 346 | 365 |
| SLTEC, VTEC ¹¹ | NN | 0 | 0 | NN | 2 | 0 | NN | NN | 2 | 1 | 15 | 8 |
| Syphilis ¹² | 0 | 18 | 11 | 85 | 1 | 1 | 2 | 7 | 125 | 132 | 1,060 | 771 |
| TIP ¹³ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tuberculosis | 1 | 44 | 3 | 5 | 5 | 2 | 23 | 6 | 89 | 114 | 801 | 720 |
| Typhoid ¹⁴ | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 2 | 43 | 48 |
| Yersiniosis (NEC) ⁵ | 0 | - | 0 | 7 | 1 | 0 | 1 | 0 | 9 | 8 | 94 | 146 |

1. Diseases preventable by routine childhood immunisation are presented in Table 1.

2. For HIV and AIDS, see Tables 8 and 9.

3. 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.

4. No notifications have been received during 1999 for the following rare diseases: lymphogranuloma venereum, plague, rabies, yellow fever, or other viral haemorrhagic fevers.

5. Not reported for NSW because it is only notifiable as 'foodborne disease' or 'gastroenteritis in an institution'.

6. WA: genital only.

7. NT, Qld, SA and Vic: includes gonococcal neonatal ophthalmia.

8. Nationally reportable from August 1998.

9. Unspecified numbers should be interpreted with some caution as the magnitude may be a reflection of the numbers of testings being carried out.

10. Includes hepatitis D and E.

11. Infections with *Shiga*-like toxin (verotoxin) producing *E. Coli* (SLTEC/VTEC) became nationally reportable in August 1998.

12. Includes congenital syphilis.

13. Thrombotic thrombocytopenic purpura became nationally reportable in August 1998.

14. NSW, Qld: includes paratyphoid.

NN Not Notifiable.

NEC Not Elsewhere Classified.

- Elsewhere Classified.

Table 3. Virology and serology laboratory reports by State or Territory¹ for the reporting period 17 June to 14 July 1999, and total reports for the year

| | State or Territory ¹ | | | | | | | | Total this period | Total reported in CDI/in 1999 |
|-------------------------------------|---------------------------------|-----|----|-----|-----|-----|-----|----|-------------------|-------------------------------|
| | ACT | NSW | NT | Qld | SA | Tas | Vic | WA | | |
| Measles, mumps, rubella | | | | | | | | | | |
| Measles virus | | | | | | | 3 | | 3 | 146 |
| Mumps virus | | | | | | | | 2 | 2 | 39 |
| Rubella virus | 1 | | | 10 | | 1 | 1 | | 13 | 69 |
| Hepatitis viruses | | | | | | | | | | |
| Hepatitis A virus | | | 4 | 5 | 9 | | | 6 | 24 | 253 |
| Hepatitis D virus | | | | | 1 | | | | 1 | 3 |
| Arboviruses | | | | | | | | | | |
| Ross River virus | | 2 | | 14 | 2 | | 3 | 10 | 31 | 1,214 |
| Barmah Forest virus | | 2 | | 8 | | | | 2 | 12 | 141 |
| Japanese encephalitis virus | | | | | | | | 1 | 1 | 1 |
| Flavivirus (unspecified) | | | | | | | 1 | | 1 | 14 |
| Adenoviruses | | | | | | | | | | |
| Adenovirus type 1 | | | | | | | 1 | | 1 | 17 |
| Adenovirus type 2 | | | | | | | 3 | | 3 | 11 |
| Adenovirus type 4 | | | | | | | 1 | | 1 | 8 |
| Adenovirus type 37 | | | | | | | 1 | | 1 | 13 |
| Adenovirus type 40 | | | | | | | | 5 | 5 | 43 |
| Adenovirus not typed/pending | | 8 | 1 | 3 | 29 | | 25 | 7 | 73 | 716 |
| Herpes viruses | | | | | | | | | | |
| Cytomegalovirus | | 17 | 1 | 9 | 20 | 1 | 22 | 1 | 71 | 713 |
| Varicella-zostervirus | | 6 | 1 | 26 | 29 | | 24 | 12 | 98 | 1,031 |
| Epstein-Barr virus | | 4 | 2 | 54 | 107 | 1 | 18 | 8 | 194 | 1,573 |
| Other DNA viruses | | | | | | | | | | |
| Papovavirus group | | | | | | | 1 | 1 | 2 | 12 |
| Molluscum contagiosum | | | | | | | | 1 | 1 | 11 |
| Parvovirus | | | | 11 | 2 | 3 | 17 | 5 | 38 | 265 |
| Picornavirus family | | | | | | | | | | |
| Coxsackievirus A9 | | | | | | | 1 | | 1 | 4 |
| Coxsackievirus A16 | | | | | | | 2 | | 2 | 4 |
| Coxsackievirus B5 | | | | | | | 1 | | 1 | 3 |
| Echovirus type 11 | | 14 | | | | | 1 | | 15 | 58 |
| Poliovirus type 3 (uncharacterised) | | | | | | | 1 | | 1 | 4 |
| Rhinovirus (all types) | | 9 | | | 3 | | 5 | 13 | 30 | 231 |
| Enterovirus not typed/pending | | | 1 | | | 1 | 3 | 47 | 52 | 492 |
| Ortho/Paramyxoviruses | | | | | | | | | | |
| Influenza A virus | | 94 | | 23 | 74 | | 57 | 2 | 250 | 649 |
| Influenza A virus H3N2 | | | | | | | 9 | 1 | 10 | 17 |
| Influenza B virus | | 7 | | 1 | 5 | | 1 | 1 | 15 | 86 |
| Parainfluenza virus type 1 | | | | 1 | 4 | | | | 5 | 29 |
| Parainfluenza virus type 2 | | | | | 10 | | 9 | 2 | 21 | 76 |
| Parainfluenza virus type 3 | | 8 | | 4 | 8 | | 7 | 4 | 31 | 373 |
| Respiratory syncytial virus | | 198 | | 52 | 45 | 4 | 58 | 11 | 368 | 1,169 |
| Other RNA viruses | | | | | | | | | | |
| HTLV-1 | | | 1 | | | | | | 1 | 9 |
| Rotavirus | | 87 | | | 38 | 9 | 25 | 9 | 168 | 720 |
| Astrovirus | | | | | | | 2 | | 2 | 4 |
| Norwalk agent | | | | | | | 6 | | 6 | 55 |

Table 3. Virology and serology laboratory reports by State or Territory¹ for the reporting period 17 June to 14 July 1999, and total reports for the year (continued)

| | State or Territory ¹ | | | | | | | | Total this period | Total reported in CDI/in 1999 |
|--|---------------------------------|-----|----|-----|-----|-----|-----|-----|-------------------|-------------------------------|
| | ACT | NSW | NT | Qld | SA | Tas | Vic | WA | | |
| Other | | | | | | | | | | |
| <i>Chlamydia trachomatis</i> not typed | | 10 | 15 | 74 | 53 | 1 | 19 | 39 | 211 | 1,757 |
| <i>Chlamydia psittaci</i> | | | | | | | 11 | 1 | 12 | 59 |
| <i>Chlamydia</i> species | | | | 1 | | | | | 1 | 9 |
| <i>Mycoplasma pneumoniae</i> | | 11 | | 28 | 5 | | 28 | 4 | 76 | 735 |
| <i>Coxiella burnetii</i> (Q fever) | | 1 | | 8 | | | 5 | 1 | 15 | 106 |
| <i>Bordetella pertussis</i> | | 1 | | 46 | | | 22 | 4 | 73 | 428 |
| <i>Legionella pneumophila</i> | | | | | | | | 1 | 1 | 9 |
| <i>Legionella longbeachae</i> | | | | | 2 | | | | 2 | 27 |
| TOTAL | 1 | 479 | 26 | 378 | 446 | 21 | 394 | 201 | 1,946 | 13,406 |

1. State or Territory of postcode, if reported, otherwise State or Territory of reporting laboratory.

Table 4. Virology and serology laboratory reports by contributing laboratories for the reporting period 17 June to 14 July 1999

| State or Territory | Laboratory | Reports ¹ |
|--------------------|---|----------------------|
| New South Wales | Institute of Clinical Pathology & Medical Research, Westmead | 132 |
| | New Children's Hospital, Westmead | 122 |
| | South West Area Pathology Service, Liverpool | 202 |
| Queensland | Queensland Medical Laboratory, West End | 415 |
| | Townsville General Hospital | 12 |
| South Australia | Institute of Medical and Veterinary Science, Adelaide | 445 |
| Tasmania | Northern Tasmanian Pathology Service, Launceston | 16 |
| Victoria | Monash Medical Centre, Melbourne | 105 |
| | Royal Children's Hospital, Melbourne | 152 |
| | Victorian Infectious Diseases Reference Laboratory, Fairfield | 136 |
| Western Australia | PathCentre Virology, Perth | 209 |
| TOTAL | | 1,946 |

1. Due to computer processing problems figures from the Institute of Clinical Pathology & Medical Research, Westmead have been under reported since February 1999. Reports of influenza from Westmead have been manually corrected in this report; numbers for other organisms remain under reported. It is anticipated that the reporting system will be corrected for the next issue.

Table 5. Australian Sentinel Practice Research Network reports, weeks 25 to 28, 1999

| Week number | 25 | | 26 | | 27 | | 28 | |
|-----------------------------|--------------|---------------------------|-------------|---------------------------|--------------|---------------------------|--------------|---------------------------|
| Week ending on | 27 June 1999 | | 4 July 1999 | | 11 July 1999 | | 18 July 1999 | |
| Doctors reporting | 49 | | 47 | | 49 | | 48 | |
| Total encounters | 6,457 | | 6,087 | | 6,496 | | 6,289 | |
| Condition | Reports | Rate per 1,000 encounters | Reports | Rate per 1,000 encounters | Reports | Rate per 1,000 encounters | Reports | Rate per 1,000 encounters |
| Influenza | 67 | 10.4 | 78 | 12.8 | 91 | 14.0 | 87 | 13.8 |
| Rubella | 0 | 0.0 | 1 | 0.2 | 2 | 0.3 | 0 | 0.0 |
| Measles | 1 | 0.2 | 0 | 0.0 | 0 | 0.0 | 1 | 0.2 |
| Chickenpox | 10 | 1.5 | 4 | 0.7 | 7 | 1.1 | 13 | 2.1 |
| New diagnosis of asthma | 14 | 2.2 | 9 | 1.5 | 13 | 2.0 | 12 | 1.9 |
| Post operative wound sepsis | 3 | 0.5 | 10 | 1.6 | 11 | 1.7 | 10 | 1.6 |
| Gastroenteritis | 67 | 10.4 | 40 | 6.6 | 52 | 8.0 | 60 | 9.5 |

The NNDSS is conducted under the auspices of the Communicable Diseases Network Australia New Zealand. The system coordinates the national surveillance of more than 40 communicable diseases or disease groups endorsed by the National Health and Medical Research Council (NHMRC). Notifications of these diseases are made to State and Territory health authorities under the provisions of their respective public health legislations. De-identified core unit data are supplied fortnightly for collation, analysis and dissemination. For further information, see CDI 1999;23:55.

LabVISE is a sentinel reporting scheme. Twenty-one laboratories contribute data on the laboratory identification of viruses and other organisms. Data are collated and published in Communicable Diseases Intelligence every four weeks. These data should be interpreted with caution as the number and type of reports received is subject to a number of biases. For further information, see CDI 1999;23:58.

ASPEN currently comprises about 100 general practitioners from throughout the country. Up to 9,000 consultations are reported each week, with special attention to 12 conditions chosen for sentinel surveillance in 1999. CDI reports the consultation rates for seven of these. For further information, including case definitions, see CDI 1999;23:55-56.

Additional Reports

National Influenza Surveillance, 1999

Three types of data are included in National Influenza Surveillance, 1999. These are sentinel general practitioner surveillance conducted by the Australian Sentinel Practice Research Network, Department of Human Services (Victoria), Department of Health (New South Wales) and the Tropical Influenza Surveillance Scheme, Territory Health (Northern Territory); laboratory surveillance data from the Communicable Diseases Intelligence Virology and Serology Laboratory Reporting Scheme, LabVISE, and the World Health Organization Collaborating Centre for Influenza Reference and Research; and absenteeism surveillance conducted by Australia Post. For further information about these schemes, see CDI 1999; 23:56.

Sentinel general practitioner surveillance

An increase in consultation rates for influenza-like illness reported by the ASPREN, NSW and Victorian schemes was apparent in April. Rates for influenza-like illness recorded by ASPREN were lower this year than for the same period in 1998. In contrast, the consultation rates for

influenza activity reported by the Tropical Influenza

Figure 4. Sentinel general practitioner influenza consultation rates, 1999, by scheme and week

