

HIV Incidence Report 2021 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, 1982-2021

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	6,019	--	5,021	--	998	--	3530	--	4528	--
2000	283	5.8	221	4.5	62	1.3	173	3.5	235	4.8
2001	284	5.7	233	4.7	51	1.0	146	2.9	197	4.0
2002	303	6.0	246	4.9	57	1.1	173	3.4	230	4.6
2003	281	5.6	227	4.5	54	1.1	197	3.9	251	5.0
2004	309	6.1	241	4.7	68	1.3	247	4.9	315	6.2
2005	305	6.0	246	4.8	59	1.2	216	4.2	275	5.4
2006	314	6.1	268	5.2	46	0.9	194	3.8	240	4.6
2007	331	6.4	265	5.1	66	1.3	190	3.6	256	4.9
2008	322	6.1	249	4.7	73	1.4	203	3.9	276	5.3
2009	367	6.9	277	5.2	90	1.7	189	3.6	279	5.3
2010	332	6.3	249	4.7	83	1.6	181	3.4	264	5.0
2011	291	5.5	221	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	302	5.7	218	4.1	84	1.6	174	3.3	258	4.9
2014	311	5.9	236	4.4	75	1.4	170	3.2	245	4.6
2015	302	5.7	233	4.4	69	1.3	148	2.8	217	4.1
2016	303	5.7	242	4.6	61	1.2	136	2.6	197	3.7
2017	282	5.3	217	4.1	65	1.2	146	2.8	211	4.0
2018	285	5.4	228	4.3	57	1.1	131	2.5	188	3.5
2019	275	5.2	219	4.1	56	1.1	113	2.1	169	3.2
2020	230	4.3	186	3.5	44	0.8	79	1.5	123	2.3
2021	298	5.6	245	4.6	53	1.0	81	1.5	134	2.5
Cumulative Total^{II}	12,643	238.4	10,225	192.8	2418	45.6	7201	135.8	9619	181.4

^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).

HIV INCIDENCE REPORT 2021 TABLES

Table 2. Number of Cases and Rates (per 100,000 people) of HIV Diagnosis by Residence, Age, and Sex Assigned at Birth¹ Minnesota, 2021

Group	Assigned Male at Birth		Assigned Female at Birth		Total		HIV
	Cases	%	Cases	%	Cases	%	Infection Rate
Residence^{II}							
Minneapolis	82	35%	11	17%	93	31%	24.3
St. Paul	26	11%	8	13%	34	11%	11.9
Suburban	68	29%	27	42%	95	32%	4.4
Greater Minnesota	58	25%	18	28%	76	26%	3.1
Total	234	100%	64	100%	298	100%	5.6
Age							
<13 yrs.	0	0%	0	0%	0	0%	0.0
13-19 yrs.	9	4%	2	3%	11	4%	2.2
20-24 yrs.	43	18%	7	11%	50	17%	14.1
25-29 yrs.	35	15%	4	6%	39	13%	10.5
30-34 yrs.	39	17%	10	16%	49	16%	14.3
35-39 yrs.	30	13%	12	19%	42	14%	12.8
40-44 yrs.	26	11%	11	17%	37	12%	10.5
45-49 yrs.	19	8%	6	9%	25	8%	6.2
50-54 yrs.	17	7%	4	6%	21	7%	5.2
55-59 yrs.	6	3%	4	6%	10	3%	2.9
60+ yrs.	9	4%	4	6%	13	4%	1.4
Total	233	100%	64	100%	297	100%	5.6

^IHIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2021.

^{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.

HIV INCIDENCE REPORT 2021 TABLES

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, 2021

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	5	2%	18.2	5	8%	14.9	10	3%	18.0
Asian/PI, non-Hispanic	7	3%	6.6	5	8%	4.4	12	4%	5.5
Black ^{II} , non-African-born, non-Hispanic	68	29%		10	16%		78	26%	53.8
Black ^{II} , African-born ^{III} , non-Hispanic	21	9%		25	39%		46	15%	36.5
Hispanic, any race	41	18%	31.1	2	3%	1.7	43	14%	17.2
White, non-Hispanic	87	37%	4.0	17	27%	0.8	104	35%	2.4
Other ^{II} , non-Hispanic	5	2%	10.3	0	0%	0.0	5	2%	5.0
Total	234	100%	8.9	64	100%	2.4	298	100%	5.6
Mode of Exposure									
MSM	111	47%	X	0	--	X	111	37%	X
IDU	12	5%	X	8	13%	X	20	7%	X
MSM/IDU	14	6%	X	0	--	X	14	5%	X
Heterosexual	6	3%	X	4	6%	X	10	3%	X
Perinatal	0	0%	X	0	0%	X	0	0%	X
Other	0	0%	X	0	0%	X	0	0%	X
Unspecified	91	39%	X	52	81%	X	143	48%	X
Total	234	100%	8.9	64	100%	2.4	298	100%	5.6

^I HIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2021.

^{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 people was calculated by the Minnesota State Demographic Center. The population estimate for Black, non-African-born people (145,078) was calculated by subtracting the U.S. Census estimate for African-born people (125,939) from the total Black population (271,017). Note that this assumes that all African-born people are Black (as opposed to another race).

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2021

^{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, 2021

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
Aitkin	0	-
Anoka	15	4.5
Becker	1	-
Beltrami	1	-
Benton	3	-
Big Stone	0	-
Blue Earth	1	-
Brown	0	-
Carlton	0	-
Carver	1	-
Cass	2	-
Chippewa	1	-
Chisago	1	-
Clay	3	-
Clearwater	0	-
Cook	0	-
Cottonwood	0	-
Crow Wing	7	11.2
Dakota	9	2.3
Dodge	0	-
Douglas	3	-
Faribault	0	-
Fillmore	0	-

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
Freeborn	0	-
Goodhue	2	-
Grant	0	-
Hennepin	145	12.6
Houston	0	-
Hubbard	0	-
Isanti	0	-
Itasca	1	-
Jackson	0	-
Kanabec	0	-
Kandiyohi	2	-
Kittson	0	-
Koochiching	0	-
Lac Qui Parle	0	-
Lake	1	-
Lake of the Woods	0	-
Le Sueur	1	-
Lincoln	1	-
Lyon	0	-
Mahnomen	0	-
Marshall	0	-
Martin	0	-

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
McLeod	0	-
Meeker	0	-
Mille Lacs	0	-
Morrison	0	-
Mower	3	-
Murray	0	-
Nicollet	1	-
Nobles	0	-
Norman	0	-
Olmsted	7	4.9
Otter Tail	1	-
Pennington	0	-
Pine	0	-
Pipestone	1	-
Polk	1	-
Pope	0	-
Ramsey	41	8.1
Red Lake	0	-
Redwood	2	-
Renville	0	-
Rice	0	-
Rock	0	-
Roseau	0	-

County ¹	HIV Diagnosis	
	Cases	Rate ^{III}
Scott	7	5.4
Sherburne	4	-
Sibley	0	-
St. Louis	6	3.0
Stearns	9	6.0
Steele	4	-
Stevens	0	-
Swift	1	-
Todd	2	-
Traverse	0	-
Wabasha	1	-
Wadena	1	-
Waseca	0	-
Washington	4	-
Watsonwan	0	-
Wilkin	0	-
Winona	0	-
Wright	1	-
Yellow Medicine	0	-
State Total	298	5.6

¹HIV Diagnosis includes all new cases of HIV diagnosis (both HIV (non-AIDS) and AIDS at first diagnosis) among Minnesota residents in 2021.

^{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.

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2021

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).

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2021

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 1982-2021

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	12	3	10	189	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	13	24	2	2	1	2	60	29	48%
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	27	3	2	0	4	60	33	55%
2013	8	12	33	5	4	1	1	64	36	56%
2014	6	7	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	10	29	8	0	2	6	65	38	58%
2019	7	4	37	4	2	1	4	59	40	68%
2020	5	9	24	2	0	0	2	42	27	64%
2021	6	5	40	5	1	1	2	60	46	77%
Cumulative Total	254	285	589	101	40	22	84	1,375	699	51%

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.

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2021

^{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 (608), Asia/Pacific Islands (30), Central America/Caribbean (22), Europe (5), Mexico (23), Middle East (2) and South America (9).

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 1982-2021

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	-
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}	7.9%	2.5%	1.5%	4.0%	5.0%	--	2.4%	3.3%	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.

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

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

HIV INCIDENCE REPORT DATA TABLES, MINNESOTA 2021

^{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

651-201-5414

www.health.state.mn.us/hiv

6/21/2020

To obtain this information in a different format, call: 651-201-5414.