



# The Kirby Institute Australian HIV Surveillance Report

Vol 27 No 2 April 2011

## Diagnoses in the fourth quarter

### 1 October – 31 December 2010

a total of 227 diagnoses of HIV infection, 33 diagnoses of AIDS and 7 deaths following AIDS were reported, by 31 March 2011, to have occurred in the fourth quarter of 2010

in comparison, 261 diagnoses of HIV infection, 25 diagnoses of AIDS and 3 deaths following AIDS were reported by 31 March 2010, to have occurred in the fourth quarter of 2009

### New HIV infection

During the fourth quarter of 2010, 52 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 84.6% (44) of cases.

### Diagnoses in the year to 31 December 2010

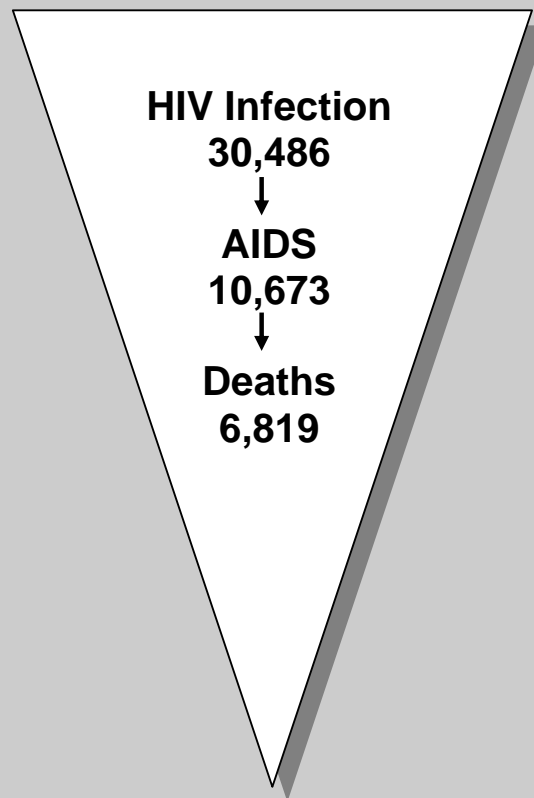
1 043 diagnoses of HIV infection

122 diagnoses of AIDS

23 deaths following AIDS were reported by 31 March 2011

## HIV diagnoses in Australia

### A cumulative profile to 31 December 2010



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## Announcements

The **22nd annual ASHM Conference** will be held in Sydney, New South Wales, Australia, on 20 – 22 October 2010. The conference will be held at the Sydney Convention and Exhibition Centre, Darling Harbour, Sydney. Further information may be obtained through the website <http://www.hivaidconference.com.au>.

The **2010 Australasian Sexual Health Conference** will also be held in Sydney, New South Wales, on 18 – 20 October 2010. Further information may be obtained through the website <http://www.hivaidconference.com.au>

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## **HIV diagnoses**

People diagnosed with HIV infection in the year to 31 December 2010 had an average age of 38 years and 1.4% was in the age group 13 – 19 years

85.5% were male and 13.7% were female

of 832 cases of HIV infection, newly diagnosed among adult/adolescent males in the year to 31 December 2010 for which an exposure to HIV was reported, 673 (80.9%) were attributed to men who had sex with men, with or without a history of injecting drug use.

## **Total diagnoses to 31 December 2010**

30 486 diagnoses of HIV infection

10 673 diagnoses of AIDS

6 819 deaths following AIDS were reported by 31 March 2011

## **HIV testing in sexual health clinics**

Six sexual health clinics in Adelaide, Brisbane, Gold Coast, Melbourne and Sydney tested 6 797 people in the quarter 1 October – 31 December 2010 who were not previously known to have HIV infection.

of 1 277 men reported as having been tested for the first time, 4 (0.3%) were found to have HIV infection

of 3 097 men, reported as having been retested following a previous negative test, 9 (0.3%) were found to have HIV infection

of 1 850 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 2010, and for two previous yearly intervals**

## Cases

State/Territory	1 Jan 09 – 31 Dec 09		1 Jan 10 – 31 Dec 10		Cumulative to 31 Dec 10			%
	Male	Female	Male	Female	Male	Female	Total <sup>†</sup>	
ACT	1	0	0	0	95	10	105	1.0
NSW	44	6	36	6	5 634	282	5 935	55.6
NT	1	2	3	0	51	6	57	0.5
QLD	15	3	15	2	1 112	80	1 194	11.2
SA	8	0	1	0	427	32	460	4.3
TAS	0	0	0	0	55	4	59	0.6
VIC	45	5	46	1	2 203	127	2 343	22.0
WA	9	3	10	1	469	49	520	4.9
<b>Total</b>	<b>123</b>	<b>19</b>	<b>111</b>	<b>10</b>	<b>10 046</b>	<b>590</b>	<b>10 673</b>	<b>100.0</b>

## Deaths

State/Territory	1 Jan 09 – 31 Dec 09		1 Jan 10 – 31 Dec 10		Cumulative to 31 Dec 10			%
	Male	Female	Male	Female	Male	Female	Total <sup>†</sup>	
ACT	0	0	0	0	73	7	80	1.2
NSW	4	0	4	0	3 612	142	3 765	55.2
NT	1	0	0	0	33	1	34	0.5
QLD	1	0	6	1	687	44	733	10.7
SA	0	0	1	0	281	20	301	4.4
TAS	0	0	0	0	34	2	36	0.5
VIC	5	1	11	0	1 463	66	1 538	22.6
WA	1	1	0	0	301	30	332	4.9
<b>Total</b>	<b>12</b>	<b>2</b>	<b>22</b>	<b>1</b>	<b>6 484</b>	<b>312</b>	<b>6 819</b>	<b>100.0</b>

† 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 population<sup>1</sup> by sex and State/Territory of diagnosis for the two most recent yearly intervals**

State/Territory	1 Jan 09 – 31 Dec 09			1 Jan 10 – 31 Dec 10		
	Male	Female	Total	Male	Female	Total
ACT	5.7	0.0	2.8	0.0	0.0	0.0
NSW	12.5	1.7	7.0	10.0	1.6	5.8
NT	8.5	18.4	13.3	25.2	0.0	13.1
QLD	6.8	1.4	4.1	6.6	0.9	3.8
SA	10.0	0.0	4.9	1.2	0.0	0.6
TAS	0.0	0.0	0.0	0.0	0.0	0.0
VIC	16.7	1.8	9.2	16.7	0.4	8.5
WA	7.9	2.7	5.3	8.6	0.9	4.8
<b>Total</b>	<b>11.3</b>	<b>1.7</b>	<b>6.5</b>	<b>10.0</b>	<b>0.9</b>	<b>5.4</b>

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 2010, and for two previous yearly intervals**

**Cases<sup>1</sup>**

Age group (years)	1 Jan 09 – 31 Dec 09		1 Jan 10 – 31 Dec 10		Cumulative to 31 Dec 10			%
	Male	Female	Male	Female	Male	Female	Total <sup>†</sup>	
0 – 2	0	2	0	0	10	12	22	0.2
2 – 12	0	0	0	0	22	12	34	0.3
0 – 12	0	2	0	0	32	24	56	0.5
13 – 19	0	1	0	1	28	7	35	0.3
20 – 29	11	1	10	2	1 487	131	1 634	15.3
30 – 39	31	5	34	4	4 041	216	4 269	40.0
40 – 49	43	5	34	1	2 932	113	3 050	28.6
50 – 59	27	5	22	1	1 118	56	1 178	11.0
60+	11	0	11	1	408	43	451	4.2
<b>Total<sup>1</sup></b>	<b>123</b>	<b>19</b>	<b>111</b>	<b>10</b>	<b>10 046</b>	<b>590</b>	<b>10 673</b>	<b>100.0</b>

**Deaths<sup>2</sup>**

Age group (years)	1 Jan 09 – 31 Dec 09		1 Jan 10 – 31 Dec 10		Cumulative to 31 Dec 10			%
	Male	Female	Male	Female	Male	Female	Total <sup>†</sup>	
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	1	0	698	50	759	11.1
30 – 39	1	2	0	0	2 493	111	2 613	38.3
40 – 49	4	0	9	1	2 097	63	2 162	31.7
50 – 59	6	0	7	0	838	35	874	12.8
60+	0	0	5	0	320	38	358	5.3
<b>Total<sup>1</sup></b>	<b>12</b>	<b>2</b>	<b>22</b>	<b>1</b>	<b>6 484</b>	<b>312</b>	<b>6 819</b>	<b>100.0</b>

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 2010, and for two previous yearly intervals**

Exposure category	1 Jan 09 – 31 Dec 09		1 Jan 10 – 31 Dec 10		Cumulative to 31 Dec 10			%
	Male	Female	Male	Female	Male	Female	Total	
Men who had sex with men	74	--	66	--	8 083	--	8 083	79.0
Men who had sex with men and injecting drug use	10	--	3	--	518	--	518	5.1
Injecting drug use	9	0	3	0	250	107	357	3.5
<i>Heterosexual</i>	5	0	2	0	153	81	234	
<i>Not further specified</i>	4	0	1	0	97	26	123	
Heterosexual contact	17	16	27	9	574	360	934	9.1
<i>Sex with injecting drug user</i>	0	0	0	0	10	32	42	
<i>Sex with bisexual male</i>	--	2	--	0	--	53	53	
<i>From a high prevalence country</i>	2	5	5	4	114	107	221	
<i>Sex with person from a high prevalence country</i>	4	1	4	1	96	27	123	
<i>Sex with person with medically acquired HIV</i>	0	0	0	0	2	10	12	
<i>Sex with HIV infected person, exposure not specified</i>	0	1	1	0	35	38	73	
<i>Not further specified</i>	11	7	17	4	317	93	410	
Haemophilia/coagulation disorder	0	0	0	0	124	3	127	1.2
Receipt of blood/tissue	0	0	1	0	85	67	152	1.5
Health care setting	0	0	0	0	1	3	4	0.0
<b>Total Adults/ Adolescents</b>	<b>110</b>	<b>16</b>	<b>100</b>	<b>9</b>	<b>9 635</b>	<b>540</b>	<b>10 175</b>	<b>99.4</b>
<b>Children (under 13 years at AIDS diagnosis)</b>								
Mother with/at risk for HIV infection	0	2	0	0	17	21	38	0.4
Haemophilia/coagulation disorder	0	0	0	0	5	0	5	0.1
Receipt of blood/tissue	0	0	0	0	11	3	14	0.1
<b>Total children</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>33</b>	<b>24</b>	<b>57</b>	<b>0.6</b>
<b>Sub-total</b>	<b>110</b>	<b>18</b>	<b>100</b>	<b>9</b>	<b>9 668</b>	<b>564</b>	<b>10 232</b>	<b>100.0</b>
Other/undetermined <sup>1</sup>	13	1	11	1	378	26	441	
<b>Total</b>	<b>123</b>	<b>19</b>	<b>111</b>	<b>10</b>	<b>10 046</b>	<b>590</b>	<b>10 673</b>	

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 2010, and for two previous yearly intervals**

Exposure category	1 Jan 09 – 31 Dec 09		1 Jan 10 – 31 Dec 10		Cumulative to 31 Dec 10			%
	Male	Female	Male	Female	Male	Female	Total	
Men who had sex with men	5	--	17	--	5 409	--	5 409	82.2
Men who had sex with men and injecting drug use	3	--	0	--	319	--	319	4.8
Injecting drug use	0	0	0	1	140	67	207	3.1
<i>Heterosexual</i>	0	0	0	0	87	53	140	
<i>Not further specified</i>	0	0	0	1	53	14	67	
Heterosexual contact	1	2	2	0	214	154	368	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	1	0	0	21	22	43	
<i>Sex with person from a high prevalence country</i>	0	0	1	0	28	12	40	
<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	0	21	17	38	
<i>Not further specified</i>	1	1	1	0	137	46	183	
Haemophilia/ coagulation disorder	1	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
<b>Total Adults/ Adolescents</b>	<b>10</b>	<b>2</b>	<b>19</b>	<b>1</b>	<b>6 259</b>	<b>285</b>	<b>6 544</b>	<b>99.4</b>
<b>Children (under 13 years at AIDS diagnosis)</b>								
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
<b>Total children</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>26</b>	<b>13</b>	<b>39</b>	<b>0.6</b>
<b>Sub-total</b>	<b>10</b>	<b>2</b>	<b>19</b>	<b>1</b>	<b>6 285</b>	<b>298</b>	<b>6 583</b>	<b>100.0</b>
Other/undetermined <sup>1</sup>	2	0	3	0	199	14	236	
<b>Total</b>	<b>12</b>	<b>2</b>	<b>22</b>	<b>1</b>	<b>6 484</b>	<b>312</b>	<b>6 819</b>	

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 sex<sup>1</sup> and State/Territory, cumulative to 31 December 2010, and for two previous yearly intervals

State/Territory	1 Jan 09 – 31 Dec 09		1 Jan 10 – 31 Dec 10		Cumulative to 31 Dec 10			Rate <sup>2</sup>
	Male	Female	Male	Female	Male	Female	Total	
ACT	10	2	10	2	293	39	332	92.6
NSW <sup>3</sup>	335	43	315	32	14 822	1 043	16 128	223.0
NT	11	5	5	1	163	31	194	84.5
QLD	183	26	200	42	3 448	397	3 854	85.4
SA	43	10	36	5	1 102	130	1 233	75.0
TAS	11	3	9	1	141	22	163	32.1
VIC <sup>4</sup>	261	29	244	34	6 257	499	6 802	122.6
WA	63	26	73	28	1 475	298	1 780	77.6
<b>Total<sup>5</sup></b>	<b>917</b>	<b>144</b>	<b>892</b>	<b>145</b>	<b>27 701</b>	<b>2 459</b>	<b>30 486</b>	<b>136.5</b>

1 Seventy six people (35 NSW, 9 QLD, 1 SA, 24 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 228 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 250 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 2010, and for two previous yearly intervals**

Exposure category	1 Jan 09 – 31 Dec 09		1 Jan 10 – 31 Dec 10		Cumulative to 31 Dec 10			%
	Male	Female	Male	Female	Male	Female	Total <sup>1</sup>	
Men who had sex with men	650	--	651	--	19 795	--	19 795	74.9
Men who had sex with men and injecting drug use	35	--	22	--	1 108	--	1 108	4.2
Injecting drug use	22	1	16	7	777	244	1 021	3.9
<i>Heterosexual</i>	12	1	11	4	346	180	526	
<i>Not further specified</i>	10	0	5	3	431	64	495	
Heterosexual contact	153	132	143	126	2 009	1 829	3 838	14.5
<i>Sex with injecting drug user</i>	1	4	0	5	43	142	185	
<i>Sex with bisexual male</i>	--	4	--	1	--	167	167	
<i>From a high prevalence country</i>	62	61	51	75	527	709	1 236	
<i>Sex with person from a high prevalence country</i>	26	9	41	12	444	180	624	
<i>Sex with person with medically acquired HIV</i>	0	1	0	1	6	25	31	
<i>Sex with HIV infected person, exposure not specified</i>	7	13	5	9	117	219	336	
<i>Not further specified</i>	57	40	46	23	872	387	1 259	
Haemophilia/ coagulation disorder	0	0	0	0	219	4	223	0.8
Receipt of blood/tissue	0	0	0	0	108	104	212	0.8
Health care setting <sup>2</sup>	0	0	0	0	4	9	13	0.0
<b>Total Adults/ Adolescents<sup>1</sup></b>	<b>860</b>	<b>133</b>	<b>832</b>	<b>133</b>	<b>24 020</b>	<b>2 190</b>	<b>26 210</b>	<b>99.2</b>
<b>Children (under 13 years at HIV diagnosis)</b>								
Mother with/at risk for HIV infection <sup>3</sup>	5	6	3	2	62	55	117	0.4
Haemophilia/ coagulation disorder	0	0	0	0	65	0	65	0.2
Receipt of blood/tissue	0	1	1	0	14	10	24	0.1
<b>Total children</b>	<b>5</b>	<b>7</b>	<b>4</b>	<b>2</b>	<b>141</b>	<b>65</b>	<b>206</b>	<b>0.8</b>
<b>Sub-total</b>	<b>865</b>	<b>140</b>	<b>836</b>	<b>135</b>	<b>24 161</b>	<b>2 255</b>	<b>26 416</b>	<b>100.0</b>
Other/undetermined <sup>4</sup>	52	4	56	10	3 540	204	4 070	
<b>Total<sup>1</sup></b>	<b>917</b>	<b>144</b>	<b>892</b>	<b>145</b>	<b>27 701</b>	<b>2 459</b>	<b>30 486</b>	

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 590 children were notified as having been born to women with HIV infection, cumulative to 31 December 2010.

4 The 'Other/undetermined' exposure category includes 4 043 adults/adolescents and 27 children. Seventy six 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 2010, and for two previous yearly intervals**

Age group (years)	1 Jan 09 – 31 Dec 09		1 Jan 10 – 31 Dec 10		Cumulative to 31 Dec 10			%
	Male	Female	Male	Female	Male	Female	Total <sup>1</sup>	
0 – 2	0	2	1	0	49	31	81	0.3
3 – 12	3	6	3	2	108	41	149	0.5
0 – 12	3	8	4	2	157	72	230	0.8
13 – 19	10	3	12	3	503	124	635	2.1
20 – 29	222	46	208	53	8 492	936	9 553	31.3
30 – 39	304	52	276	59	10 178	785	11 071	36.3
40 – 49	232	22	246	17	5 458	301	5 804	19.0
50 – 59	115	10	100	9	2 052	122	2 188	7.2
60+	31	3	46	2	723	87	814	2.7
Not reported	0	0	0	0	138	32	191	0.6
<b>Total<sup>1</sup></b>	<b>917</b>	<b>144</b>	<b>892</b>	<b>145</b>	<b>27 701</b>	<b>2 459</b>	<b>30 486</b>	<b>100.0</b>

1 See footnotes Table 2.1

**Table 2.4 Number of new diagnoses of HIV infection in the year 1 January to 31 December 2010 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 10 – 30 Jun 10		1 Jul 10 – 31 Dec 10		1 Jan 10 – 31 Dec 10		
	Male	Female	Male	Female	Male	Female	Total <sup>1</sup>
ACT	1	0	2	0	3	0	3
NSW <sup>1</sup>	70	1	55	1	125	2	128
NT	2	0	0	0	2	0	2
QLD	26	3	25	1	51	4	55
SA	3	1	1	0	4	1	5
TAS	1	0	1	0	2	0	2
VIC	49	2	40	3	89	5	94
WA	12	1	2	0	14	1	15
<b>Total<sup>1</sup></b>	<b>164</b>	<b>8</b>	<b>126</b>	<b>5</b>	<b>290</b>	<b>13</b>	<b>304</b>

1. Total includes 1 case whose sex was reported as transgender.

**Table 2.5** Number of new diagnoses of HIV infection in the year 1 January to 31 December 2010 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 10 – 30 Jun 10		1 Jul 10 – 31 Dec 10		1 Jan 10 – 31 Dec 10		
	Male	Female	Male	Female	Male	Female	Total
Men who had sex with men	151	--	110	--	261	--	261
Men who had sex with men and injecting drug use	6	--	1	--	7	--	7
Injecting drug use (female and heterosexual male)	0	1	1	0	1	1	2
Heterosexual contact	3	6	9	5	12	11	23
Health care setting	0	0	0	0	0	0	0
Other/undetermined <sup>1</sup>	4	1	5	0	9	1	11
<b>Total<sup>1</sup></b>	<b>164</b>	<b>8</b>	<b>126</b>	<b>5</b>	<b>290</b>	<b>13</b>	<b>304</b>

1. Total includes 1 case whose sex was reported as transgender.

**Table 2.6** Number of new diagnoses of HIV infection in the year 1 January to 31 December 2010 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 10 – 30 Jun 10		1 Jul 10 – 31 Dec 10		1 Jan 10 – 31 Dec 10		
	Male	Female	Male	Female	Male	Female	Total <sup>1</sup>
13 – 19	1	0	7	0	8	0	8
20 – 29 <sup>1</sup>	50	1	40	1	90	2	93
30 – 39	48	5	34	1	82	6	88
40 – 49	47	1	30	2	77	3	80
50 – 59	17	1	10	1	27	2	29
60+	1	0	5	0	6	0	6
<b>Total<sup>1</sup></b>	<b>164</b>	<b>8</b>	<b>126</b>	<b>5</b>	<b>290</b>	<b>13</b>	<b>304</b>

1. Total includes 1 case whose sex was reported as transgender.

## 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 2010

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	1 782	1 037	780	428	4	0	4
RPA Sexual Health Centre, NSW	543	200	249	90	2	0	2
Brisbane Sexual Health Clinic, QLD	1 106	617	378	128	1	0	1
Gold Coast Sexual Health Clinic, QLD	736	476	301	172	0	0	0
Clinic 275, Adelaide, SA	1 336	692	1 117	577	1	2	3
Melbourne Sexual Health Centre, VIC	2 616	2 018	1 627	950	4	0	4
<b>Total</b>	<b>8 119</b>	<b>5 040</b>	<b>4 452</b>	<b>2 345</b>	<b>12</b>	<b>2</b>	<b>14</b>

**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 2010

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	2 398	--	74.6	--	8	--	8	0.5
Men who have sex with men and injecting drug use	86	--	72.1	--	0	--	0	0.0
Injecting drug use (female and heterosexual male)	78	83	55.1	48.2	0	0	0	0.0
Heterosexual contact	2 306	1 768	51.6	39.2	1	0	1	0.1
<i>outside Australia</i>	789	367	64.9	49.3	0	0	0	0.0
<i>within Australia only</i>	1 517	1 401	44.6	36.5	1	0	1	0.1
Sex worker	--	1 369	--	52.7	--	0	0	0.0
Sex worker and injecting drug use	--	65	--	57.9	--	0	0	0.0
Other/undetermined	35	104	42.9	52.3	0	1	1	1.7
<b>Total</b>	<b>4 903</b>	<b>3 389</b>	<b>63.2</b>	<b>45.2</b>	<b>9</b>	<b>1</b>	<b>10</b>	<b>0.2</b>

**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 2010

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	550	--	63.8	--	3	--	3	0.9
Men who have sex with men and injecting drug use	16	--	68.7	--	0	--	0	0.0
Injecting drug use (female and heterosexual male)	28	21	60.7	61.9	0	0	0	0.0
Heterosexual contact	1 773	1 558	53.9	43.1	0	1	1	0.1
<i>outside Australia</i>	543	390	65.4	51.0	0	0	0	0.0
<i>within Australia only</i>	1 230	1 168	48.9	40.4	0	1	1	0.1
Sex worker	--	128	--	77.3	--	0	0	0.0
Sex worker and injecting drug use	--	6	--	33.3	--	0	0	0.0
Other/undetermined	373	233	5.4	12.4	0	0	0	0.0
<b>Total</b>	<b>2 740</b>	<b>1 946</b>	<b>49.5</b>	<b>41.8</b>	<b>3</b>	<b>1</b>	<b>4</b>	<b>0.2</b>

**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 2010

Age group (years)	Seen at Clinic		Tested for HIV antibody		Newly diagnosed with HIV infection		
	Male	Female	Male	Female	Male	Female	Total
13 – 19	340	416	194	171	0	1	1
20 – 29	3 663	2 661	2 099	1 233	7	1	8
30 – 39	2 082	1 304	1 175	631	3	0	3
40 – 49	1 220	477	605	233	0	0	0
50 – 59	534	142	260	60	1	0	1
60+	280	40	119	17	1	0	1
<b>Total</b>	<b>8 119</b>	<b>5 040</b>	<b>4 452</b>	<b>2 345</b>	<b>12</b>	<b>2</b>	<b>14</b>

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## 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.

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

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

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