

HIV Incidence Report 2022 Tables

Table 1. Number of New Cases and Rates (per 100,000 people) of HIV Diagnoses, HIV (non-AIDS), & AIDS (New Diagnosis AIDS, Progressed to AIDS)^I Minnesota, 1982-2022

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	6,012	--	5,014	--	998	--	3531	--	4529	--
2000	283	5.8	221	4.5	62	1.3	173	3.5	235	4.8
2001	280	5.6	230	4.6	50	1.0	145	2.9	195	3.9
2002	305	6.1	248	4.9	57	1.1	173	3.4	230	4.6
2003	283	5.6	227	4.5	56	1.1	197	3.9	253	5.0
2004	311	6.1	244	4.8	67	1.3	248	4.9	315	6.2
2005	306	6.0	247	4.8	59	1.2	217	4.2	276	5.4
2006	315	6.1	269	5.2	46	0.9	195	3.8	241	4.7
2007	333	6.4	266	5.1	67	1.3	191	3.7	258	5.0
2008	322	6.1	249	4.7	73	1.4	204	3.9	277	5.3
2009	368	7.0	280	5.3	88	1.7	188	3.6	276	5.2
2010	332	6.3	250	4.7	82	1.5	180	3.4	262	4.9
2011	292	5.5	222	4.2	70	1.3	186	3.5	256	4.8
2012	314	5.9	237	4.5	77	1.5	198	3.7	275	5.2
2013	303	5.7	218	4.1	85	1.6	178	3.4	263	5.0
2014	310	5.8	234	4.4	76	1.4	168	3.2	244	4.6
2015	303	5.7	234	4.4	69	1.3	147	2.8	216	4.1
2016	303	5.7	242	4.6	61	1.2	135	2.5	196	3.7
2017	283	5.3	217	4.1	66	1.2	147	2.8	213	4.0
2018	287	5.4	227	4.3	60	1.1	133	2.5	193	3.6
2019	278	5.2	221	4.2	57	1.1	125	2.4	182	3.4
2020	229	4.3	186	3.5	43	0.8	109	2.1	152	2.9
2021	298	5.6	238	4.5	60	1.1	115	2.2	175	3.3
2022	262	4.9	223	4.2	39	0.7	102	1.9	141	2.7
Cumulative Total ^{II}	12,912	243.4	10,444	196.9	2468	46.5	7385	139.2	9853	185.8

^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)

^{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 US Census intercensal population estimates released in September 2011 were used for years 2001-2009.

^{III} Numbers and rates exclude people who are incarcerated at federal and private institutions, 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.

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).

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Table 2. Number of Cases and Rates (per 100,000 people) of HIV Diagnosis by Residence, Age, and Sex Assigned at Birth¹ Minnesota, 2022

Group	Assigned Male at Birth		Assigned Female at Birth		Total		HIV
	Cases	%	Cases	%	Cases	%	Infection Rate
Residence^{II}							
Minneapolis	54	26%	16	31%	70	27%	18.3
St. Paul	27	13%	10	20%	37	14%	13.0
Suburban	78	37%	15	29%	93	35%	4.3
Greater Minnesota	52	25%	10	20%	62	24%	2.5
Total	211	100%	51	100%	262	100%	4.9
Age							
<13 yrs.	1	0%	0	0%	1	0%	0.1
13-19 yrs.	18	9%	4	8%	22	8%	4.3
20-24 yrs.	44	21%	3	6%	47	18%	13.2
25-29 yrs.	31	15%	4	8%	35	13%	9.4
30-34 yrs.	26	12%	3	6%	29	11%	8.5
35-39 yrs.	32	15%	8	16%	40	15%	12.2
40-44 yrs.	16	8%	8	16%	24	9%	6.8
45-49 yrs.	11	5%	7	14%	18	7%	4.4
50-54 yrs.	12	6%	8	16%	20	8%	5.0
55-59 yrs.	7	3%	3	6%	10	4%	2.9
60+ yrs.	13	6%	3	6%	16	6%	1.7
Total	211	100%	51	100%	262	100%	4.9

^IHIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2022.

^{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 people incarcerated at federal and private institutions, and refugees in the HIV-Positive Refugee Resettlement Program, as well as refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota. People incarcerated by the state are included.

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

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Table 3. Number of Cases and Rates (per 100,000 people) of HIV Diagnosis by Race/Ethnicity & Mode of Exposure^I Minnesota by Sex Assigned at Birth, 2022

Group	Assigned Male at Birth			Assigned Female at Birth			Total		
	Cases	%	Rate ^{IV}	Cases	%	Rate ^{IV}	Cases	%	Rate ^{III}
Race/Ethnicity									
American Indian, non-Hispanic	4	2%	14.5	7	14%	20.9	11	4%	19.8
Asian/PI, non-Hispanic	12	6%	11.4	2	4%	1.8	14	5%	6.4
Black ^{II} , non-African-born, non-Hispanic	62	29%		15	29%		77	29%	39.1
Black ^{II} , African-born ^{III} , non-Hispanic	13	6%		10	20%		23	9%	29.7
Hispanic, any race	35	17%	26.5	2	4%	1.7	37	14%	14.8
White, non-Hispanic	79	37%	3.6	12	24%	0.5	91	35%	2.1
Other ^{II} , non-Hispanic	6	3%	12.3	3	6%	8.9	9	3%	9.1
Total	211	100%	8.0	51	100%	1.9	262	100%	4.9
Mode of Exposure									
MSM	114	54%	X	0	--	X	114	44%	X
IDU	11	5%	X	11	22%	X	22	8%	X
MSM/IDU	13	6%	X	0	--	X	13	5%	X
Heterosexual	5	2%	X	4	8%	X	9	3%	X
Perinatal	1	0%	X	0	0%	X	1	0%	X
Other	0	0%	X	0	0%	X	0	0%	X
Unspecified	67	32%	X	36	71%	X	103	39%	X
Total	211	100%	8.0	51	100%	1.9	262	100%	4.9

^I HIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2022.

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

^{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, non African-born persons (196,855) was calculated by subtracting the U.S. Census estimate for African-born persons (77,557) from the total Black population (274,412). Note that this assumes that all African-born persons are Black (as opposed to another race).

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^{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 people who are incarcerated federally and privately, and refugees in the HIV-Positive Refugee Resettlement Program, as well as refugee/immigrants with an HIV diagnosis prior to arrival in Minnesota.

^v Hetero, unknown risk - Females who were interviewed and whose only risk is heterosexual contact but who were not able to provide information on the sexual partner's risk.

MSM = Men who have sex with men. IDU = Injection drug use. Heterosexual = For males: heterosexual contact with a female known to be HIV+, an injection 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.

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2021

Table 4. Number of Cases and Rates (per 100,000 people) of HIV Diagnosis by County of Residence¹ --Minnesota, 2022

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
Aitkin	0	-
Anoka	15	4.5
Becker	1	-
Beltrami	1	-
Benton	4	-
Big Stone	0	-
Blue Earth	1	-
Brown	0	-
Carlton	2	-
Carver	0	-
Cass	0	-
Chippewa	0	-
Chisago	2	-
Clay	5	8.5
Clearwater	0	-
Cook	0	-
Cottonwood	0	-
Crow Wing	2	-
Dakota	13	3.3
Dodge	0	-
Douglas	0	-
Faribault	0	-
Fillmore	0	-

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
Freeborn	0	-
Goodhue	1	-
Grant	1	-
Hennepin	115	10.0
Houston	0	-
Hubbard	0	-
Isanti	2	-
Itasca	0	-
Jackson	0	-
Kanabec	0	-
Kandiyohi	2	-
Kittson	0	-
Koochiching	0	-
Lac Qui Parle	0	-
Lake	0	-
Lake of the Woods	0	-
Le Sueur	1	-
Lincoln	0	-
Lyon	0	-
Mahnomen	0	-
Marshall	0	-
Martin	0	-

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
McLeod	0	-
Meeker	0	-
Mille Lacs	2	-
Morrison	1	-
Mower	0	-
Murray	1	-
Nicollet	1	-
Nobles	0	-
Norman	0	-
Olmsted	7	4.9
Otter Tail	1	-
Pennington	0	-
Pine	1	-
Pipestone	0	-
Polk	1	-
Pope	0	-
Ramsey	44	8.7
Red Lake	0	-
Redwood	0	-
Renville	0	-
Rice	1	-
Rock	0	-
Roseau	0	-

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
Scott	7	5.4
Sherburne	0	-
Sibley	0	-
St. Louis	6	3.0
Stearns	8	5.3
Steele	0	-
Stevens	0	-
Swift	0	-
Todd	0	-
Traverse	0	-
Wabasha	0	-
Wadena	0	-
Waseca	0	-
Washington	6	2.5
Watsonwan	0	-
Wilkin	0	-
Winona	2	-
Wright	5	4.0
Yellow Medicine	0	-
State Total	262	4.9

¹HIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2022.

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

^{III}Rates calculated using U.S. Census 2010 data. Rates not calculated for counties with fewer than five cases.

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Numbers and rates exclude people incarcerated at federal and private institutions, 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 one person incarcerated by the state during 2021 (State correctional facilities are located in the following counties: Anoka, Carlton, Chisago, Goodhue, Itasca, Rice, Scott, Sherburne, and Washington).

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Table 5a. Perinatal HIV Exposure^I: Number of Births to Pregnant Women Living with HIV by Year of Child's Birth and Mother's Race/Ethnicity, Minnesota 1982-2022

Year(s)	Race/Ethnicity of Pregnant Person							Total	Foreign-born Pregnant People ^{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	61	10	9	13	3	10	190	20	11%
2000	12	9	7	2	1	1	1	33	9	27%
2001	1	18	11	2	2	0	2	36	14	39%
2002	9	6	13	3	2	0	3	36	14	39%
2003	5	12	18	7	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	59	29	49%
2008	3	12	26	6	0	1	5	53	34	64%
2009	15	13	33	4	1	1	4	71	39	55%
2010	7	13	22	2	2	1	4	51	23	45%
2011	10	10	31	9	4	1	4	69	37	54%
2012	14	10	26	3	2	0	4	59	33	56%
2013	8	12	33	5	4	1	1	64	36	56%
2014	5	8	42	4	1	0	6	66	47	71%
2015	3	10	30	3	0	0	5	51	33	65%
2016	7	9	34	5	0	1	8	64	40	63%
2017	5	7	35	4	1	2	3	57	43	75%
2018	10	8	30	9	0	2	6	65	38	58%
2019	7	4	37	4	2	1	4	59	40	68%
2020	5	8	26	2	0	0	2	43	28	65%
2021	6	5	39	5	1	1	3	60	46	77%
	6	3	25	1	0	1	1	37	26	70%
Cumulative Total	259	285	615	103	41	23	86	1,412	726	51%

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A birth to a pregnant woman living with HIV 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} Pregnant women living with HIV may or may not have progressed to an AIDS diagnosis.

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

^{IV} Mothers' places of birth include: Africa (634), Asia/Pacific Islands (30), Central America/Caribbean (22), Europe (5), Mexico (23), Middle East (2) and South America (10).

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2021

Table 5b. Perinatal HIV Transmission^I: Number of Perinatally-Acquired HIV/AIDS Cases by Year of Child's Birth and Mother's Race/Ethnicity, Minnesota 1982-2022

Year(s)	Race/Ethnicity of Mother							Total	Foreign-born Mother ^{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	4	3	3	2	1	2	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	-
2019	0	0	0	0	0	0	0	0	0	-
2020	0	0	0	0	0	0	0	0	0	-
2021	0	0	0	0	0	0	0	0	0	-
2022	0	0	0	0	0	0	0	0	0	100%
Cumulative Total	20	7	9	4	2	1	2	45	15	33%
Rate of Transmission 2019-2021	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	--
Cumulative Rate of Transmission^{IV}	7.7%	2.5%	1.5%	3.9%	4.9%	--	2.3%	3.2%	2.1%	--

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.

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

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ⁱⁱ African-born Black people are reported separately from other Black people (born in the U.S. or elsewhere).

ⁱⁱⁱ Mothers' places of birth include: Africa (9), Asia/Pacific Islands (2), Central America/Caribbean (1), Europe (2), 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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