Thomas J. Vilsack Governor

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Surveillance Program 515-242-5150

Date: May 4, 2005

To: HIV/AIDS Surveillance Group

From: Randy Mayer, HIV/AIDS Surveillance Coordinator

Re: 2005 Quarter 1 HIV/AIDS Surveillance Report

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 1st 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. 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.

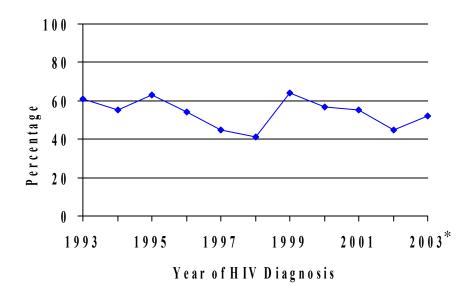
We are currently working on assessing the characteristics of persons diagnosed with HIV/AIDS but who were not in care in 2003. A report should be issued in the next quarter.

If you have any comments, please drop me an email at mmayer@idph.state.ia.us or call me at 515-242-5150.

¹ 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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$\begin{array}{c} Percentage \ of \ HIV \ Cases \ with \ Late \ Diagnoses \\ \textbf{(AIDS \ diagnosis \ made} \leq 12 \ months \ from \ time \ of \ HIV \ diagnosis)} \end{array}$



^{*} 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 ¹				AIDS Diagnoses ²			Livina	IIIV and	
	Jan - Mar 2005		2	004	004 Jan 2		2004		Living HIV and AIDS Cases ³	
	#	(%)	#	(%)	#	(%)	#	(%)	#	(%)
Gender										
Male	26	(79)	77	(74)	15	(65)	51	(73)	1003	(79)
Female	7	(21)	27	(26)	8	(35)	19	(27)	267	(21)
Age at Diagnosis ⁴										
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)
Race and Ethnicity										
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	
Country of Origin										
United States or dependency	25	(76)	87	(84)	19	(83)	60	(86)	1,110	(87)
Other	8	(24)	17	(16)	4	, ,	10		160	(13)
Total	33		104		23		70		1,270	

¹ 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.

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See http://www.idph.state.ia.us/adper/hiv_aids_programs.asp#surveillance for a full epidemiological profile

² 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.

³ 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.

⁴ 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.

HIV and AIDS by Exposure Category Adult/Adolescent Cases and Pediatric (<13 yrs) Exposures⁴

	HIV Diagnoses ¹			AIDS Diagnoses ²				Living HIV and		
	2005			2004		2005		2004		Cases ³
	# (%)	#	(%)	#	(%)	#	(%)	#	(%)
t/Adolescent Exposure – A	All Cas	ses								
en who have sex with men		(27)	44	(42)	8	(35)	28	(40)	624	(50)
ecting drug use	2		10	(10)	1		12	(17)	142	(11)
en who have sex with men	_				_					, ,
l inject drugs	2		5	(5)	1		6	(9)	86	(7)
mophilia/coagulation disorder	0		0		0		0		13	(1)
terosexual contact	9	(27)	25	(24)	5	(22)	12	(17)	211	(17)
ceipt of blood or tissue	0		0		0		0		21	(2)
sk not reported/other	11	(33)	20	(19)	8	(35)	12	(17)	157	(13)
Adult/Adolescent Cases	33		104		23		70		1,254	
atric Exposure – All Cases										
diatric hemophilia/coag. dis.	0		0		0		0		5	(31)
other with/at risk for HIV inf.	0		0		0		0		10	(63)
ceipt of blood or tissue	0		0		0		0		1	
k not reported	0		0		0		0		0	
Pediatric Exposure Cases	0		0		0		0		16	
t/Adolescent Exposure - N		(2.5)				(55)				(
en who have sex with men	9	(35)	44	(57)	8	(53)	28	(55)	624	(63)
ecting drug use	2		8	(10)	1		7	(14)	90	(9)
n who have sex with men I inject drugs	2		5	(6)	1		6	(12)	86	(9)
mophilia/coagulation disorder	0		0		0		0		13	(1)
terosexual contact	4	(15)	8	(10)	0		4	(8)	71	(7)
ceipt of blood or tissue	0		0		0		0		12	(1)
sk not reported/other	9	(35)	12	(16)	5	(33)	6	(12)	96	(10)
Adult/Adolescent Males	26	(00)	77	(10)	15	(22)	51	(12)	992	(10)
atric Exposure - Males										
diatric hemophilia/coag. dis.	0		0		0		0		5	(45)
other with/at risk for HIV inf.	0		0		0		0		5	(45)
ceipt of blood or tissue	0		0		0		0		1	(+3)
sk not reported	0		0		0		0		0	
Pediatric Exposure Males	0		0		0		0		11	
1 eulatric Exposure Maies	U		U		U		U		11	
t/Adolescent Exposure – F	'emale	es								
ecting drug use	0		2		0		5	(26)	52	(20)
mophilia/coagulation disorder	0		0		0		0		0	
terosexual contact	5	(71)	17	(63)	5	(63)	8	(42)	140	(53)
ceipt of blood or tissue	0		0		0		0		9	(3)
sk not reported/other	2		8	(30)	3	(38)	6	(32)	61	(23)
Adult/Adolescent Females	7		27		8		19		262	
atric Exposure - Females										
diatric hemophilia/coag. dis.	0		0		0		0		0	
other with/at risk for HIV inf.	0		0		0		0		5	(100)
ceipt of blood or tissue	0		0		0		0		0	(100)
sk not reported	0		0		0		0		0	
						·				
Pediatric Exposure Females	0		0		0		0			5

Persons Living with HIV or AIDS on March 31, 2005 by County of Residence at Diagnosis of AIDS or HIV (for non-AIDS cases)

5	LYON *	OSCEOLA *	DICKINSO	N EMMET *		WINNEBAGO	WORTH	MITCHELL	HOWARD		ALLAMAKEE	
j	sioux 3	O'BRIEN	CLAY 4	PALO ALTO	KOSSUTH	HANCOCK *	CERRO GORDO 12	FLOYD *	chickasaw		3 E CLAYTON	
	PLYMOUTH *	CHEROKEE	BUENA VISTA	OCAHONTA *	^s НИМВОІ.DT	WRIGHT *	FRANKLIN *	BUTLER	BREMER *		3	
\	wоорвия 56	RY IDA *	SAC *	CALHOU *	WEBSTE	RHAMILTO 4	HARDIN *	GRUNDY	HAWK	BUCHANA *	ANDELAWARE DUBUQUE * 20 JACKSON	
	MONOI *	NA CRAW		RROLL GR		ONL	I	RSHALL 19	* BE	-	LINN JONES 4 5 CLINTON 23	
	(_		JBON GUTH	RIE DALL	-	JAS	PER	VESHIEK	0	OHNSON 3 SCOTT 95 MUSCATINE 132	
	Po	OTTAWATT	CA:		AIR MADI	SON WAR		10N MAHA 7 4		OKUK WASH	HINGTON ALL NINE IOWA	
		MILLS M	ONTGOMER	YADAMS	UNION *	CLARKE *	LUCAS	MONROE *	WAPELLO,	jefferso 5		
	(FREMONT *	PAGE 5	TAYLOR *	RINGGOLD *	DECATUR *	WAYNE .	APPANOOSE	DAVIS *	VAN BURE *		1

Total = 1,270 (770 AIDS cases and 500 HIV cases)

Note: Does not include 397 persons (259 AIDS and 138 HIV cases) who were diagnosed in other states but who subsequently moved to Iowa or another 281 persons (184 AIDS and 97 HIV cases) who live elsewhere but have received care in Iowa.

This map shows the number of persons living with HIV or AIDS on March 31, 2005. It indicates where persons resided at the <u>time of diagnosis</u> of AIDS, for AIDS cases, or of diagnosis of HIV infection, for HIV cases. Persons may not be currently living in these counties. All deaths may not have been reported. **Prisoners were diagnosed while being held in the following counties: Johnson (52), Jasper (3), Polk (2), Page (1), and Webster (1), but are not reflected in the data from those counties.**

^{*} Indicates fewer than 3 persons, including those counties with no cases. These persons are included in the total of 1,270 but are not shown on the map.

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

$\langle 2 2 5 1 2 4 4 1 $ ALLAMAKEE	
SIOUX O'BRIEN CLAY PALO ALTO 3 HANCOCK CERRO GORDO 5 CHICKASAW 6 5	
PLYMOUTH CHEROKEE BUENA VISTA FOCAHONTAS 4 WRIGHT FRANKLIN BUTLER 4 2 6 5 4 8 2	
woodbury ida sac calhounwebsterhamilton hardin grundy 85 1 5 34 71 1 1 2 21 5 4 5	
MONONA CRAWFORD CARROLL GREENE BOONE STORY MARSHAL TAMA BENTON LINN 2 2 3 7 36 28 5 5 108 CLINTON 24	
HARRISON SHELBY AUDUBON GUTHRIE DALLAS POLK JASPER POWESHIEK IOWA JOHNSON 6 SCOTT MUSCATINE 133	
POTTAWATTAMIE CASS ADAIR MADISON WARREN MARION MAHASKA KEOKUK WASHINGTON 4 LOUISA 9	
MILLS MONTGOMERY ADAMS UNION CLARKE LUCAS MONROE WAPELLO JEFFERSON HENRY DES MOINES 20 ALL NINE IOWA PRISONS 37"	
FREMONT PAGE TAYLOR RINGGOLD DECATUR WAYNE APPANOOSE DAVIS VAN BUREN LEE 13 **Prisoners are in counties' tota Total = 1,599 cases	

	HIV	7	AIDS				
Year	Diagnoses ¹	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			
Total		18	1,599	831			

- 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. HIVinfected 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

¹ 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.