



# Iowa Department of Public Health

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**Date:** May 4, 2005  
**To:** HIV/AIDS Surveillance Group  
**From:** Randy Mayer, HIV/AIDS Surveillance Coordinator  
**Re:** 2005 Quarter 1 HIV/AIDS Surveillance Report

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This quarter, we had 33 diagnoses of HIV infection (regardless of AIDS status), which is a little above our usual pace. Fifteen (45%) received concurrent diagnoses of AIDS. There were 8 persons who converted from HIV to AIDS, for a total of 23 AIDS diagnoses, also a little higher than expected.

Of note is an increase in the percentage of HIV and AIDS cases diagnosed among Black, non-Hispanic persons during the 1<sup>st</sup> quarter of 2005. We also saw a bit of an increase in HIV diagnoses among foreign-born persons. It is too early to identify this as a trend; we'll keep an eye on these numbers through the rest of the year.

The number of late testers continues to be a concern. Fifty-two percent of persons diagnosed with HIV in Iowa in 2003 received a diagnosis of AIDS within 1 year (see figure on next page). This was an increase from 45% in 2002 and compares to about 43% nationally from 1994 to 1999. A comparison of early and late testers by CDC from 2000 to 2003 showed that late testers are more likely to be heterosexual, have lower education levels, and to be members of racial and ethnic minorities.<sup>1</sup> They also benefit less from antiretroviral therapy and have more opportunities to inadvertently spread HIV to partners. Interestingly, late testers are more likely than early testers to have been tested previously. The authors of the study surmised that because they tested negative previously, late testers may erroneously presume they are not at risk.

We are currently working on assessing the characteristics of persons diagnosed with HIV/AIDS but who were not in care in 2003. A report should be issued in the next quarter.

If you have any comments, please drop me an email at [rmayer@idph.state.ia.us](mailto:rmayer@idph.state.ia.us) or call me at 515-242-5150.

<sup>1</sup> CDC. Late versus early testing of HIV --- 16 sites, United States, 2000—2003. MMWR 2003;52(25);581-586. (see <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5225a2.htm>)

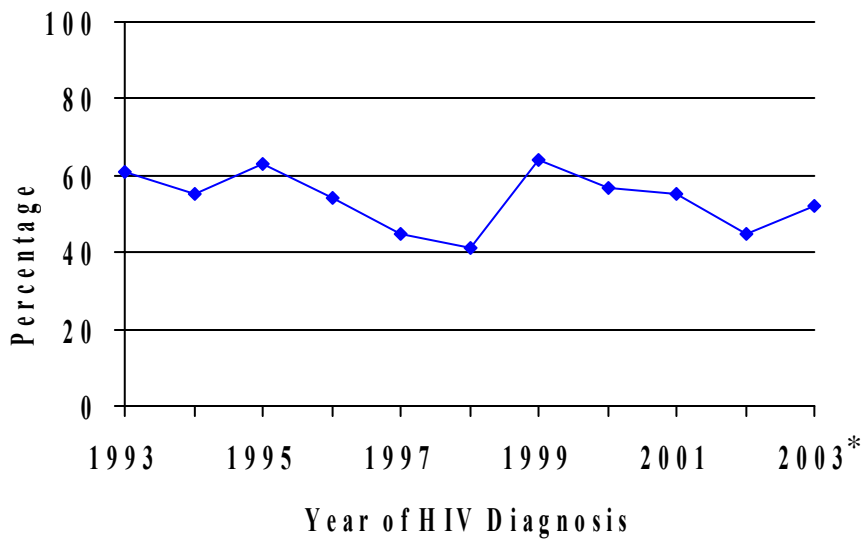
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**Promoting and protecting the health of Iowans**

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**Percentage of HIV Cases with Late Diagnoses  
(AIDS diagnosis made  $\leq$  12 months from time of HIV diagnosis)**



\* Conversion to AIDS occurred on or before December 31, 2004



# Iowa Department of Public Health

## State of Iowa HIV and AIDS Surveillance Report

March 31, 2005

### HIV and AIDS by Gender, Age at Diagnosis, Race/Ethnicity, and Origin

	HIV Diagnoses <sup>1</sup>		AIDS Diagnoses <sup>2</sup>		Living HIV and AIDS Cases <sup>3</sup>
	Jan - Mar 2005	2004	Jan - Mar 2005	2004	
	# (%)	# (%)	# (%)	# (%)	# (%)
<b>Gender</b>					
Male	26 (79)	77 (74)	15 (65)	51 (73)	1003 (79)
Female	7 (21)	27 (26)	8 (35)	19 (27)	267 (21)
<b>Age at Diagnosis<sup>4</sup></b>					
Under 5	0 --	0 --	0 --	0 --	7 (1)
5-12	0 --	0 --	0 --	0 --	5 --
13-19	2 --	4 --	0 --	1 --	22 (2)
20-29	8 (24)	25 (24)	3 (13)	12 (17)	302 (24)
30-39	9 (27)	29 (28)	11 (48)	21 (30)	519 (41)
40-49	9 (27)	29 (28)	5 (22)	24 (34)	304 (24)
Over 49	5 (15)	17 (16)	4 (17)	12 (17)	111 (9)
<b>Race and Ethnicity</b>					
White, Not Hispanic	20 (61)	70 (67)	15 (65)	48 (69)	902 (71)
Black, Not Hispanic	9 (27)	22 (21)	6 (26)	14 (20)	241 (19)
Hispanic, all races	4 (12)	11 (11)	2 --	8 (11)	106 (8)
Asian/ Pacific Islander	0 --	1 --	0 --	0 --	13 (1)
American Indian/Alaska Native	0 --	0 --	0 --	0 --	5 --
Multiple races	0 --	0 --	0 --	0 --	3 --
<b>Country of Origin</b>					
United States or dependency	25 (76)	87 (84)	19 (83)	60 (86)	1,110 (87)
Other	8 (24)	17 (16)	4 (17)	10 (14)	160 (13)
<b>Total</b>	<b>33</b>	<b>104</b>	<b>23</b>	<b>70</b>	<b>1,270</b>

<sup>1</sup> HIV Diagnoses reflect all cases of HIV infection diagnosed for the first time, regardless of AIDS status. Some may also be counted as AIDS cases, if they received an AIDS diagnosis during the same period of time.

<sup>2</sup> AIDS Diagnoses reflect all residents of Iowa who first met the criteria for AIDS in that time period, regardless of when the case was reported to the state.

<sup>3</sup> Reflects persons diagnosed with HIV or AIDS as a resident of Iowa and who were living on March 31, 2005. All deaths may not have been reported.

<sup>4</sup> Patients reported as adolescents or adults may have had pediatric exposures. These persons will be categorized as adult/adolescent at time of diagnosis, but are listed under pediatric exposures on page 2.

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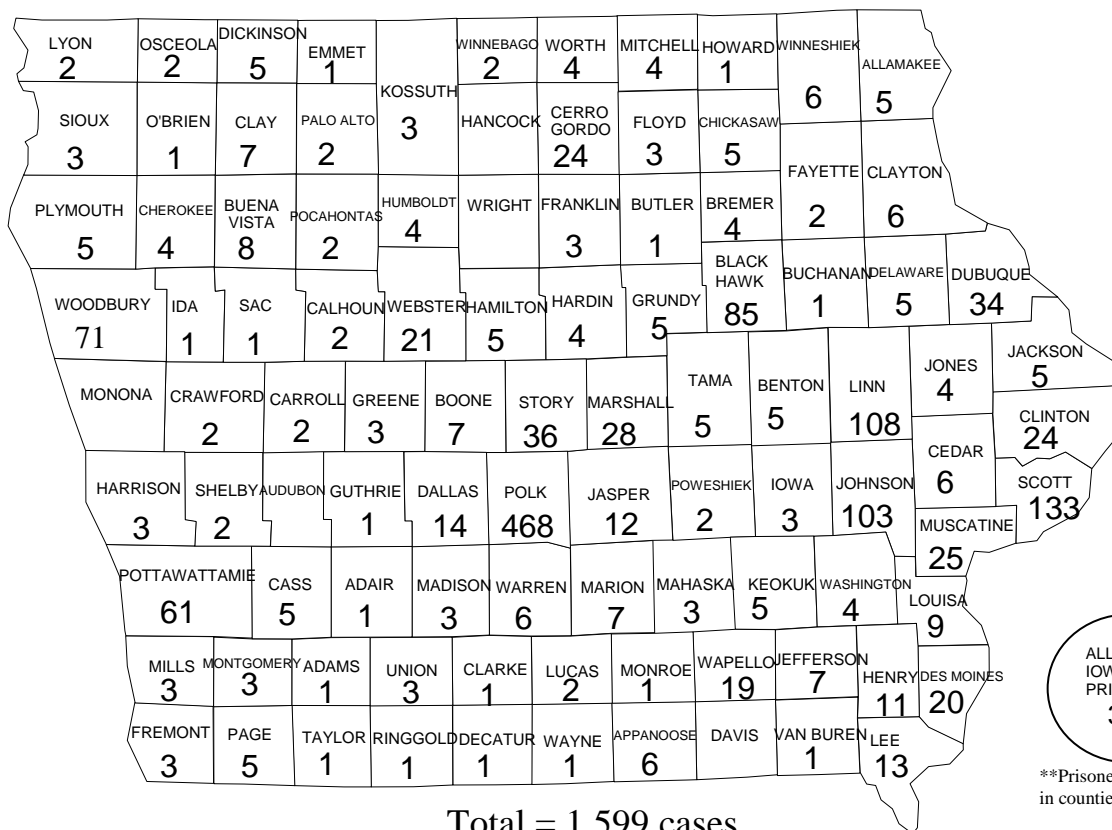
See [http://www.idph.state.ia.us/adper/hiv\\_aids\\_programs.asp#surveillance](http://www.idph.state.ia.us/adper/hiv_aids_programs.asp#surveillance) for a full epidemiological profile

**HIV and AIDS by Exposure Category**  
**Adult/Adolescent Cases and Pediatric (<13 yrs) Exposures<sup>4</sup>**

	HIV Diagnoses <sup>1</sup>		AIDS Diagnoses <sup>2</sup>		Living HIV and AIDS Cases <sup>3</sup>	
	2005 # (%)	2004 # (%)	2005 # (%)	2004 # (%)	# (%)	# (%)
<b>Adult/Adolescent Exposure – All Cases</b>						
Men who have sex with men	9 (27)	44 (42)	8 (35)	28 (40)	624 (50)	
Injecting drug use	2 --	10 (10)	1 --	12 (17)	142 (11)	
Men who have sex with men and inject drugs	2 --	5 (5)	1 --	6 (9)	86 (7)	
Hemophilia/coagulation disorder	0 --	0 --	0 --	0 --	13 (1)	
Heterosexual contact	9 (27)	25 (24)	5 (22)	12 (17)	211 (17)	
Receipt of blood or tissue	0 --	0 --	0 --	0 --	21 (2)	
Risk not reported/other	11 (33)	20 (19)	8 (35)	12 (17)	157 (13)	
<b>Total Adult/Adolescent Cases</b>	<b>33</b>	<b>104</b>	<b>23</b>	<b>70</b>	<b>1,254</b>	
<b>Pediatric Exposure – All Cases</b>						
Pediatric hemophilia/coag. dis.	0 --	0 --	0 --	0 --	5 (31)	
Mother with/at risk for HIV inf.	0 --	0 --	0 --	0 --	10 (63)	
Receipt of blood or tissue	0 --	0 --	0 --	0 --	1 --	
Risk not reported	0 --	0 --	0 --	0 --	0 --	
<b>Total Pediatric Exposure Cases</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	
<b>Adult/Adolescent Exposure – Males</b>						
Men who have sex with men	9 (35)	44 (57)	8 (53)	28 (55)	624 (63)	
Injecting drug use	2 --	8 (10)	1 --	7 (14)	90 (9)	
Men who have sex with men and inject drugs	2 --	5 (6)	1 --	6 (12)	86 (9)	
Hemophilia/coagulation disorder	0 --	0 --	0 --	0 --	13 (1)	
Heterosexual contact	4 (15)	8 (10)	0 --	4 (8)	71 (7)	
Receipt of blood or tissue	0 --	0 --	0 --	0 --	12 (1)	
Risk not reported/other	9 (35)	12 (16)	5 (33)	6 (12)	96 (10)	
<b>Total Adult/Adolescent Males</b>	<b>26</b>	<b>77</b>	<b>15</b>	<b>51</b>	<b>992</b>	
<b>Pediatric Exposure - Males</b>						
Pediatric hemophilia/coag. dis.	0 --	0 --	0 --	0 --	5 (45)	
Mother with/at risk for HIV inf.	0 --	0 --	0 --	0 --	5 (45)	
Receipt of blood or tissue	0 --	0 --	0 --	0 --	1 --	
Risk not reported	0 --	0 --	0 --	0 --	0 --	
<b>Total Pediatric Exposure Males</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	
<b>Adult/Adolescent Exposure – Females</b>						
Injecting drug use	0 --	2 --	0 --	5 (26)	52 (20)	
Hemophilia/coagulation disorder	0 --	0 --	0 --	0 --	0 --	
Heterosexual contact	5 (71)	17 (63)	5 (63)	8 (42)	140 (53)	
Receipt of blood or tissue	0 --	0 --	0 --	0 --	9 (3)	
Risk not reported/other	2 --	8 (30)	3 (38)	6 (32)	61 (23)	
<b>Total Adult/Adolescent Females</b>	<b>7</b>	<b>27</b>	<b>8</b>	<b>19</b>	<b>262</b>	
<b>Pediatric Exposure - Females</b>						
Pediatric hemophilia/coag. dis.	0 --	0 --	0 --	0 --	0 --	
Mother with/at risk for HIV inf.	0 --	0 --	0 --	0 --	5 (100)	
Receipt of blood or tissue	0 --	0 --	0 --	0 --	0 --	
Risk not reported	0 --	0 --	0 --	0 --	0 --	
<b>Total Pediatric Exposure Females</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	



## Cumulative AIDS Cases February 1983 – March 31, 2005 by County of Residence at Time of Diagnosis



Year	HIV		AIDS	
	Diagnoses <sup>1</sup>	Deaths	Diagnoses	Deaths
1982	--		1	1
1983	--		1	1
1984	--		7	3
1985	--		24	8
1986	--		23	16
1987	--		46	23
1988	--		49	22
1989	--		68	36
1990	--		75	38
1991	--		118	78
1992	--		156	69
1993	--	1	105	78
1994	--	0	110	85
1995	--	1	104	102
1996	--	1	97	66
1997	--	0	76	28
1998	--	1	60	16
1999	88	2	78	20
2000	95	2	78	28
2001	100	2	79	29
2002	110	2	75	30
2003	91	4	76	26
2004	104	0	70	22
2005*	33	2	23	6
<b>Total</b>	--	<b>18</b>	<b>1,599</b>	<b>831</b>

- Movement between counties or other states, and deaths of persons with AIDS are not reflected in the map.
- **Prisoners were diagnosed in the following counties: Johnson (26), Lee (4), Jasper (3), Henry (1), Page (1), Polk (1), and Webster (1).**
- Deaths are not necessarily HIV related. HIV-infected persons who died before receiving a diagnosis of AIDS are indicated under **"HIV Deaths."**
- Map and table do not show 805 persons with AIDS who were diagnosed while the individual was residing in another state but who later moved to Iowa (489 persons) or who have received care in Iowa (316 persons) while residing elsewhere.

\* Through March 31, 2005

<sup>1</sup> HIV Diagnoses reflect all cases of HIV infection diagnosed for the first time, regardless of AIDS status. Some may also be counted as AIDS cases, if they received an AIDS diagnosis during the same calendar year. HIV reporting by name began July 1, 1998.