



The Kirby Institute Australian HIV Surveillance Report

Vol 28 No 2 April 2012

Diagnoses in the fourth quarter

1 October – 31 December 2011

a total of 266 diagnoses of HIV infection, 25 diagnoses of AIDS and no deaths following AIDS were reported, by 31 March 2012, to have occurred in the fourth quarter of 2011

in comparison, 232 diagnoses of HIV infection, 36 diagnoses of AIDS and 7 deaths following AIDS were reported by 31 March 2012, to have occurred in the fourth quarter of 2010

New HIV infection

During the fourth quarter of 2011, 74 males were reported as having newly acquired HIV infection identified by a negative test within the 12 months prior to diagnosis, or the diagnosis of primary HIV infection. Men who had sex with men, with or without a history of injecting drug use, accounted for 89.2% (66) of cases.

Diagnoses in the year to 31 December 2011

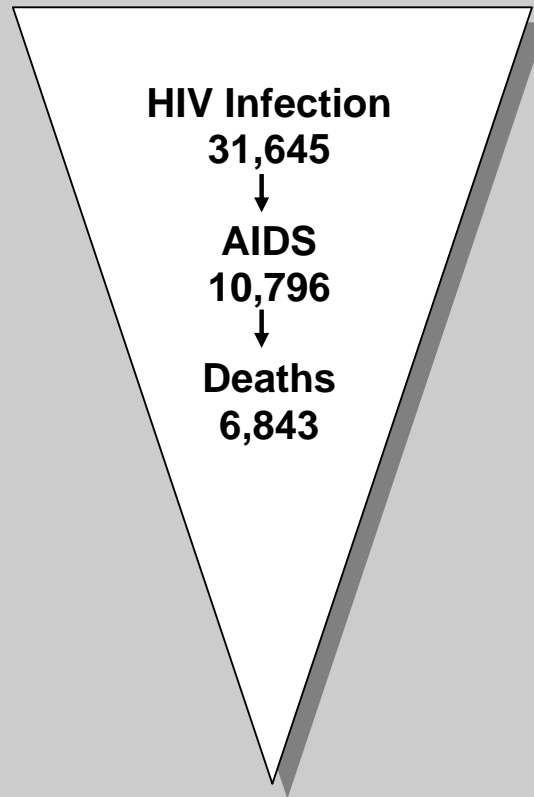
1 137 diagnoses of HIV infection

115 diagnoses of AIDS

24 deaths following AIDS were reported by 31 March 2012

HIV diagnoses in Australia

A cumulative profile to 31 December 2011



Announcements

The **24th annual ASHM Conference** will be held in Melbourne, Victoria, Australia, on 17 – 19 October 2012. The conference will be held at the Melbourne Convention and Exhibition Centre, South Wharf, Melbourne. Further information may be obtained through the website <http://www.hivaidconference.com.au>.

The **13th International Union against Sexually Transmitted Infection (IUSTI) World Congress** will also be held in Melbourne, Victoria, Australia, on 15 – 17 October 2012. Further information may be obtained through the website <http://www.iusti2012.com/>

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HIV diagnoses

People diagnosed with HIV infection in the year to 31 December 2011 had an average age of 36 years and 1.5% were in the age group 13 – 19 years

87.4% were male and 12.5% were female

of 957 cases of HIV infection, newly diagnosed among adult/adolescent males in the year to 31 December 2011 for which an exposure to HIV was reported, 801 (83.7%) were attributed to men who had sex with men, with or without a history of injecting drug use.

Total diagnoses to 31 December 2011

31 645 diagnoses of HIV infection

10 796 diagnoses of AIDS

6 843 deaths following AIDS were reported by 31 March 2012

HIV testing in sexual health clinics

Six sexual health clinics in Adelaide, Brisbane, Gold Coast, Melbourne and Sydney tested 6 780 people in the quarter 1 October – 31 December 2011 who were not previously known to have HIV infection.

of 1 324 men reported as having been tested for the first time, 13(1.0%) were found to have HIV infection

of 3 147 men, reported as having been retested following a previous negative test, 8 (0.3%) were found to have HIV infection

of 1 193 men who have sex with men, who were retested following a previous negative test, 8 (0.4%) were newly diagnosed with HIV infection

National AIDS Registry

Table 1.1 Cases of AIDS and deaths following AIDS by sex and State/Territory in which diagnosis of AIDS was made, cumulative to 31 December 2011, and for two previous yearly intervals

Cases

| State/Territory | 1 Jan 10 – 31 Dec 10 | | 1 Jan 11 – 31 Dec 11 | | Cumulative to 31 Dec 11 | | | % |
|-----------------|----------------------|-----------|----------------------|-----------|-------------------------|------------|--------------------|--------------|
| | Male | Female | Male | Female | Male | Female | Total [†] | |
| ACT | 0 | 0 | 0 | 0 | 95 | 10 | 105 | 1.0 |
| NSW | 37 | 6 | 36 | 7 | 5 672 | 289 | 5 980 | 55.4 |
| NT | 3 | 0 | 2 | 0 | 53 | 6 | 59 | 0.5 |
| QLD | 16 | 2 | 3 | 1 | 1 116 | 81 | 1 199 | 11.1 |
| SA | 1 | 0 | 1 | 1 | 428 | 33 | 462 | 4.3 |
| TAS | 0 | 0 | 3 | 0 | 58 | 4 | 62 | 0.6 |
| VIC | 45 | 3 | 48 | 6 | 2 252 | 136 | 2 401 | 22.2 |
| WA | 10 | 1 | 5 | 2 | 475 | 51 | 528 | 4.9 |
| Total | 112 | 12 | 98 | 17 | 10 149 | 610 | 10 796 | 100.0 |

Deaths

| State/Territory | 1 Jan 10 – 31 Dec 10 | | 1 Jan 11 – 31 Dec 11 | | Cumulative to 31 Dec 11 | | | % |
|------------------|----------------------|----------|----------------------|----------|-------------------------|------------|--------------------|--------------|
| | Male | Female | Male | Female | Male | Female | Total [†] | |
| ACT | 0 | 0 | 0 | 0 | 73 | 7 | 80 | 1.2 |
| NSW [†] | 4 | 0 | 12 | 2 | 3 624 | 144 | 3 779 | 55.2 |
| NT | 0 | 0 | 0 | 0 | 33 | 1 | 34 | 0.5 |
| QLD | 6 | 1 | 0 | 0 | 687 | 44 | 733 | 10.7 |
| SA | 1 | 0 | 0 | 0 | 281 | 20 | 301 | 4.4 |
| TAS | 0 | 0 | 0 | 0 | 34 | 2 | 36 | 0.5 |
| VIC | 11 | 0 | 9 | 1 | 1 472 | 67 | 1 548 | 22.6 |
| WA | 0 | 0 | 0 | 0 | 301 | 30 | 332 | 4.9 |
| Total | 22 | 1 | 21 | 3 | 6 505 | 315 | 6 843 | 100.0 |

† Totals include 37 AIDS cases and 23 deaths following AIDS in people whose sex was reported as transgender.

Table 1.2 Incidence of AIDS per million current population¹ by sex and State/Territory of diagnosis for the two most recent yearly intervals

| State/Territory | 1 Jan 10 – 31 Dec 10 | | | 1 Jan 11 – 31 Dec 11 | | |
|-----------------|----------------------|------------|------------|----------------------|------------|------------|
| | Male | Female | Total | Male | Female | Total |
| ACT | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| NSW | 10.4 | 1.7 | 6.0 | 10.1 | 1.9 | 6.0 |
| NT | 24.8 | 0.0 | 13.0 | 16.5 | 0.0 | 8.6 |
| QLD | 7.3 | 0.9 | 4.1 | 1.3 | 0.4 | 0.9 |
| SA | 1.2 | 0.0 | 0.6 | 1.2 | 1.2 | 1.2 |
| TAS | 0.0 | 0.0 | 0.0 | 11.8 | 0.0 | 5.9 |
| VIC | 16.6 | 1.1 | 8.8 | 17.5 | 2.1 | 9.8 |
| WA | 8.6 | 0.9 | 4.8 | 4.2 | 1.7 | 3.0 |
| Total | 10.2 | 1.1 | 5.6 | 8.8 | 1.5 | 5.2 |

1 Population estimates by sex, State/Territory and calendar period from *Australian Demographic Statistics* (Australian Bureau of Statistics).

Table 1.3 Cases of AIDS and deaths following AIDS by sex and age group, cumulative to 31 December 2011, and for two previous yearly intervals

Cases¹

| Age group (years) | 1 Jan 10 – 31 Dec 10 | | 1 Jan 11 – 31 Dec 11 | | Cumulative to 31 Dec 11 | | | % |
|--------------------------|----------------------|-----------|----------------------|-----------|-------------------------|------------|--------------------|--------------|
| | Male | Female | Male | Female | Male | Female | Total [†] | |
| 0–2 | 0 | 0 | 1 | 0 | 11 | 12 | 23 | 0.2 |
| 2–12 | 0 | 0 | 0 | 0 | 22 | 12 | 34 | 0.3 |
| 0–12 | 0 | 0 | 1 | 0 | 33 | 24 | 57 | 0.5 |
| 13–19 | 0 | 1 | 0 | 0 | 28 | 7 | 35 | 0.3 |
| 20–29 | 9 | 3 | 10 | 1 | 1 497 | 133 | 1 646 | 15.2 |
| 30–39 | 33 | 5 | 23 | 7 | 4 065 | 224 | 4 301 | 39.8 |
| 40–49 | 37 | 1 | 29 | 7 | 2 965 | 121 | 3 091 | 28.6 |
| 50–59 | 22 | 1 | 18 | 2 | 1 136 | 58 | 1 198 | 11.1 |
| 60+ | 11 | 1 | 17 | 0 | 425 | 43 | 468 | 4.3 |
| Total¹ | 112 | 12 | 98 | 17 | 10 149 | 610 | 10 796 | 100.0 |

Deaths²

| Age group (years) | 1 Jan 10 – 31 Dec 10 | | 1 Jan 11 – 31 Dec 11 | | Cumulative to 31 Dec 11 | | | % |
|--------------------------|----------------------|----------|----------------------|----------|-------------------------|------------|--------------------|--------------|
| | Male | Female | Male | Female | Male | Female | Total [†] | |
| 0–2 | 0 | 0 | 0 | 0 | 6 | 6 | 12 | 0.2 |
| 2–12 | 0 | 0 | 0 | 0 | 17 | 6 | 23 | 0.3 |
| 0–12 | 0 | 0 | 0 | 0 | 23 | 12 | 35 | 0.5 |
| 13–19 | 0 | 0 | 0 | 0 | 15 | 3 | 18 | 0.3 |
| 20–29 | 1 | 0 | 2 | 0 | 700 | 50 | 761 | 11.1 |
| 30–39 | 0 | 0 | 2 | 0 | 2 495 | 111 | 2 615 | 38.2 |
| 40–49 | 9 | 1 | 4 | 1 | 2 101 | 64 | 2 167 | 31.7 |
| 50–59 | 7 | 0 | 7 | 2 | 845 | 37 | 883 | 12.9 |
| 60+ | 5 | 0 | 6 | 0 | 326 | 38 | 364 | 5.3 |
| Total¹ | 22 | 1 | 21 | 3 | 6 505 | 315 | 6 843 | 100.0 |

1 Cases are classified by age at diagnosis.

2 Deaths are classified by age at death.

Table 1.4 Cases of AIDS by sex and exposure category, cumulative to 31 December 2011, and for two previous yearly intervals

| Exposure category | 1 Jan 10 – 31 Dec 10 | | 1 Jan 11 – 31 Dec 11 | | Cumulative to 31 Dec 11 | | | % |
|---|----------------------|-----------|----------------------|-----------|-------------------------|------------|---------------|--------------|
| | Male | Female | Male | Female | Male | Female | Total | |
| Men who had sex with men | 66 | -- | 61 | -- | 8 149 | -- | 8 149 | 78.7 |
| Men who had sex with men and injecting drug use | 4 | -- | 5 | -- | 524 | -- | 524 | 5.1 |
| Injecting drug use | 3 | 0 | 4 | 2 | 254 | 109 | 363 | 3.5 |
| <i>Heterosexual</i> | 2 | 0 | 4 | 2 | 157 | 83 | 240 | |
| <i>Not further specified</i> | 1 | 0 | 0 | 0 | 97 | 26 | 123 | |
| Heterosexual contact | 27 | 11 | 23 | 14 | 597 | 377 | 974 | 9.4 |
| <i>Sex with injecting drug user</i> | 0 | 0 | 0 | 0 | 10 | 32 | 42 | |
| <i>Sex with bisexual male</i> | -- | 0 | -- | 0 | -- | 53 | 53 | |
| <i>From a high prevalence country</i> | 5 | 5 | 7 | 7 | 121 | 115 | 236 | |
| <i>Sex with person from a high prevalence country</i> | 4 | 1 | 3 | 1 | 99 | 28 | 127 | |
| <i>Sex with person with medically acquired HIV</i> | 0 | 0 | 0 | 0 | 2 | 11 | 13 | |
| <i>Sex with HIV infected person, exposure not specified</i> | 1 | 0 | 2 | 2 | 37 | 40 | 77 | |
| <i>Not further specified</i> | 17 | 5 | 11 | 4 | 328 | 98 | 426 | |
| Haemophilia/coagulation disorder | 0 | 0 | 0 | 0 | 124 | 3 | 127 | 1.2 |
| Receipt of blood/tissue | 1 | 0 | 0 | 0 | 85 | 67 | 152 | 1.5 |
| Health care setting | 0 | 0 | 0 | 0 | 1 | 3 | 4 | 0.0 |
| Total Adults/ Adolescents | 101 | 11 | 93 | 16 | 9 734 | 559 | 10 293 | 99.4 |
| Children (under 13 years at AIDS diagnosis) | | | | | | | | |
| Mother with/at risk for HIV infection | 0 | 0 | 1 | 0 | 18 | 21 | 39 | 0.4 |
| Haemophilia/coagulation disorder | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0.0 |
| Receipt of blood/tissue | 0 | 0 | 0 | 0 | 11 | 3 | 14 | 0.1 |
| Total children | 0 | 0 | 1 | 0 | 34 | 24 | 58 | 0.6 |
| Sub-total | 101 | 11 | 94 | 16 | 9 768 | 583 | 10 351 | 100.0 |
| Other/undetermined ¹ | 11 | 1 | 4 | 1 | 381 | 27 | 445 | |
| Total | 112 | 12 | 98 | 17 | 10 149 | 610 | 10 796 | |

1 The 'Other/undetermined' exposure category includes 37 AIDS cases in people whose sex was reported as transgender. The category was excluded from the calculation of the percentage of cases attributed to each exposure category.

Table 1.5 Deaths following AIDS by sex and exposure category, cumulative to 31 December 2011, and for two previous yearly intervals

| Exposure category | 1 Jan 10 – 31 Dec 10 | | 1 Jan 11 – 31 Dec 11 | | Cumulative to 31 Dec 11 | | | % |
|---|----------------------|----------|----------------------|----------|-------------------------|------------|--------------|--------------|
| | Male | Female | Male | Female | Male | Female | Total | |
| Men who had sex with men | 17 | -- | 13 | -- | 5 422 | -- | 5 422 | 82.1 |
| Men who had sex with men and injecting drug use | 0 | -- | 2 | -- | 321 | -- | 321 | 4.9 |
| Injecting drug use | 0 | 1 | 2 | 0 | 142 | 67 | 209 | 3.2 |
| <i>Heterosexual</i> | 0 | 0 | 2 | 0 | 89 | 53 | 142 | |
| <i>Not further specified</i> | 0 | 1 | 0 | 0 | 53 | 14 | 67 | |
| Heterosexual contact | 2 | 0 | 2 | 2 | 216 | 156 | 372 | 5.6 |
| <i>Sex with injecting drug user</i> | 0 | 0 | 0 | 0 | 5 | 14 | 19 | |
| <i>Sex with bisexual male</i> | -- | 0 | -- | 0 | -- | 36 | 36 | |
| <i>From a high prevalence country</i> | 0 | 0 | 0 | 0 | 21 | 22 | 43 | |
| <i>Sex with person from a high prevalence country</i> | 1 | 0 | 2 | 0 | 30 | 12 | 42 | |
| <i>Sex with person with medically acquired HIV</i> | 0 | 0 | 0 | 0 | 2 | 7 | 9 | |
| <i>Sex with HIV infected person, exposure not specified</i> | 0 | 0 | 0 | 1 | 21 | 18 | 39 | |
| <i>Not further specified</i> | 1 | 0 | 0 | 1 | 137 | 47 | 184 | |
| Haemophilia/ coagulation disorder | 0 | 0 | 0 | 0 | 101 | 3 | 104 | 1.6 |
| Receipt of blood/tissue | 0 | 0 | 0 | 0 | 75 | 59 | 134 | 2.0 |
| Health care setting | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 0.0 |
| Total Adults/ Adolescents | 19 | 1 | 19 | 2 | 6 278 | 287 | 6 565 | 99.4 |
| Children (under 13 years at AIDS diagnosis) | | | | | | | | |
| Mother with/at risk for HIV infection | 0 | 0 | 0 | 0 | 10 | 10 | 20 | 0.3 |
| Haemophilia/ coagulation disorder | 0 | 0 | 0 | 0 | 5 | 0 | 5 | 0.1 |
| Receipt of blood/tissue | 0 | 0 | 0 | 0 | 11 | 3 | 14 | 0.2 |
| Total children | 0 | 0 | 0 | 0 | 26 | 13 | 39 | 0.6 |
| Sub-total | 19 | 1 | 19 | 2 | 6 304 | 300 | 6 604 | 100.0 |
| Other/undetermined ¹ | 3 | 0 | 2 | 1 | 201 | 15 | 239 | |
| Total | 22 | 1 | 21 | 3 | 6 505 | 315 | 6 843 | |

1 The 'Other/undetermined' exposure category includes 23 deaths following AIDS in people whose sex was reported as transgender. The category was excluded from the calculation of the percentage of cases attributed to each exposure category.

National HIV Registry

Table 2.1 Number of new diagnoses of HIV infection by sex¹ and State/Territory, cumulative to 31 December 2011, and for two previous yearly intervals

| State/Territory | 1 Jan 10 – 31 Dec 10 | | 1 Jan 11 – 31 Dec 11 | | Cumulative to 31 Dec 11 | | | Rate ² |
|--------------------------|----------------------|------------|----------------------|------------|-------------------------|--------------|---------------|-------------------|
| | Male | Female | Male | Female | Male | Female | Total | |
| ACT | 10 | 2 | 8 | 1 | 302 | 40 | 342 | 93.0 |
| NSW ³ | 316 | 32 | 360 | 29 | 15 191 | 1 075 | 16 528 | 229.2 |
| NT | 5 | 1 | 8 | 1 | 171 | 32 | 203 | 87.8 |
| QLD | 200 | 42 | 194 | 28 | 3 642 | 425 | 4 076 | 91.1 |
| SA | 36 | 5 | 50 | 17 | 1 153 | 147 | 1 301 | 79.4 |
| TAS | 9 | 1 | 11 | 4 | 152 | 26 | 178 | 34.8 |
| VIC ⁴ | 243 | 35 | 296 | 31 | 6 551 | 533 | 7 131 | 128.8 |
| WA | 77 | 32 | 67 | 31 | 1 546 | 333 | 1 886 | 80.2 |
| Total⁵ | 896 | 150 | 994 | 142 | 28 708 | 2 611 | 31 645 | 141.8 |

1 Seventy seven people (35 NSW, 9 QLD, 1 SA, 25 VIC and 7 WA) whose sex was reported as transgender are included in the total columns of Tables 2.1 – 2.3

2 Rate per one hundred thousand current population. Population estimates by sex, State/Territory and calendar interval from *Australian Demographic Statistics* (Australian Bureau of Statistics).

3 Cumulative total for NSW includes 227 people whose sex was not reported.

4 Cumulative total for VIC includes 22 people whose sex was not reported.

5 Cumulative total for Australia includes 249 people whose sex was not reported.

Table 2.2 Number of new diagnoses of HIV infection, by sex and exposure category, cumulative to 31 December 2011, and for two previous yearly intervals

| Exposure category | 1 Jan 10 – 31 Dec 10 | | 1 Jan 11 – 31 Dec 11 | | Cumulative to 31 Dec 11 | | | % |
|---|----------------------|------------|----------------------|------------|-------------------------|--------------|--------------------|--------------|
| | Male | Female | Male | Female | Male | Female | Total ¹ | |
| Men who had sex with men | 655 | -- | 772 | -- | 20 582 | -- | 20 582 | 74.7 |
| Men who had sex with men and injecting drug use | 22 | -- | 29 | -- | 1 143 | -- | 1 143 | 4.2 |
| Injecting drug use | 16 | 7 | 14 | 7 | 792 | 254 | 1 046 | 3.8 |
| <i>Heterosexual</i> | 11 | 4 | 11 | 7 | 357 | 189 | 546 | |
| <i>Not further specified</i> | 5 | 3 | 3 | 0 | 435 | 65 | 500 | |
| Heterosexual contact | 146 | 132 | 131 | 122 | 2 143 | 1 959 | 4 102 | 14.9 |
| <i>Sex with injecting drug user</i> | 0 | 5 | 0 | 3 | 43 | 143 | 186 | |
| <i>Sex with bisexual male</i> | -- | 1 | -- | 6 | -- | 174 | 174 | |
| <i>From a high prevalence country</i> | 52 | 81 | 32 | 65 | 560 | 780 | 1 340 | |
| <i>Sex with person from a high prevalence country</i> | 42 | 12 | 45 | 9 | 491 | 189 | 680 | |
| <i>Sex with person with medically acquired HIV</i> | 0 | 1 | 0 | 0 | 6 | 25 | 31 | |
| <i>Sex with HIV infected person, exposure not specified</i> | 6 | 9 | 10 | 17 | 129 | 239 | 368 | |
| <i>Not further specified</i> | 46 | 23 | 44 | 22 | 914 | 409 | 1 323 | |
| Haemophilia/ coagulation disorder | 0 | 0 | 0 | 0 | 219 | 4 | 223 | 0.8 |
| Receipt of blood/tissue | 0 | 0 | 1 | 1 | 109 | 105 | 214 | 0.8 |
| Health care setting ² | 0 | 0 | 0 | 0 | 4 | 9 | 13 | 0.0 |
| Total Adults/ Adolescents¹ | 839 | 139 | 947 | 130 | 24 992 | 2 331 | 27 323 | 99.2 |
| Children (under 13 years at HIV diagnosis) | | | | | | | | |
| Mother with/at risk for HIV infection ³ | 3 | 3 | 4 | 6 | 65 | 63 | 128 | 0.5 |
| Haemophilia/ coagulation disorder | 0 | 0 | 0 | 0 | 65 | 0 | 65 | 0.2 |
| Receipt of blood/tissue | 1 | 0 | 0 | 0 | 14 | 10 | 24 | 0.1 |
| Total children | 4 | 3 | 4 | 6 | 144 | 73 | 217 | 0.8 |
| Sub-total | 843 | 142 | 951 | 136 | 25 136 | 2 404 | 27 540 | 100.0 |
| Other/undetermined ⁴ | 53 | 8 | 43 | 6 | 3 572 | 207 | 4 105 | |
| Total¹ | 896 | 150 | 994 | 142 | 28 708 | 2 611 | 31 645 | |

1 Total column includes people whose sex was not reported.

2 'Health care setting' includes 5 cases of occupationally acquired HIV infection and 4 cases of HIV transmission in surgical rooms.

3 A total of 631 children were notified as having been born to women with HIV infection, cumulative to 31 December 2011.

4 The 'Other/undetermined' exposure category includes 4 077 adults/adolescents and 28 children. Seventy seven people whose sex was reported as transgender were included in the 'Other/undetermined' category. The 'Other/undetermined' category was excluded from the calculation of the percentage of cases attributed to each exposure category.

Table 2.3 Number of new diagnoses of HIV infection by sex and age group, cumulative to 31 December 2011, and for two previous yearly intervals

| Age group (years) | 1 Jan 10 – 31 Dec 10 | | 1 Jan 11 – 31 Dec 11 | | Cumulative to 31 Dec 11 | | | % |
|--------------------------|----------------------|------------|----------------------|------------|-------------------------|--------------|--------------------|--------------|
| | Male | Female | Male | Female | Male | Female | Total ¹ | |
| 0 – 2 | 1 | 1 | 1 | 1 | 50 | 33 | 84 | 0.3 |
| 3 – 12 | 3 | 2 | 3 | 5 | 111 | 48 | 159 | 0.5 |
| 0 – 12 | 4 | 3 | 4 | 6 | 161 | 81 | 243 | 0.8 |
| 13 – 19 | 12 | 3 | 12 | 5 | 516 | 129 | 653 | 2.1 |
| 20 – 29 | 210 | 55 | 265 | 33 | 8 762 | 971 | 9 858 | 31.2 |
| 30 – 39 | 276 | 61 | 307 | 55 | 10 492 | 844 | 11 445 | 36.2 |
| 40 – 49 | 244 | 17 | 237 | 35 | 5 693 | 337 | 6 075 | 19.2 |
| 50 – 59 | 103 | 9 | 124 | 6 | 2 179 | 128 | 2 320 | 7.3 |
| 60+ | 47 | 2 | 45 | 2 | 769 | 89 | 862 | 2.7 |
| Not reported | 0 | 0 | 0 | 0 | 136 | 32 | 189 | 0.6 |
| Total¹ | 896 | 150 | 994 | 142 | 28 708 | 2 611 | 31 645 | 100.0 |

1 See footnotes Table 2.1

Table 2.4 Number of new diagnoses of HIV infection in the year 1 January 2011 to 31 December 2011 for which primary HIV infection was diagnosed or the date of a prior negative test was within one year of diagnosis of HIV infection, by sex and State/Territory and for two six month intervals of HIV diagnosis

| State/Territory | 1 Jan 11 – 30 Jun 11 | | 1 Jul 11 – 31 Dec 11 | | 1 Jan 11 – 31 Dec 11 | | |
|-----------------|----------------------|----------|----------------------|----------|----------------------|-----------|------------|
| | Male | Female | Male | Female | Male | Female | Total |
| ACT | 1 | 0 | 3 | 0 | 4 | 0 | 4 |
| NSW | 99 | 1 | 67 | 3 | 166 | 4 | 170 |
| NT | 1 | 0 | 1 | 1 | 2 | 1 | 3 |
| QLD | 30 | 3 | 28 | 0 | 58 | 3 | 61 |
| SA | 5 | 0 | 0 | 0 | 5 | 0 | 5 |
| TAS | 4 | 0 | 1 | 0 | 5 | 0 | 5 |
| VIC | 56 | 2 | 41 | 2 | 97 | 4 | 101 |
| WA | 12 | 1 | 13 | 3 | 25 | 4 | 29 |
| Total | 208 | 7 | 154 | 9 | 362 | 16 | 378 |

Table 2.5 Number of new diagnoses of HIV infection in the year 1 January 2011 to 31 December 2011 for which primary HIV infection was diagnosed or the date of a prior negative test was within one year of diagnosis of HIV infection, by sex and exposure category and for two six month intervals of HIV diagnosis

| Exposure category | 1 Jan 11 – 30 Jun 11 | | 1 Jul 11 – 31 Dec 11 | | 1 Jan 11 – 31 Dec 11 | | |
|---|----------------------|----------|----------------------|----------|----------------------|-----------|------------|
| | Male | Female | Male | Female | Male | Female | Total |
| Men who had sex with men | 187 | -- | 140 | -- | 327 | -- | 327 |
| Men who had sex with men and injecting drug use | 4 | -- | 3 | -- | 7 | -- | 7 |
| Injecting drug use (female and heterosexual male) | 2 | 0 | 0 | 1 | 2 | 1 | 3 |
| Heterosexual contact | 12 | 7 | 9 | 7 | 21 | 14 | 35 |
| Health care setting | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Other/undetermined | 3 | 0 | 2 | 1 | 5 | 1 | 6 |
| Total | 208 | 7 | 154 | 9 | 362 | 16 | 378 |

Table 2.6 Number of new diagnoses of HIV infection in the year 1 January 2011 to 31 December 2011 for which primary HIV infection was diagnosed or the date of a prior negative test was within one year of diagnosis of HIV infection, by sex and age group and for two six month intervals of HIV diagnosis

| Age group (years) | 1 Jan 11 – 30 Jun 11 | | 1 Jul 11 – 31 Dec 11 | | 1 Jan 11 – 31 Dec 11 | | |
|-------------------|----------------------|----------|----------------------|----------|----------------------|-----------|------------|
| | Male | Female | Male | Female | Male | Female | Total |
| 13 – 19 | 5 | 1 | 1 | 1 | 6 | 2 | 8 |
| 20 – 29 | 63 | 1 | 53 | 1 | 116 | 2 | 118 |
| 30 – 39 | 58 | 2 | 52 | 4 | 110 | 6 | 116 |
| 40 – 49 | 60 | 1 | 34 | 3 | 94 | 4 | 98 |
| 50 – 59 | 19 | 2 | 9 | 0 | 28 | 2 | 30 |
| 60+ | 3 | 0 | 5 | 0 | 8 | 0 | 8 |
| Total | 208 | 7 | 154 | 9 | 362 | 16 | 378 |

Sentinel surveillance of HIV infection in sexual health clinics

Table 3.1 Number of people seen, number of people tested for HIV antibody and number of people newly diagnosed with HIV infection, by sex and sexual health clinic, during the quarter 1 October to 31 December 2011

| Sexual health clinic | Seen at Clinic | | Tested for HIV antibody | | Newly diagnosed with HIV infection | | Total |
|--------------------------------------|----------------|--------------|-------------------------|--------------|------------------------------------|----------|-----------|
| | Male | Female | Male | Female | Male | Female | |
| Sydney Sexual Health Centre | 2 086 | 1 140 | 489 | 272 | 7 | 0 | 7 |
| RPA Sexual Health Centre, NSW | 596 | 236 | 257 | 98 | 6 | 0 | 6 |
| Brisbane Sexual Health Clinic, QLD | 938 | 553 | 269 | 103 | 1 | 0 | 1 |
| Gold Coast Sexual Health Clinic, QLD | 834 | 545 | 321 | 234 | 1 | 0 | 1 |
| Clinic 275, Adelaide, SA | 1 402 | 696 | 1 150 | 533 | 3 | 0 | 3 |
| Melbourne Sexual Health Centre, VIC | 2 912 | 2 194 | 1 985 | 1 069 | 3 | 2 | 5 |
| Total | 8 768 | 5 364 | 4 471 | 2 309 | 21 | 2 | 23 |

Table 3.2 Number of people seen who had a *previous negative HIV antibody test*, percent retested for HIV antibody and number (percent) newly diagnosed with HIV infection, by sex and exposure category, during the quarter 1 October to 31 December 2011

| Exposure category | Previous negative HIV antibody test | | % retested for HIV antibody | | Newly diagnosed with HIV infection | | | % |
|---|-------------------------------------|--------------|-----------------------------|-------------|------------------------------------|----------|-----------|------------|
| | Male | Female | Male | Female | Male | Female | Total | |
| Men who have sex with men | 2 861 | -- | 67.2 | -- | 7 | -- | 8 | 0.5 |
| Men who have sex with men and injecting drug use | 111 | -- | 64.0 | -- | 1 | -- | 1 | 1.4 |
| Injecting drug use (female and heterosexual male) | 94 | 76 | 67.0 | 56.6 | 0 | 0 | 0 | 0.0 |
| Heterosexual contact | 2 012 | 1 678 | 53.6 | 42.8 | 0 | 1 | 1 | 0.1 |
| <i>outside Australia</i> | 632 | 438 | 65.5 | 44.7 | 0 | 0 | 0 | 0.0 |
| <i>within Australia only</i> | 1 380 | 1 240 | 48.1 | 42.2 | 0 | 1 | 1 | 0.1 |
| Sex worker | -- | 1 065 | -- | 55.5 | -- | 1 | 1 | 0.2 |
| Sex worker and injecting drug use | -- | 72 | -- | 61.1 | -- | 0 | 0 | 0.0 |
| Other/undetermined | 30 | 64 | 43.3 | 62.5 | 0 | 0 | 0 | 0.0 |
| Total | 5 108 | 2 955 | 61.6 | 48.6 | 8 | 2 | 10 | 0.2 |

Table 3.3 Number of people seen with *no previous HIV antibody test*, percent tested for HIV antibody for the first time, and number (percent) newly diagnosed with HIV infection, by sex and exposure category, during the quarter 1 October to 31 December 2011

| Exposure category | No previous HIV antibody test | | % tested for HIV antibody | | Newly diagnosed with HIV infection | | | % |
|---|-------------------------------|--------------|---------------------------|-------------|------------------------------------|----------|-----------|------------|
| | Male | Female | Male | Female | Male | Female | Total | |
| Men who have sex with men | 645 | -- | 58.9 | -- | 11 | -- | 11 | 2.9 |
| Men who have sex with men and injecting drug use | 35 | -- | 42.9 | -- | 0 | -- | 0 | 0.0 |
| Injecting drug use (female and heterosexual male) | 37 | 28 | 48.6 | 60.7 | 0 | 0 | 0 | 0.0 |
| Heterosexual contact | 1 626 | 1 631 | 54.6 | 43.7 | 0 | 0 | 0 | 0.0 |
| <i>outside Australia</i> | 471 | 413 | 66.9 | 55.2 | 0 | 0 | 0 | 0.0 |
| <i>within Australia only</i> | 1 155 | 1 218 | 49.6 | 39.7 | 0 | 0 | 0 | 0.0 |
| Sex worker | -- | 202 | -- | 57.4 | -- | 0 | 0 | 0.0 |
| Sex worker and injecting drug use | -- | 7 | -- | 57.1 | -- | 0 | 0 | 0.0 |
| Other/undetermined | 796 | 501 | 2.9 | 4.6 | 2 | 0 | 2 | 4.3 |
| Total | 3 139 | 2 369 | 42.2 | 36.8 | 13 | 0 | 13 | 0.6 |

Table 3.4 Number of people seen, number tested for HIV antibody and number newly diagnosed with HIV infection, by sex and age group, during the quarter 1 October to 31 December 2011

| Age group (years) | Seen at Clinic | | Tested for HIV antibody | | Newly diagnosed with HIV infection | | |
|-------------------|----------------|--------------|-------------------------|--------------|------------------------------------|----------|-----------|
| | Male | Female | Male | Female | Male | Female | Total |
| 13 – 19 | 379 | 502 | 205 | 177 | 0 | 0 | 0 |
| 20 – 29 | 3 912 | 2 908 | 2 089 | 1 188 | 8 | 1 | 9 |
| 30 – 39 | 2 331 | 1 294 | 1 180 | 627 | 7 | 1 | 8 |
| 40 – 49 | 1 265 | 478 | 564 | 238 | 2 | 0 | 2 |
| 50 – 59 | 577 | 136 | 287 | 62 | 4 | 0 | 4 |
| 60+ | 304 | 46 | 146 | 17 | 0 | 0 | 0 |
| Total | 8 768 | 5 364 | 4 471 | 2 309 | 21 | 2 | 23 |

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The Kirby Institute for infection and immunity in society

ISSN 1035–221X

Notes

The National AIDS Registry is maintained by the Kirby Institute on behalf of the National Blood Borne Virus and Sexually Transmissible Infections Surveillance Committee, which consists of representatives from the Kirby Institute, the Health Departments of each State and Territory, the affected communities and the Australian Government Department of Health and Ageing. The Registry is based on reports from doctors who diagnose AIDS, made to the Health Department in the State/Territory of diagnosis. Date of birth and a name code (first two letters of first and last name) are used to minimise duplicate registration, while maintaining confidentiality.

The National HIV Registry is maintained by the Kirby Institute on behalf of the National Blood Borne Virus and Sexually Transmissible Infections Surveillance Committee. It is based on reports of new diagnoses of HIV infection from HIV Reference Laboratories (ACT, NSW, TAS, VIC), or from a combination of Reference Laboratory and diagnosing doctors (NT, QLD, SA, WA). In order to avoid counting the same case more than once, only diagnoses which are determined to be new by the diagnosing laboratory or doctor are reported for the purposes of national surveillance.

Sentinel surveillance is carried out by six sexual health clinics in five Australian cities, which send quarterly reports on HIV antibody testing to the Kirby Institute. Tabulations from the National AIDS Registry, the National HIV Registry and Sentinel HIV Surveillance in sexual health clinics are based on data available three months after the end of the reporting interval indicated, to allow for reporting delay and to incorporate newly available information.

Abbreviations: HIV is the human immunodeficiency virus, and unless otherwise specified, refers to HIV-1 only. AIDS is the acquired immunodeficiency syndrome and STI stands for sexually transmissible infection. High prevalence countries are those of sub-Saharan Africa, the Caribbean and specific countries in South East Asia (Cambodia, Myanmar and Thailand), where HIV prevalence is above 1% and transmission is believed to be predominantly heterosexual. The Australian States and Territories are: Australian Capital Territory (ACT), New South Wales (NSW), Northern Territory (NT), Queensland (QLD), South Australia (SA), Tasmania (TAS), Victoria (VIC) and Western Australia (WA).

All data in this report are provisional and subject to future revision.

The Australian HIV Surveillance Report is produced by the Kirby Institute on a quarterly basis, issued in January, April, July and October. Subscription is free, and can be obtained by writing to the Editor or by calling the Surveillance and Evaluation Program for Public Health of the Kirby Institute:

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State/Territory publications of surveillance data, available through the Internet, are listed below:

| | |
|---|--|
| NSW Public Health Bulletin | www.health.nsw.gov.au/publichealth/phb/phb.html |
| The Northern Territory Disease Control Bulletin | www.nt.gov.au/health/cdc/aids_std/report/index.shtml |
| Sexually Transmitted Diseases in South Australia | www.stdservices.on.net/publications |
| Victorian Infectious Diseases Bulletin | www.dhs.vic.gov.au/phd/vidb/ |
| Disease WAatch | www.public.health.wa.gov.au/ |

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