



Iowa Department of Public Health

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Date: February 18, 2005
To: HIV/AIDS Surveillance Group
From: Randy Mayer, HIV/AIDS Surveillance Coordinator
Re: 2004 Final HIV/AIDS Surveillance Report

After taking a dip in 2003, HIV diagnoses were back up in 2004. There were 103 persons diagnosed in 2004, very close to our ten-year average of 100 cases per year. In 2003, there were 91 diagnoses. The increase in 2004 was limited to one demographic group: white, U.S.-born males. Most of these were men who have sex with men, but there were also small increases among injection-drug-using men and those without a known risk. Their median age was 41, slightly older than the overall median age of 38 years. Eighty percent were residents of the 10 most populous counties in Iowa, particularly the counties of Polk, Pottawattamie, Johnson, Linn, Scott, Story, and Woodbury.

HIV diagnoses among foreign-born persons were down for the second straight year, and they accounted for only 16% of all diagnoses. In 2003, nearly a third of all diagnoses were among foreign-born persons.

AIDS diagnoses and deaths were also down from last year. There were 69 AIDS diagnoses in 2004, compared to 76 in 2003. Twenty-one persons with HIV/AIDS were reported to have died in 2004, compared to 30 in 2003.

On December 31, 2004, there were 1,240 living persons who were diagnosed with HIV or AIDS as a resident of Iowa. Another 354 Iowans are estimated to be living with HIV or AIDS, but have not yet been diagnosed and/or reported to the surveillance program. This gives us an estimate of nearly 1,600 Iowans living with HIV/AIDS. The number of persons living with HIV/AIDS increases by about 100 persons a year; this increase has been steady for the past 5 years.

I have attached some figures of the trends in diagnoses. Please keep in mind that numbers for 2004 are preliminary. They are likely to be underestimates. In general, we might expect a few more diagnoses for 2004 to be reported yet. Also keep in mind that with a low-incidence state like Iowa, numbers can fluctuate quite a bit from year to year. One data point doesn't necessarily predict a new trend.

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

Promoting and protecting the health of Iowans

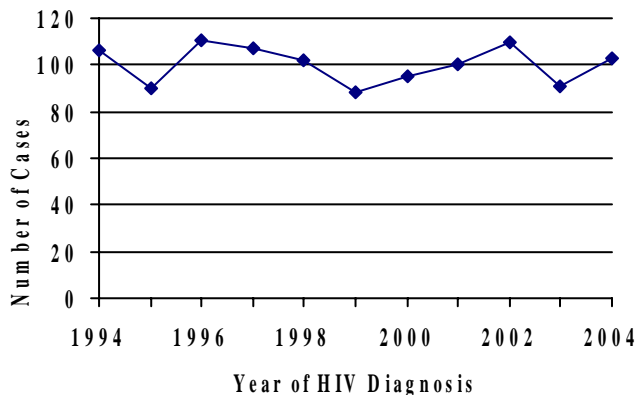
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Trends in Diagnoses of HIV Infection Among Iowans

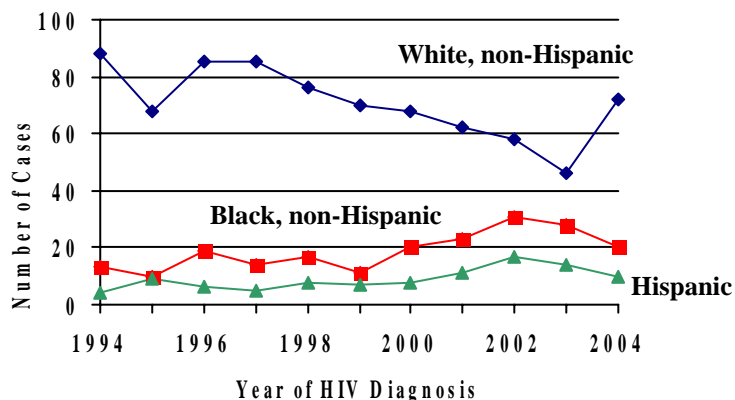
Overall

- Approximately 100 persons are diagnosed each year
- Diagnoses have been fairly steady for the past 10 years



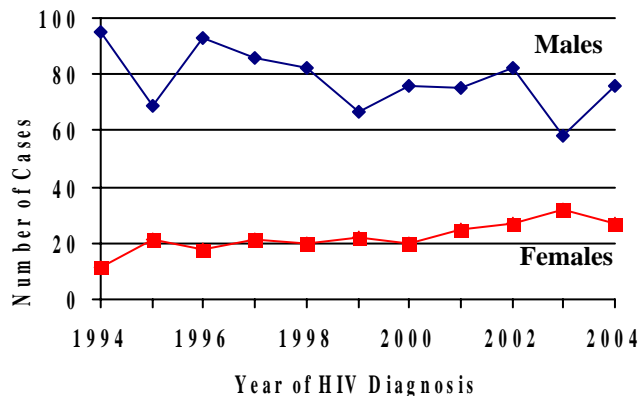
Race

- Diagnoses increased 56% in 2004 among White, non-Hispanic Iowans

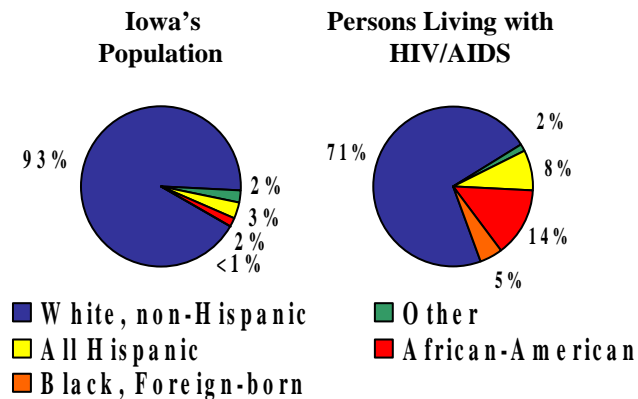


Gender

- 65 – 75% of diagnoses are among males
- The number of females diagnosed increased after 2000

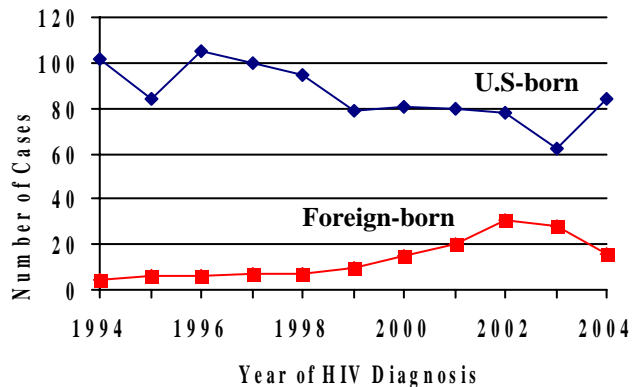


- African-Americans, Hispanics, and Africans are over-represented among persons living with HIV/AIDS when compared to the size of their populations in Iowa



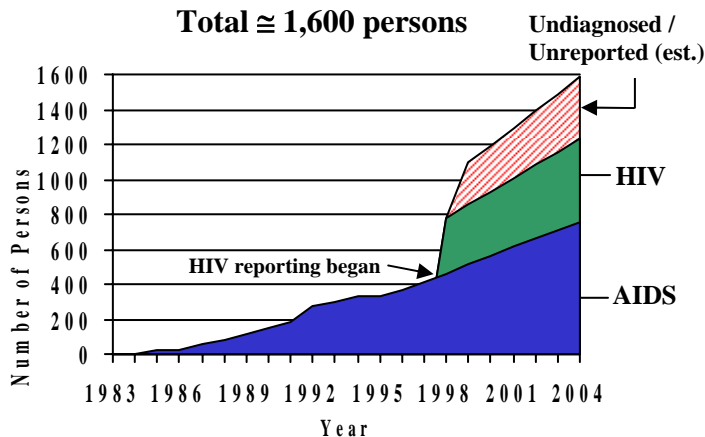
Country of Origin

- Diagnoses among U.S.-born persons increased in 2004, after 8 years of steady or declining numbers.



Iowans Living with HIV/AIDS December 31, 2004

Total ≈ 1,600 persons





Iowa Department of Public Health

State of Iowa HIV and AIDS Surveillance Report

December 31, 2004

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

	HIV Diagnoses ¹		AIDS Diagnoses ²		Living HIV and AIDS Cases ³
	2004 # (%)	2003 # (%)	2004 # (%)	2003 # (%)	
Gender					
Male	76 (74)	58 (64)	50 (72)	49 (64)	980 (79)
Female	27 (26)	33 (36)	19 (28)	27 (36)	260 (21)
Age at Diagnosis⁴					
Under 5	0 --	1 --	0 --	1 --	7 (1)
5-12	0 --	1 --	0 --	1 --	5 --
13-19	3 --	2 --	1 --	0 --	19 (2)
20-29	25 (24)	18 (20)	12 (17)	10 (13)	296 (24)
30-39	29 (28)	37 (41)	21 (30)	30 (39)	509 (41)
40-49	28 (27)	24 (26)	24 (35)	26 (34)	296 (24)
Over 49	18 (17)	8 (9)	11 (16)	8 (11)	108 (9)
Race and Ethnicity					
White, Not Hispanic	72 (70)	46 (51)	47 (68)	42 (55)	888 (72)
Black, Not Hispanic	20 (19)	28 (31)	14 (20)	21 (28)	230 (19)
Hispanic, all races	10 (10)	14 (15)	8 (12)	11 (14)	101 (8)
Asian/ Pacific Islander	1 --	1 --	0 --	1 --	13 (1)
American Indian/Alaska Native	0 --	0 --	0 --	0 --	5 --
Multiple races	0 --	2 --	0 --	1 --	3 --
Country of Origin					
United States or dependency	87 (84)	63 (69)	59 (86)	57 (75)	1,089 (88)
Other	16 (16)	28 (31)	10 (14)	19 (25)	151 (12)
Total	103	91	69	76	1,240

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.

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 December 31, 2004. 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.

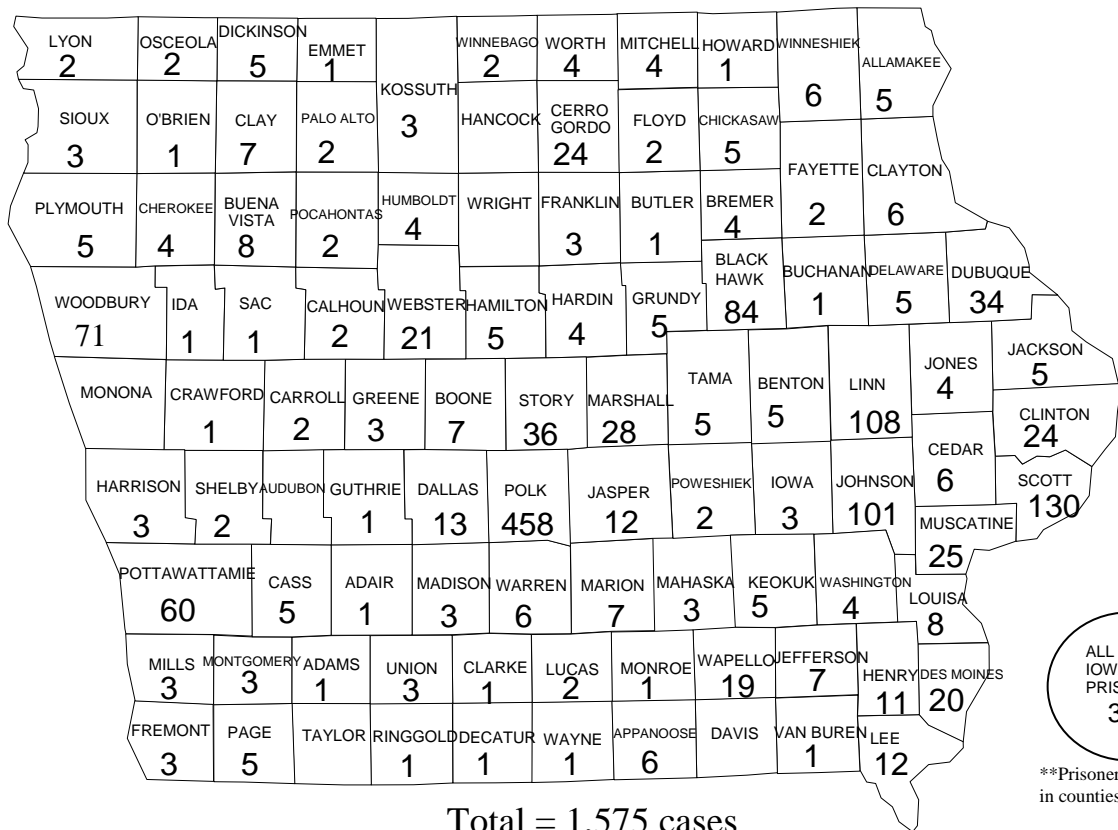
Iowa Department of Public Health
 Bureau of Disease Prevention and Immunization
 321 East 12th Street
 Des Moines, IA 50319-0075
 515-242-5150

See 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) Exposures⁴

	HIV Diagnoses ¹		AIDS Diagnoses ²		Living HIV and AIDS Cases ³	
	2004	2003	2004	2003		
	# (%)	# (%)	# (%)	# (%)	# (%)	# (%)
Adult/Adolescent Exposure – All Cases						
Men who have sex with men	42 (41)	33 (37)	27 (39)	28 (38)	613 (50)	
Injecting drug use	9 (9)	3 (3)	12 (17)	8 (11)	140 (11)	
Men who have sex with men and inject drugs	4 (4)	6 (7)	6 (9)	4 (5)	84 (7)	
Hemophilia/coagulation disorder	0 --	0 --	0 --	0 --	13 (1)	
Heterosexual contact	21 (20)	13 (15)	11 (16)	11 (15)	199 (16)	
Receipt of blood or tissue	0 --	3 (3)	0 --	3 (4)	21 (2)	
Risk not reported/other	27 (26)	31 (35)	13 (19)	20 (27)	154 (13)	
Total Adult/Adolescent Cases	103	89	69	74	1,224	
Pediatric Exposure – All Cases						
Pediatric hemophilia/coag. dis.	0 --	0 --	0 --	0 --	5 (31)	
Mother with/at risk for HIV inf.	0 --	2 (100)	0 --	2 (100)	10 (63)	
Receipt of blood or tissue	0 --	0 --	0 --	0 --	1 --	
Risk not reported	0 --	0 --	0 --	0 --	0 --	
Total Pediatric Exposure Cases	0	2	0	2	16	
Adult/Adolescent Exposure – Males						
Men who have sex with men	42 (55)	33 (57)	27 (54)	28 (57)	613 (63)	
Injecting drug use	7 (9)	0 --	7 (14)	4 (8)	89 (9)	
Men who have sex with men and inject drugs	4 (5)	6 (10)	6 (12)	4 (8)	84 (9)	
Hemophilia/coagulation disorder	0 --	0 --	0 --	0 --	13 (1)	
Heterosexual contact	7 (9)	3 (5)	3 (6)	2 --	66 (7)	
Receipt of blood or tissue	0 --	1 --	0 --	1 --	12 (1)	
Risk not reported/other	16 (21)	15 (26)	7 (14)	10 (20)	92 (9)	
Total Adult/Adolescent Males	76	58	50	49	969	
Pediatric Exposure - Males						
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 --	
Total Pediatric Exposure Males	0	0	0	0	11	
Adult/Adolescent Exposure – Females						
Injecting drug use	2 --	3 (10)	5 (26)	4 (16)	51 (20)	
Hemophilia/coagulation disorder	0 --	0 --	0 --	0 --	0 --	
Heterosexual contact	14 (52)	10 (32)	8 (42)	9 (36)	133 (52)	
Receipt of blood or tissue	0 --	2 --	0 --	2 --	9 (4)	
Risk not reported/other	11 (41)	16 (52)	6 (32)	10 (40)	62 (24)	
Total Adult/Adolescent Females	27	31	19	25	255	
Pediatric Exposure – Females						
Pediatric hemophilia/coag. dis.	0 --	0 --	0 --	0 --	0 --	
Mother with/at risk for HIV inf.	0 --	2 (100)	0 --	2 (100)	5 (100)	
Receipt of blood or tissue	0 --	0 --	0 --	0 --	0 --	
Risk not reported	0 --	0 --	0 --	0 --	0 --	
Total Pediatric Exposure Females	0	2	0	2	5	

Cumulative AIDS Cases
February 1983 – December 31, 2004
by County of Residence at Time of Diagnosis



ALL NINE
IOWA
PRISONS**
36

**Prisoners are not included in counties' totals.

Year	HIV		AIDS	
	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	--		157	69
1993	--	1	104	78
1994	--		110	85
1995	--	1	104	102
1996	--	1	97	66
1997	--		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*	103		69	21
Total		16	1575	824

- 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 (25), 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 792 persons with AIDS who were diagnosed while the individual was residing in another state but who later moved to Iowa (478 persons) or who have received care in Iowa (314 persons) while residing elsewhere.

* Through December 31, 2004

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.