

Table 1. Number of New Cases and Rates (per 100,000 persons) of HIV Infection, HIV (non-AIDS), and AIDS <sup>I</sup> Minnesota, 1982-2004 <sup>V</sup>						
Year	HIV Infection <sup>III</sup>		HIV (non-AIDS) <sup>III</sup>		AIDS <sup>IV</sup>	
	Cases	Rate	Cases	Rate	Cases	Rate
<b>1982-1992</b>	3898	--	2875	--	1705	--
<b>1993</b>	349	7.7	224	4.9	351	7.7
<b>1994</b>	323	7.0	226	4.9	331	7.2
<b>1995</b>	341	7.3	221	4.8	339	7.3
<b>1996</b>	293	6.2	192	4.1	258	5.5
<b>1997</b>	281	5.9	199	4.2	194	4.1
<b>1998</b>	296	6.2	197	4.1	193	4.0
<b>1999</b>	304	6.2	203	4.2	161	3.3
<b>2000</b>	274	5.6	177	3.6	156	3.2
<b>2001</b>	288	5.9	202	4.1	123	2.5
<b>2002</b>	317	6.4	218	4.4	161	3.3
<b>2003</b>	276	5.6	182	3.7	166	3.4
<b>2004</b>	307	6.2	192	3.9	196	4.0
<b>Cumulative Total<sup>II</sup></b>	<i>7547</i>	<i>153.4</i>	<i>5308</i>	<i>107.9</i>	<i>4334</i>	<i>88.1</i>

<sup>I</sup> HIV Infection = New cases of HIV infection (both HIV (non-AIDS) and AIDS at first diagnosis) diagnosed within a given calendar year. HIV (non-AIDS) = New cases of HIV infection (excluding AIDS at first diagnosis) diagnosed within a given calendar year. AIDS = All new cases of AIDS diagnosed within a given calendar year.

<sup>II</sup> The cumulative rate is calculated by dividing the cumulative number of cases by the estimated state population and multiplying by 100,000. Rates for individual calendar years were calculated using 2000 U.S. Census population data (2000-2004) and 1993-1999 population estimates were calculated using interpolation between U.S. Census 1990 data and U.S. Census 2000 data.

<sup>III</sup> Numbers and rates exclude federal and private prisoners and refugees in the HIV-Positive Refugee Resettlement Program.

<sup>IV</sup> Numbers and rates include refugees in the HIV-Positive Refugee Resettlement Program diagnosed with AIDS one or more years subsequent to their arrival in the U.S.

<sup>V</sup> In 2004, MDH participated in the Interstate De-Duplication Project administered by CDC and aimed at eliminating duplicate reporting of HIV and AIDS cases. For further detail on the impact of this project on Minnesota numbers please see the HIV Surveillance Technical Notes.

**Please Note:** The sum of HIV (non-AIDS) cases and AIDS cases will be greater than the number of cases of HIV Infection in a given year. The difference occurs because, unlike the HIV Infection category, the AIDS category includes both cases that are AIDS at first diagnosis as well as those cases that progress from HIV (non-AIDS) to AIDS during the year (see above definitions).

Table 2. Number of Cases and Rates (per 100,000 persons) of HIV Infection by Residence, Age, and Gender <sup>I</sup> -- Minnesota, 2004							
Group	Males		Females		Total		HIV Infection Rate
	Cases	%	Cases	%	Cases	%	
<b>Residence<sup>II</sup></b>							
Minneapolis	89	42%	32	36%	121	40%	31.6
St. Paul	28	13%	14	16%	42	14%	14.6
Suburban	72	34%	33	37%	105	35%	5.3
Greater Minnesota	24	11%	11	12%	35	12%	1.5
<i>Total</i>	213	100%	90	100%	303	100%	6.2
<b>Age</b>							
<13 yrs	0	0%	2	2%	2	1%	0.2
13-19 yrs	2	1%	4	4%	6	2%	1.1
20-24 yrs	23	11%	19	21%	42	14%	13.0
25-29 yrs	34	16%	14	16%	48	16%	15.0
30-34 yrs	40	18%	16	18%	56	18%	15.9
35-39 yrs	45	21%	17	19%	62	20%	15.0
40-44 yrs	40	18%	9	10%	49	16%	11.9
45-49 yrs	15	7%	5	6%	20	7%	5.5
50-54 yrs	8	4%	2	2%	10	3%	3.3
55-59 yrs	7	3%	1	1%	8	3%	3.5
60+ yrs	3	1%	1	1%	4	1%	0.5
<i>Total</i>	217	100%	90	100%	307	100%	6.2
<b>State Totals</b>	217		90		307		6.2

<sup>I</sup> HIV Infection includes all new cases of HIV infection (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2004.

<sup>II</sup> Residence information missing for 4 cases of HIV infection in 2004.

Suburban = Seven-county metropolitan area except Minneapolis & St. Paul (Anoka, Carver, Dakota, Hennepin (except Minneapolis), Ramsey (except St. Paul), Scott, and Washington counties). Greater Minnesota = Remaining 80 counties outside of the seven-county metropolitan area.

Numbers and rates exclude federal and private prisoners and refugees in the HIV-Positive Refugee Resettlement Program. State prisoners are included (two new diagnoses in 2004).

Rates calculated using U.S. Census 2000 data. Percentages may not add to 100 due to rounding

**Table 3. Number of Cases and Rates (per 100,000 persons) of  
HIV Infection by Race/Ethnicity & Mode of Exposure<sup>I</sup> -- Minnesota, 2004**

Group	Males			Females			Total		
	Cases	%	Rate <sup>IV</sup>	Cases	%	Rate <sup>IV</sup>	Cases	%	Rate <sup>III</sup>
<b>Race/Ethnicity</b>									
White, non-Hispanic	124	57%	#	21	23%	#	145	47%	3.4
Black <sup>II</sup> , African-American	40	18%	#	18	20%	#	58	19%	34.6
Black <sup>II</sup> , African-born	24	11%	#	35	39%	#	59	19%	118-168
Hispanic	24	11%	#	10	11%	#	34	11%	23.7
American Indian	4	2%	#	3	3%	#	7	2%	8.6
Asian/PI	0	0%	#	2	2%	#	2	1%	1.2
Other <sup>II</sup>	1	0%	#	1	1%	#	2	1%	X
<i>Total</i>	<i>217</i>	<i>100%</i>	<i>8.9</i>	<i>90</i>	<i>100%</i>	<i>3.6</i>	<i>307</i>	<i>100%</i>	<i>6.2</i>
<b>Mode of Exposure</b>									
MSM	121	56%	X	--	--	X	121	39%	X
IDU	8	4%	X	5	6%	X	13	4%	X
MSM/IDU	13	6%	X	--	--	X	13	4%	X
Heterosexual (Total)	(9)	4%	X	(25)	28%	X	(34)	11%	X
with IDU	3	--	X	1	--	X	4	--	X
with Bisexual Male	--	--	X	3	--	X	3	--	X
with Hemophiliac/other	0	--	X	0	--	X	0	--	X
with HIV+, unknown risk	6	--	X	21	--	X	27	--	X
Perinatal	0	0%	X	1	1%	X	1	0%	X
Other	0	0%	X	1	1%	X	1	0%	X
Unspecified	31	14%	X	27	30%	X	58	19%	X
No Interview	35	16%	X	31	34%	X	66	21%	X
<i>Total</i>	<i>217</i>	<i>100%</i>	<i>8.9</i>	<i>90</i>	<i>100%</i>	<i>3.6</i>	<i>307</i>	<i>100%</i>	<i>6.2</i>

<sup>I</sup> HIV infection includes all new cases of HIV infection (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2004.

<sup>II</sup> African-born Blacks are reported separately from other Blacks (born in the U.S. or elsewhere). Other includes multi-racial persons and persons with unknown race.

<sup>III</sup> Rates calculated using U.S. Census 2000 data. Accurate population estimates for Black, African-born persons living in Minnesota are unavailable – anecdotal (50,000) and 2000 U.S. Census data (35,188) were used to create the range of rates reported for African-born persons. The population estimate for Black, African-American persons (167,784) was calculated by subtracting the U.S. Census estimate for African-born persons (35,188) from the total Black population (202,972). Note that this assumes that all African-born persons are Black (as opposed to another race).

<sup>IV</sup> U.S. Census 2000 data necessary to calculate race-specific rates (specifically a breakdown of the state population by "Race alone or in Combination with one or more races" by gender) have not yet been released for Minnesota. When these data become available this table will be updated.

Numbers exclude federal and private prisoners and refugees in the HIV-Positive Refugee Resettlement Program.

MSM = Men who have sex with men. IDU = Injecting drug use. Heterosexual = For males: heterosexual contact with a female known to be HIV+, an injecting drug user, or a hemophiliac/blood product or organ transplant recipient. For females: heterosexual contact with a male known to be HIV+, bisexual, an injecting drug user, or a hemophiliac/blood product or organ transplant recipient. Perinatal = Mother to child HIV transmission; birth may have occurred in a previous year. Unspecified = Cases who did not acknowledge any of the risks listed above. No Interview = Cases who refused to be, could not be or have not yet been interviewed.

Percentages may not add to 100 due to rounding.

**Table 4. Number of Cases and Rates (per 100,000 persons) of HIV Infection by County of Residence<sup>I</sup> -- Minnesota, 2004**

<b>County<sup>II</sup></b>	<b>HIV Infection Cases</b>	<b>HIV Infection Rate<sup>III</sup></b>
Aitkin	0	-
Anoka	17	5.7
Becker	0	-
Beltrami	0	-
Benton	0	-
Big Stone	0	-
Blue Earth	2	-
Brown	1	-
Carlton	0	-
Carver	0	-
Cass	0	-
Chippewa	1	-
Chisago	0	-
Clay	0	-
Clearwater	0	-
Cook	0	-
Cottonwood	0	-
Crow Wing	0	-
Dakota	14	3.9
Dodge	1	-
Douglas	0	-
Faribault	1	-
Fillmore	0	-
Freeborn	0	-
Goodhue	1	-
Grant	0	-
Hennepin	177	15.9
Houston	0	-
Hubbard	0	-
Isanti	0	-
Itasca	0	-
Jackson	0	-
Kanabec	0	-
Kandiyohi	1	-
Kittson	0	-
Koochiching	0	-
Lac Qui Parle	0	-
Lake	0	-
Lake of the Woods	0	-
Le Sueur	0	-
Lincoln	0	-
Lyon	0	-
McLeod	1	-
Mahnomen	0	-
Marshall	0	-
Martin	0	-
Meeker	2	-
Mille Lacs	0	-
Morrison	2	-
Mower	0	-

<b>Table 4. Number of Cases and Rates (per 100,000 persons) of HIV Infection by County of Residence<sup>I</sup> -- Minnesota, 2004</b>		
<b>County<sup>II</sup></b>	<b>HIV Infection Cases</b>	<b>HIV Infection Rate<sup>III</sup></b>
Murray	0	-
Nicollet	0	-
Nobles	2	-
Norman	0	-
Olmsted	2	-
Otter Tail	0	-
Pennington	1	-
Pine	1	-
Pipestone	0	-
Polk	0	-
Pope	0	-
Ramsey	54	10.6
Red Lake	0	-
Redwood	0	-
Renville	0	-
Rice	3	-
Rock	0	-
Roseau	0	-
St. Louis	3	-
Scott	2	-
Sherburne	1	-
Sibley	0	-
Stearns	2	-
Steele	0	-
Stevens	0	-
Swift	0	-
Todd	0	-
Traverse	0	-
Wabasha	0	-
Wadena	0	-
Waseca	2	-
Washington	4	-
Watonwan	0	-
Wilkin	0	-
Winona	1	-
Wright	4	-
Yellow Medicine	0	-
<i>State Total<sup>IV</sup></i>	<i>307</i>	<i>6.2</i>

<sup>I</sup> HIV infection includes all new cases of HIV infection (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2004. County of residence as reported at time of diagnosis.

<sup>II</sup> Residence information missing for 4 cases of HIV infection in 2004; Total rate is based on all cases in the state (n = 307).

<sup>III</sup> Rates calculated using U.S. Census 2000 data. Rates not calculated for counties with fewer than 5 cases. Numbers and rates exclude federal and private prisoners and refugees in the HIV-Positive Refugee Resettlement Program. HIV infection was diagnosed among two state prisoners during 2004 (State correctional facilities are located in the following counties: Anoka, Carlton, Chisago, Goodhue, Pine, Rice, Scott, Stearns, and Washington).

<b>Perinatal HIV Exposure<sup>I</sup></b>										
<b>Table 5a. Number of Births to HIV-Infected Women<sup>II</sup> by Year of Child's Birth and Mother's Race/Ethnicity, Minnesota 1982-2004</b>										
<b>Year(s)</b>	<b>Race/Ethnicity of Mother</b>							<b>Total</b>	<b>Foreign-born Mothers<sup>IV</sup></b>	
	White	Black, African-American <sup>III</sup>	Black, African-born <sup>III</sup>	Hispanic	American Indian	Asian/PI	Multi-racial		Number	(% of total in time period)
1982-1989	15	6	0	0	1	1	0	23	2	9%
1990	4	2	0	0	1	0	0	7	0	0%
1991	5	4	0	0	3	0	0	12	0	0%
1992	9	5	1	1	0	0	0	16	1	6%
1993	8	6	1	0	1	0	0	16	1	6%
1994	5	9	1	2	2	0	0	19	1	5%
1995	8	8	0	1	2	0	0	19	1	5%
1996	8	2	0	2	1	1	0	14	3	21%
1997	8	8	1	1	0	1	0	19	1	5%
1998	8	6	3	1	2	0	0	20	4	20%
1999	7	12	3	1	1	1	1	26	5	19%
2000	12	10	7	2	1	1	0	33	9	27%
2001	1	20	13	1	2	0	0	37	15	41%
2002	9	6	13	2	3	0	3	36	14	39%
2003	6	15	18	4	2	1	1	47	21	45%
2004	8	13	22	3	2	1	0	49	24	49%
<b>Cumulative Total</b>	121	132	83	21	24	7	5	393	102	26%

NOTE: A birth to an HIV-infected woman was only included in the table if her residence at the time of child's birth was reported as Minnesota.

<sup>I</sup> Exposure of child to HIV during pregnancy, at birth, and/or during breastfeeding.

<sup>II</sup> HIV-infected women may or may not have progressed to an AIDS diagnosis.

<sup>III</sup> African-born Blacks are reported separately from other Blacks (born in the U.S. or elsewhere).

<sup>IV</sup> Mothers' places of birth include: Africa (83), Asia/Pacific Islands (7), Latin America/Caribbean (12).

## Perinatal HIV Transmission<sup>I</sup>

**Table 5b. Number of Perinatally-Acquired HIV/AIDS Cases by Year of Child's Birth and Mother's Race/Ethnicity, Minnesota 1982-2004**

Year(s)	Race/Ethnicity of Mother							Total	Foreign-born Mothers <sup>III</sup>	
	White	Black, African-American <sup>II</sup>	Black, African-born <sup>II</sup>	Hispanic	American Indian	Asian/PI	Unknown		Number	(% of total in time period)
1982-1989	5	2	0	0	1	1	0	9	1	11%
1990	2	0	0	0	0	0	0	2	0	0%
1991	4	0	0	0	0	0	0	4	0	0%
1992	2	0	0	0	0	0	0	2	0	0%
1993	2	1	0	0	0	0	0	3	0	0%
1994	2	0	0	1	0	0	0	3	0	0%
1995	0	0	0	1	1	0	0	2	0	0%
1996	0	1	0	1	0	1	0	3	2	67%
1997	0	0	1	0	0	0	0	1	0	0%
1998	1	1	2	0	0	0	0	4	2	50%
1999	0	0	0	0	0	0	0	0	0	-
2000	0	1	0	0	0	0	0	1	0	0%
2001	0	0	0	0	0	0	0	0	0	-
2002	0	0	0	1	0	0	0	1	1	100%
2003	0	0	1	0	0	0	0	1	1	100%
2004	0	0	0	0	0	0	0	0	0	-
<b>Cumulative Total</b>	18	6	4	4	2	2	0	36	7	19%
<b>Rate of Transmission 1996-2004</b>	1%	3%	5%	--	--	--	--	4%	6%	--
<b>Cumulative Rate of Transmission<sup>IV</sup></b>	15%	5%	5%	--	--	--	--	9%	7%	--

NOTE: Cases of perinatally-acquired HIV/AIDS were only included in the table if the child's residence at the time of birth was reported as Minnesota.

<sup>I</sup> Transmission of HIV from mother to child during pregnancy, at birth, and/or during breastfeeding.

<sup>II</sup> African-born Blacks are reported separately from other Blacks (born in the U.S. or elsewhere).

<sup>III</sup> Mothers' places of birth include: Africa (3), Asia/Pacific Islands (2), Latin America/Caribbean (2).

<sup>IV</sup> The cumulative rate of HIV transmission is calculated by dividing the total number of perinatally-acquired HIV infections by the total number of births in a category and multiplying by 100. Rates calculated only for categories where the cumulative number of births is 30 or greater.