

HIV Incidence Report Data Tables, Minnesota 2018

Table 1. Number of New Cases and Rates (per 100,000 persons) of HIV Diagnoses, HIV (non-AIDS), & AIDS (New Diagnosis AIDS, Progressed to AIDS)^I Minnesota, 1982-2018

Year	HIV Diagnosis ^{III}		HIV (non-AIDS) ^{III}		New AIDS Diagnosis		Progressed to AIDS		Total AIDS ^{IV}	
	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate	Cases	Rate
1982-1999	6,033	--	5,034	--	999	--	2531	--	3,530	--
2000	282	5.7	220	4.5	62	1.3	111	2.3	173	3.5
2001	282	5.7	231	4.6	51	1.0	95	1.9	146	2.9
2002	307	6.1	250	5.0	57	1.1	117	2.3	174	3.5
2003	281	5.6	228	4.5	53	1.0	143	2.8	196	3.9
2004	308	6.1	240	4.7	68	1.3	179	3.5	247	4.9
2005	305	6.0	246	4.8	59	1.2	157	3.1	216	4.2
2006	315	6.1	268	5.2	47	0.9	149	2.9	196	3.8
2007	330	6.3	264	5.1	66	1.3	123	2.4	189	3.6
2008	322	6.1	249	4.7	73	1.4	130	2.5	203	3.9
2009	366	6.9	278	5.3	88	1.7	101	1.9	189	3.6
2010	331	6.2	248	4.7	83	1.6	98	1.8	181	3.4
2011	292	5.5	221	4.2	71	1.3	116	2.2	187	3.5
2012	314	5.9	237	4.5	77	1.5	122	2.3	199	3.8
2013	303	5.7	218	4.1	85	1.6	80	1.5	165	3.1
2014	312	5.9	237	4.5	75	1.4	95	1.8	170	3.2
2015	303	5.7	234	4.4	69	1.3	79	1.5	148	2.8
2016	300	5.7	239	4.5	61	1.2	74	1.4	135	2.5
2017	280	5.3	215	4.1	65	1.2	81	1.5	146	2.8
2018	286	5.4	228	4.3	58	1.1	58	1.1	116	2.2
Cumulative Total^{II}	11,852	223.5	9,585	180.7	2267	42.7	4639	87.5	6,906	130.2

^I HIV Diagnosis = New cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) diagnosed within a given calendar year. HIV (non-AIDS) = New cases of HIV diagnosis (excluding AIDS at first diagnosis) diagnosed within a given calendar year. New AIDS Diagnosis= AIDS at first diagnosis. Progressed to AIDS= diagnosis of HIV (non-AIDS) in a previous year with a diagnosis of AIDS in given calendar year. Total AIDS = All new cases of AIDS diagnosed within a given calendar year, including AIDS at first diagnosis.

^{II} The cumulative rate is calculated by dividing the cumulative number of cases by the estimated current state population and multiplying by 100,000. Rates for individual calendar years were calculated using 2010 U.S. Census population data (2010-2013), 2000 U.S. Census population data for 2000, and U.S. Census intercensal population estimates released in September 2011 were used for years 2001-2009.

^{III} Numbers and rates exclude federal and private prisoners and refugees in the HIV-Positive Refugee Resettlement Program, as well as refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota

^{IV} Numbers and rates include refugees in the HIV-Positive Refugee Resettlement Program, as well as other refugee/immigrants diagnosed with AIDS subsequent to their arrival in the U.S.

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 Diagnosis by Residence, Age, and Sex Assigned at Birth^I Minnesota, 2018

Group	Males		Females		Total		HIV
	Cases	%	Cases	%	Cases	%	Infection Rate
Residence^{II}							
Minneapolis	68	31%	7	10%	75	26%	19.6
St. Paul	26	12%	7	10%	33	12%	11.6
Suburban	73	34%	40	58%	113	40%	5.2
Greater Minnesota	50	23%	15	22%	65	23%	2.6
Total	217	100%	69	100%	286	100%	5.4
Age							
<13 yrs	0	0%	1	1%	1	0%	0.1
13-19 yrs	7	3%	1	1%	8	3%	1.6
20-24 yrs	26	12%	4	6%	30	10%	8.4
25-29 yrs	53	24%	11	16%	64	22%	17.2
30-34 yrs	38	18%	11	16%	49	17%	14.3
35-39 yrs	30	14%	13	19%	43	15%	13.1
40-44 yrs	23	11%	8	12%	31	11%	8.8
45-49 yrs	15	7%	11	16%	26	9%	6.4
50-54 yrs	14	6%	3	4%	17	6%	4.2
55-59 yrs	6	3%	2	3%	8	3%	2.3
60+ yrs	5	2%	4	6%	9	3%	0.9
Total	217	100%	69	100%	286	100%	5.4

^IHIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2018.

^{II}Residence at time of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis).

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, as well as refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota. State prisoners are included (0 diagnosis in 2018).

Rates calculated using U.S. Census 2010 data. Percentages may not add to 100 due to rounding.

Table 3. Number of Cases and Rates (per 100,000 persons) of HIV Diagnosis by Race/Ethnicity & Mode of Exposure^I Minnesota by Sex Assigned at Birth, 2018

Group	Males			Females			Total		
	Cases	%	Rate ^{IV}	Cases	%	Rate ^{IV}	Cases	%	Rate ^{III}
Race/Ethnicity									
White, non-Hispanic	93	43%	4.2	21	31%	0.9	114	40%	2.5
Black ^{II} , African-American, non-Hispanic	49	23%	X	13	19%	X	62	22%	36.6
Black ^{II} , African-born ^{III} , non-Hispanic	23	11%	X	25	37%	X	48	17%	45.8
Hispanic, any race	34	16%	25.8	2	3%	1.7	36	13%	14.4
American Indian, non-Hispanic	4	2%	#	4	6%	#	8	3%	#
Asian/PI, non-Hispanic	6	3%	5.7	0	0%	#	6	2%	2.8
Other ^{II} , non-Hispanic	7	3%	X	2	3%	X	9	3%	X
Total	216	100%	8.2	67	100%	2.5	283	100%	5.3
Mode of Exposure									
MSM	128	59%	X	--	--	X	128	45%	X
IDU	3	1%	X	8	13%	X	11	4%	X
MSM/IDU	21	10%	X	--	--	X	21	7%	X
Heterosexual	14	6%	X	20	31%	X	34	12%	X
Perinatal	0	0%	X	1	2%	X	1	0%	X
Other	0	0%	X	0	0%	X	0	0%	X
Unspecified	51	24%	X	40	58%	X	91	32%	X
Total	217	100%	8.2	69	100%	2.6	286	100%	5.4

^I HIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2018.

^{II} African-born Blacks are reported separately from other Blacks (born in the U.S. or elsewhere). The Black, African-American population is non-Hispanic. "Other" includes multi-racial persons and persons with unknown race

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^{III} Rates calculated using U.S. Census 2010 data. The population estimate for African-born persons was calculated by the Minnesota State Demographic Center . The population estimate for Black, African-American persons (191,584) was calculated by subtracting the U.S. Census estimate for African-born persons (77,557) from the total Black population (269,141). Note that this assumes that all African-born persons are Black (as opposed to another race).

^{IV} U.S. Census 2010 data necessary to calculate race-specific rates by gender are not available for all subpopulations, and/or numbers are too small to calculate reliable rates.

Numbers exclude federal and private prisoners and refugees in the HIV-Positive Refugee Resettlement Program, as well as, refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota.

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, Unspecified = 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 Diagnosis by County of Residence¹ -- Minnesota, 2018

County	HIV Diagnosis		County	HIV Diagnosis	
	Cases	Rate		Cases	Rate
Aitkin	0	-	Freeborn	2	-
Anoka	15	4.5	Goodhue	2	-
Becker	2	-	Grant	0	-
Beltrami	1	-	Hennepin	135	11.7
Benton	1	-	Houston	0	-
Big Stone	0	-	Hubbard	0	-
Blue Earth	5	7.8	Isanti	0	-
Brown	0	-	Itasca	0	-
Carlton	1	-	Jackson	0	-
Carver	2	-	Kanabec	1	-
Cass	1	-	Kandiyohi	0	-
Chippewa	0	-	Kittson	0	-
Chisago	1	-	Koochiching	0	-
Clay	1	-	Lac Qui Parle	0	-
Clearwater	0	-	Lake	0	-
Cook	0	-	Lake of the Woods	0	-
Cottonwood	0	-	Le Sueur	1	-
Crow Wing	1	-	Lincoln	1	-
Dakota	13	3.3	Lyon	0	-
Dodge	0	-	McLeod	0	-
Douglas	2	-	Mahnomen	0	-
Faribault	0	-	Marshall	0	-
Fillmore	0	-	Martin	0	-

County	HIV Diagnosis		County	HIV Diagnosis	
	Cases	Rate		Cases	Rate
Meeker	1	-	Roseau	0	-
Mille Lacs	0	-	St. Louis	5	2.5
Morrison	1	-	Scott	3	-
Mower	2	-	Sherburne	5	5.6
Murray	0	-	Sibley	1	-
Nicollet	0	-	Stearns	3	-
Nobles	1	-	Steele	1	-
Norman	1	-	Stevens	0	-
Olmsted	7	4.9	Swift	0	-
Otter Tail	2	-	Todd	0	-
Pennington	2	-	Traverse	0	-
Pine	0	-	Wabasha	0	-
Pipestone	1	-	Wadena	0	-
Polk	0	-	Waseca	1	-
Pope	0	-	Washington	9	3.8
Ramsey	44	8.7	Watonwan	0	-
Red Lake	1	-	Wilkin	1	-
Redwood	0	-	Winona	0	-
Renville	1	-	Wright	1	-
Rice	2	-	Yellow Medicine	1	-
Rock	0	-	<i>State Total</i>	285	5.4

¹HIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2018.

²Residence at time of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis)

³Rates calculated using U.S. Census 2010 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, as well as, refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota. HIV infection was diagnosed among 0 state prisoners during 2018 (State correctional facilities are located in the following counties: Anoka, Carlton, Chisago, Goodhue, Itasca, Rice, Scott, Sherburne, and Washington).

Table 5a. Perinatal HIV Exposure^I: Number of Births to HIV-Infected Pregnant Persons by Year of Child's Birth and Mother's Race/Ethnicity, Minnesota 1982-2018

Year(s)	Race/Ethnicity of Pregnant Person							Total	Foreign-born Pregnant Persons ^{IV}	
	White	Black, African-American ^{III}	Black, African-born ^{III}	Hispanic	American Indian	Asian/PI	Multi-racial		Number	(% of total in time period)
1982-1999	84	62	10	9	14	3	8	190	20	11%
2000	12	9	7	2	1	1	1	33	9	27%
2001	1	20	11	1	2	0	1	36	14	39%
2002	9	6	13	3	2	0	3	36	14	39%
2003	5	13	18	6	0	1	4	47	21	45%
2004	7	13	22	3	2	1	1	49	24	49%
2005	7	8	20	3	0	2	1	41	25	61%
2006	7	14	21	6	1	1	2	52	27	52%
2007 [^]	16	12	24	2	2	1	2	60	29	48%
2008	3	12	26	6	0	2	4	53	34	64%
2009	15	13	33	4	1	2	3	71	39	55%
2010 [^]	7	13	22	2	2	1	4	50	23	46%
2011 [^]	10	10	28	9	4	1	4	68	36	53%
2012 [^]	14	11	25	3	2	0	4	59	32	54%
2013 [^]	8	11	32	5	4	1	1	62	35	56%
2014 [^]	5	8	40	4	1	1	5	62	45	73%
2015 [^]	3	10	30	3	0	0	5	49	32	65%
2016 [^]	6	9	32	5	0	1	8	60	38	63%
2017 [^]	5	10	33	4	1	2	2	53	41	77%
2018 [^]	10	10	28	8	0	2	6	65	38	58%
Cumulative Total	234	274	475	88	39	23	69	1,196	576	48%

A birth to an HIV-Infected pregnant person was only included in the table if her residence at the time of child's birth was reported as Minnesota.

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

^{II} HIV-infected pregnant persons may or may not have progressed to an AIDS diagnosis.

^{III} African-born Blacks are reported separately from other Blacks (born in the U.S. or elsewhere).

^{IV} Pregnant Persons' places of birth include: Pregnant Persons' places of birth include: Africa (457), Asia/Pacific Islands (25), Central America/Caribbean (18), Europe (5), Mexico (18), and South America (8).

[^] Pregnant Person's race was missing for 1 birth in 2007, 3 births in 2011, 1 birth in 2012, 2 birth in 2013, 2 birth in 2014, 3 in 2016, and 0 in 2018. Country of mother's birth was missing for 1 birth in 2010, 1 birth in 2011, 1 birth in 2012, 2 birth in 2013, 4 births in 2014, 2 birth in 2015, 4 births in 2016 and 4 in 2017 and 0 in 2018

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Table 5b. Perinatal HIV Transmission^I: Number of Perinatally-Acquired HIV/AIDS Cases by Year of Child's Birth and Pregnant Person's Race/Ethnicity, Minnesota 1982-2018

Year(s)	Race/Ethnicity of Pregnant Person							Total	Foreign-born Pregnant Person ^{III}	
	White	Black, African-American ^{II}	Black, African-born ^{II}	Hispanic	American Indian	Asian/PI	Multi-racial		Number	(% of total in time period)
1982-1999	18	5	3	3	2	2	0	33	6	18%
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	-
2005	0	0	0	0	0	0	0	0	0	-
2006	0	0	1	0	0	0	0	1	1	100%
2007	0	0	1	0	0	0	0	1	1	100%
2008	0	0	0	0	0	0	0	0	0	-
2009	0	0	0	0	0	0	0	0	0	-
2010	0	0	2	0	0	0	0	2	2	100%
2011	0	0	0	0	0	0	0	0	0	-
2012	1	0	0	0	0	0	0	1	1	100%
2013	0	0	0	0	0	0	0	0	0	-
2014	0	1	0	0	0	0	0	1	0	0%
2015	0	1	1	0	0	0	0	2	1	50%
2016	0	0	0	0	0	0	0	0	0	-
2017	1	0	0	0	0	0	0	1	1	100%
2018	0	0	0	0	0	0	0	0	0	-
Cumulative Total	20	8	9	4	2	2	0	45	15	33%
Rate of Transmission 2016-2018	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.9%	--
Cumulative Rate of Transmission^{IV}	9.0%	3.0%	2.0%	5.0%	5.0%	--	--	4.0%	2.8%	--

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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.

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

^{II} African-born Blacks are reported separately from other Blacks (born in the U.S. or elsewhere).

^{III} Mothers' places of birth include: Africa (9), Asia/Pacific Islands (2), Central America/Caribbean (1), Europe (1), Mexico (1).

^{IV} 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.

Minnesota Department of Health

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