

Annual Michigan HIV Surveillance Report - Tables

New Diagnoses and Prevalence, 2015

All data as of May 1, 2016



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Overview

Michigan's HIV Surveillance Program collects, interprets, and disseminates population level data regarding persons living with HIV (PLWH) and persons at risk of contracting the virus. Since 2001, the program has produced semi-annual reports for a wide audience. Beginning in 2016, these reports were overhauled and split into two parts. The "Annual Michigan HIV Surveillance Report" presents the most relevant information using graphical, user-friendly displays and can be found on our website. To explore current, pressing issues regarding the HIV epidemic, please review that report. This report, "Annual Michigan HIV Surveillance Report - Tables", contains the most commonly requested regional data.

The old surveillance reports utilized residence at diagnosis (the CDC standard) and therefore any person diagnosed in Michigan, regardless of their current location, was included. However, due to population changes, as well as the extended lifespan among PLWH, it is more appropriate to include only those currently living in Michigan. Due to differences in the underlying dataset, do not compare any numbers or figures in the new Annual Michigan HIV Surveillance Reports to old surveillance reports.

Key Definitions

The Basics

New Diagnoses: The number of cases newly diagnosed over a given period of time, usually a year. In HIV surveillance new diagnoses do not necessarily represent new infections as newly diagnosed cases may have been infected for many years.

Prevalence: The total number of persons currently living with HIV (PLWH).

Reported: The number of diagnosed persons.
Prevalence: who were reported to surveillance.

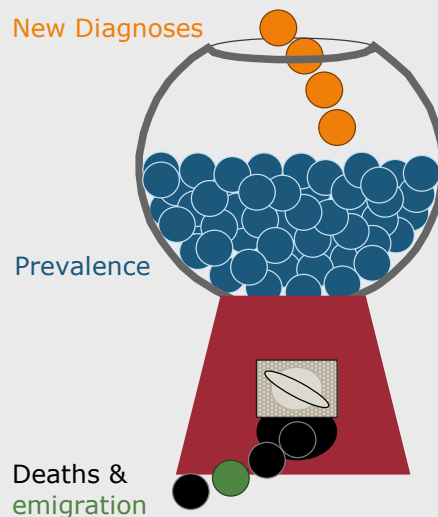
Estimated Prevalence: The number of persons diagnosed plus the estimated number of undiagnosed persons. The latter is calculated using the national estimate: 14%. The sum of diagnosed and undiagnosed is rounded up to the nearest ten.

HIV Stages: Stage 3 (formally called AIDS) refers to persons with a CD4 count of <200 cells. Once a person progresses to stage 3, the CD4 count may be improved, but that person is still categorized as stage 3. Stages 0, 1, or 2 (aka non-stage 3) refer to persons who have never progressed to stage 3.

Linkage, Care and Viral Suppression

Linked to Care: The proportion of newly diagnosed PLWH who have visited a doctor at least eight days after diagnosis (assessed by CD4, viral load, or genotype test).

In Care: The proportion of PLWH who visit a doctor at least once during a calendar year (assessed by CD4, viral load, or genotype test).



Overview

Community Viral Suppression: The proportion virally suppressed ($\leq 200\text{c/mL}$) out of *all* PLWH. Higher levels of community viral suppression reduce HIV transmission.

Viral Suppression (VL Supp) Rate: The proportion virally suppressed ($\leq 200\text{c/mL}$) out of PLWH *in care*.

Demographics

Race: In this report, persons described as white, black, Asian/Native Hawaiian/Pacific Islander, or American Indian/Alaska Native are all non-Hispanic; persons described as Hispanic may be of any race.

Gender: When available, this report utilizes current gender. When missing, gender is assumed to match sex at birth. Surveillance is aware that transgender persons are underreported and are usually categorized as the gender of their birth sex. This is because current gender did not become available for collection until 2010. Michigan surveillance anticipates that the reporting of current gender identity continues to improve.

Risk Categories and Hierarchy

MSM: Men who have sex with men.

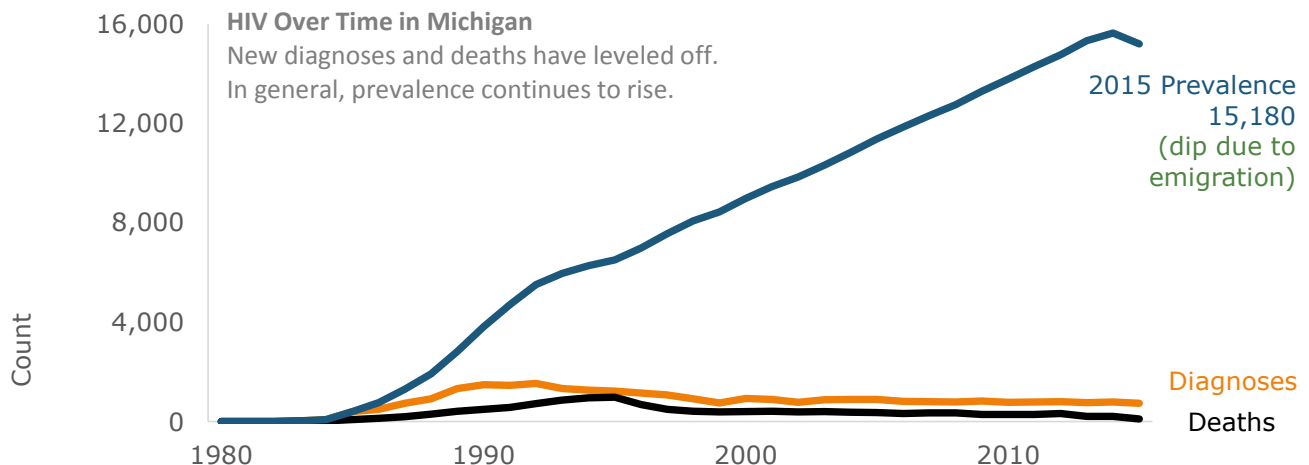
PWID: Persons who inject drugs.

Heterosexual: Males: men who are not MSM or PWID and reported sex with an HIV positive female or a female at risk (includes CDC and HRSA definitions).

Females: females who are not a PWID and reported sex with a male.

Blood Products: Hemophiliacs, blood transfusion recipients, and organ recipients who received blood products prior to 1985 & persons documented to have ever received an infected organ or unit of blood.

Perinatal: HIV transmission from mother to child during birth or through breastfeeding.



Overview

Table 1. New Diagnoses, Deaths, and Prevalence of HIV Infection by Year

Year	HIV Infection - All Stages			HIV Stage 3 Infection		
	Diagnoses	Deaths	Prevalence	Diagnoses	Deaths	Prevalence
1981	3	3	0	3	3	0
1982	3	1	2	2	1	1
1983	31	7	26	22	7	16
1984	72	23	75	50	23	43
1985	392	74	393	98	74	67
1986	490	124	759	168	121	114
1987	733	198	1,294	318	190	242
1988	909	289	1,914	492	280	454
1989	1,320	413	2,821	690	403	741
1990	1,474	490	3,805	794	470	1,065
1991	1,459	569	4,695	961	550	1,476
1992	1,534	724	5,505	1,231	693	2,014
1993	1,324	867	5,962	1,128	821	2,321
1994	1,257	955	6,264	1,014	893	2,442
1995	1,216	979	6,501	1,063	912	2,593
1996	1,149	675	6,975	857	627	2,823
1997	1,062	482	7,555	738	434	3,127
1998	919	409	8,065	644	356	3,415
1999	750	381	8,434	575	332	3,658
2000	929	394	8,969	650	343	3,965
2001	882	407	9,444	571	341	4,195
2002	769	386	9,827	574	328	4,441
2003	869	393	10,303	598	317	4,722
2004	892	370	10,825	564	297	4,989
2005	892	357	11,360	737	293	5,433
2006	809	327	11,842	616	264	5,785
2007	798	344	12,296	588	294	6,079
2008	786	347	12,735	551	286	6,344
2009	821	281	13,275	480	228	6,596
2010	775	288	13,762	521	238	6,879
2011	788	283	14,267	472	229	7,122
2012	799	315	14,751	441	255	7,308
2013	756	199	15,308	468	169	7,607
2014	790	204	15,621	367	161	7,979
2015	735	101	15,180	349	86	8,033
Total	28,452	12,558		19,046	11,233	

The current reported prevalence of HIV infection in Michigan is 15,180 cases. The prevalence of stage 3 HIV infection, which is a subset of the overall HIV infection prevalence, is 8,033 cases. The HIV infection columns display data on all persons with HIV, including those with stage 3.

The number of reported deaths include those directly attributable to the presence of HIV infection, as well as those due to other causes. Reported deaths for the most recent year is incomplete.

Prevalence

on January 1, 2016

Table 2. Demographic Information on Michigan Residents Living with HIV

Demographic Group	Estimated Prevalence	Reported HIV Infection							Census 2014 Estimates	
		Non Stage 3		Stage 3		Total		Rate	Count	%
		Count	%	Count	%	Count	%			
Total	17,660	7,147	100%	8,033	100%	15,180	100%	153.2	9,909,875	100%
Race/Ethnicity										
Black	10,100	4,099	57%	4,580	57%	8,679	57%	628.9	1,379,996	14%
Hispanic	940	364	5%	438	5%	802	5%	168.4	476,285	5%
White	5,980	2,421	34%	2,719	34%	5,140	34%	68.4	7,512,721	76%
Other	660	263	4%	296	4%	559	4%	103.4	540,873	5%
Asian/NH/PI	160	75	1%	54	<1%	129	<1%	45.6	282,807	3%
Am Indian/AN	40	18	<1%	14	<1%	32	<1%	56.9	56,196	<1%
Multi/Other	470	170	2%	228	3%	398	3%	197.2	201,870	2%
Gender & Race										
Male	13,680	5,472	77%	6,280	78%	11,752	77%	241.4	4,868,461	49%
Black	7,250	2,938	41%	3,288	41%	6,226	41%	950.4	655,089	7%
Hispanic	750	290	4%	349	4%	639	4%	264.5	241,548	2%
White	5,200	2,055	29%	2,407	30%	4,462	29%	120.4	3,707,305	37%
Other	500	189	3%	236	3%	425	3%	160.7	264,519	3%
Female	3,860	1,610	23%	1,700	21%	3,310	22%	65.7	5,041,414	51%
Black	2,750	1,107	15%	1,254	16%	2,361	16%	325.7	724,907	7%
Hispanic	190	72	1%	86	1%	158	1%	67.3	234,737	2%
White	770	357	5%	304	4%	661	4%	17.4	3,805,416	38%
Other	160	74	1%	56	<1%	130	<1%	47.0	276,354	3%
Transgender	140	65	<1%	53	<1%	118	<1%	--	N/A	N/A
Black	110	54	<1%	38	<1%	92	<1%	--	N/A	N/A
Hispanic	10	2	<1%	3	<1%	5	<1%	--	N/A	N/A
White	20	9	<1%	8	<1%	17	<1%	--	N/A	N/A
Other	10	0	0%	4	<1%	4	<1%	--	N/A	N/A
Risk										
MSM	9,220	3,839	54%	4,082	51%	7,921	52%	2805.2	282,371	3%
PWID	1,290	386	5%	720	9%	1,106	7%	--	N/A	N/A
MSM/PWID	650	231	3%	321	4%	552	4%	--	N/A	N/A
Heterosexual	3,390	1,349	19%	1,563	19%	2,912	19%	--	N/A	N/A
Males	750	274	4%	367	5%	641	4%	--	N/A	N/A
Females	2,650	1,075	15%	1,196	15%	2,271	15%	--	N/A	N/A
Blood Products	80	20	<1%	46	<1%	66	<1%	--	N/A	N/A
Perinatal	250	139	2%	74	<1%	213	1%	--	N/A	N/A
Undetermined	2,810	1,183	17%	1,227	15%	2,410	16%	--	N/A	N/A
Age										
0-12	90	65	<1%	10	<1%	75	<1%	8.4	892,475	9%
13-19	150	101	1%	22	<1%	123	<1%	12.3	998,816	10%
20-24	880	597	8%	152	2%	749	5%	102.5	730,746	7%
25-29	1,580	969	14%	383	5%	1,352	9%	222.0	608,895	6%
30-39	3,060	1,502	21%	1,127	14%	2,629	17%	227.0	1,158,376	12%
40-49	4,320	1,577	22%	2,131	27%	3,708	24%	289.2	1,282,038	13%
50-59	5,140	1,628	23%	2,786	35%	4,414	29%	300.4	1,469,417	15%
60+	2,480	705	10%	1,422	18%	2,127	14%	76.8	2,769,117	28%

MSM Census estimate is 5.8% of the male population in Michigan (Lieb S, et al 2011. Statewide Estimation of Racial/Ethnic Populations of Men Who Have Sex with Men in the U.S.)

Prevalence

on January 1, 2016

Table 3. Demographic Information and Care and Viral Suppression (VL) Rates on Michigan Residents Living with HIV

Gender & Race/Risk	Current Age														
	<13 yrs			13-19			20-24			25-29			30-39		
	Count	Care Rate	VL Supp Rate	Count	Care Rate	VL Supp Rate	Count	Care Rate	VL Supp Rate	Count	Care Rate	VL Supp Rate	Count	Care Rate	VL Supp Rate
Total	75	87%	92%	123	72%	81%	749	78%	68%	1,352	77%	72%	2,629	76%	81%
Male	38	89%	91%	76	70%	79%	638	79%	68%	1,119	76%	72%	1,927	76%	82%
Race															
Black	25	92%	91%	56	62%	71%	510	79%	65%	837	74%	67%	1,112	74%	77%
Hispanic	3	.	.	2	.	.	26	71%	80%	53	90%	81%	144	70%	87%
White	5	.	.	10	78%	86%	80	79%	81%	187	82%	89%	590	82%	89%
Other	5	.	.	8	.	.	22	93%	79%	42	79%	73%	81	70%	85%
Risk															
MSM	N/A	N/A	N/A	27	73%	88%	533	80%	70%	938	78%	74%	1,499	78%	83%
PWID	N/A	N/A	N/A	0	.	.	2	.	.	7	.	.	25	65%	57%
Heterosexual	N/A	N/A	N/A	0	.	.	10	83%	60%	27	82%	71%	77	73%	74%
Other/Unk	38	89%	91%	49	69%	77%	93	72%	54%	147	63%	59%	326	67%	83%
Female	36	85%	97%	43	74%	89%	103	79%	71%	200	79%	73%	669	77%	78%
Race															
Black	27	80%	100%	32	72%	90%	79	80%	70%	139	79%	70%	464	77%	77%
Hispanic	3	.	.	4	.	.	1	.	.	15	93%	77%	38	62%	80%
White	3	.	.	3	.	.	20	71%	82%	36	70%	90%	132	83%	80%
Other	3	.	.	4	.	.	3	.	.	10	100%	67%	35	77%	78%
Risk															
PWID	N/A	N/A	N/A	0	.	.	2	.	.	7	.	.	33	71%	55%
Heterosexual	N/A	N/A	N/A	5	.	.	59	82%	80%	133	81%	71%	529	80%	79%
Other/Unk	36	85%	97%	38	73%	92%	42	77%	60%	60	77%	79%	107	65%	81%
Transgender	1	.	.	4	.	.	8	.	.	33	66%	63%	33	81%	79%
Race															
Black	1	.	.	4	.	.	8	.	.	26	63%	60%	27	76%	83%
Hispanic	0	.	.	0	.	.	0	.	.	2	.	.	2	.	.
White	0	.	.	0	.	.	0	.	.	4	.	.	3	.	.
Other	0	.	.	0	.	.	0	.	.	1	.	.	1	.	.
Risk															
Sex with Male	N/A	N/A	N/A	4	.	.	8	.	.	32	66%	63%	32	83%	79%
Other/Unk	1	.	.	0	.	.	0	.	.	1	.	.	1	.	.

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Care and vl rates not shown for frequencies <10

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Table 3. Demographic Information and Care and Viral Suppression (VL) Rates on Michigan Residents Living with HIV (continued)

Gender & Race/Risk	Current Age									Total		
	40-49			50-59			60+			Count	Care Rate	VL Supp Rate
	Count	Care Rate	VL Supp Rate	Count	Care Rate	VL Supp Rate	Count	Care Rate	VL Supp Rate			
Total	3,708	77%	87%	4,414	80%	90%	2,127	80%	92%	15,177	78%	86%
Male	2,733	77%	89%	3,542	81%	91%	1,677	80%	93%	11,750	78%	86%
Race												
Black	1,322	76%	83%	1,583	77%	87%	779	73%	88%	6,224	75%	81%
Hispanic	183	62%	91%	164	73%	94%	64	80%	96%	639	71%	90%
White	1,105	81%	94%	1,688	86%	94%	797	87%	96%	4,462	84%	93%
Other	123	73%	93%	107	84%	85%	37	81%	93%	425	78%	87%
Risk												
MSM	1,938	81%	90%	2,422	84%	92%	1,022	86%	94%	8,379	82%	87%
PWID	77	54%	72%	272	69%	80%	277	63%	89%	660	65%	82%
Heterosexual	195	74%	85%	230	78%	88%	101	76%	84%	640	76%	84%
Other/Unk	523	66%	87%	618	74%	89%	277	77%	92%	2,071	71%	85%
Female	958	78%	83%	856	77%	86%	444	78%	91%	3,309	78%	83%
Race												
Black	681	77%	81%	603	76%	85%	336	77%	90%	2,361	77%	82%
Hispanic	48	70%	84%	32	74%	96%	17	71%	83%	158	72%	85%
White	195	81%	85%	197	81%	89%	74	82%	98%	660	81%	87%
Other	34	85%	97%	24	83%	81%	17	82%	92%	130	84%	85%
Risk												
PWID	111	72%	72%	174	72%	86%	118	68%	92%	445	70%	82%
Heterosexual	702	81%	84%	563	80%	87%	263	82%	91%	2,254	81%	84%
Other/Unk	145	65%	85%	119	70%	84%	63	78%	93%	610	71%	84%
Transgender	17	75%	92%	16	69%	90%	6	.	.	118	73%	76%
Race												
Black	13	75%	100%	11	64%	83%	2	.	.	92	69%	75%
Hispanic	0	.	.	1	.	.	0	.	.	5	.	.
White	2	.	.	4	.	.	4	.	.	17	100%	100%
Other	2	.	.	0	.	.	0	.	.	4	.	.
Risk												
Sex with Male	16	75%	92%	13	69%	89%	6	.	.	111	73%	77%
Other/Unk	1	.	.	3	.	.	0	.	.	7	.	.

Virally suppressed individuals have a better prognosis and are less likely to transmit the virus compared to unsuppressed individuals.

Hispanics and Latinos achieve very high viral suppression rates once in care. However, small proportions (relative to the state average) of the total HIV population receive care.

Black persons and persons 13-39 years old are in care at rates similar to the state average. However, once in care, they achieve viral suppression less often than other races. Those in their 20's have extremely low viral suppression rates.

PWID and Transgender persons have low rates of care and those in care have low viral suppression rates.

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Table 4. Current Residence of Persons Living with HIV in Michigan

Current County of Residence	Estimated Prevalence	Reported HIV Infection			Rate	Census 2014 Estimates
		Non Stage 3	Stage 3	Total		
Total	17,660	7,147	8,033	15,180	153.2	9,909,875
Detroit Metro Area	11,610	4,639	5,335	9,974	234.1	4,260,839
Lapeer Co.	40	16	16	32	36.3	88,153
Macomb Co.	1,180	509	501	1,010	117.4	860,112
Monroe Co.	100	35	47	82	54.7	149,824
Oakland Co.	2,270	946	1,000	1,946	157.2	1,237,868
St. Clair Co.	110	48	43	91	56.8	160,078
Wayne Co. Detroit	5,630	2,152	2,679	4,831	671.8	719,096
Wayne Co. excl Detroit	2,310	933	1,049	1,982	189.5	1,045,708
Out-state	6,020	2,494	2,680	5,174	91.6	5,649,036
Alcona Co.	10	0	1	1	--	10,454
Alger Co.	10	0	2	2	--	9,459
Allegan Co.	110	40	54	94	82.6	113,847
Alpena Co.	20	3	10	13	44.8	28,988
Antrim Co.	20	6	10	16	68.8	23,267
Arenac Co.	10	1	3	4	--	15,353
Baraga Co.	10	1	2	3	--	8,654
Barry Co.	30	9	12	21	35.4	59,281
Bay Co.	90	38	35	73	68.8	106,179
Benzie Co.	10	0	6	6	--	17,519
Berrien Co.	270	99	132	231	148.8	155,233
Branch Co.	30	9	9	18	41.3	43,545
Calhoun Co.	200	83	85	168	124.6	134,878
Cass Co.	20	6	10	16	31.0	51,608
Charlevoix Co.	10	2	5	7	--	26,121
Cheboygan Co.	20	2	8	10	38.9	25,675
Chippewa Co.	20	7	5	12	31.3	38,321
Clare Co.	40	8	18	26	84.8	30,652
Clinton Co.	40	15	16	31	40.1	77,297
Crawford Co.	10	1	1	2	--	13,745
Delta Co.	30	12	8	20	54.7	36,559
Dickinson Co.	10	2	1	3	--	25,957
Eaton Co.	100	40	42	82	75.5	108,579
Emmet Co.	20	9	5	14	42.2	33,204
Genesee Co.	580	253	244	497	120.4	412,895
Gladwin Co.	20	5	7	12	47.2	25,411
Gogebic Co.	10	0	3	3	--	15,737
Grand Traverse Co.	90	37	36	73	80.4	90,782
Gratiot Co.	20	7	7	14	33.6	41,665
Hillsdale Co.	20	6	8	14	30.5	45,830
Houghton Co.	20	5	5	10	27.4	36,495
Huron Co.	10	4	3	7	--	32,065
Ingham Co.	510	208	223	431	151.5	284,582
Ionia Co.	40	11	21	32	49.8	64,294

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Table 4. Current Residence of Persons Living with HIV in Michigan (continued)

Current County of Residence	Estimated Prevalence	Reported HIV Infection			Rate	Census 2014 Estimates
		Non Stage 3	Stage 3	Total		
Out-state (cntd)						
Iosco Co.	20	2	8	10	39.3	25,420
Iron Co.	10	0	1	1	--	11,387
Isabella Co.	70	27	25	52	73.6	70,616
Jackson Co.	210	81	94	175	109.6	159,741
Kalamazoo Co.	420	185	174	359	138.7	258,818
Kalkaska Co.	10	6	1	7	--	17,394
Kent Co.	1,140	468	506	974	154.8	629,237
Keweenaw Co.	0	0	0	0	--	2,217
Lake Co.	20	4	8	12	105.8	11,341
Leelanau Co.	20	1	8	9	--	21,915
Lenawee Co.	60	25	21	46	46.4	99,047
Livingston Co.	100	36	42	78	42.0	185,596
Luce Co.	10	0	1	1	--	6,426
Mackinac Co.	10	3	3	6	--	11,042
Manistee Co.	10	1	5	6	--	24,420
Marquette Co.	50	10	27	37	54.7	67,676
Mason Co.	20	1	11	12	41.6	28,824
Mecosta Co.	20	6	11	17	39.4	43,186
Menominee Co.	10	3	1	4	--	23,714
Midland Co.	40	11	19	30	36.0	83,427
Missaukee Co.	10	2	3	5	--	15,037
Montcalm Co.	40	15	15	30	47.7	62,893
Montmorency Co.	10	0	5	5	--	9,300
Muskegon Co.	190	81	77	158	91.7	172,344
Newaygo Co.	30	10	13	23	48.0	47,900
Oceana Co.	10	3	5	8	--	26,221
Ogemaw Co.	20	5	5	10	47.5	21,039
Ontonagon Co.	10	1	2	3	--	6,172
Osceola Co.	20	6	9	15	64.7	23,169
Oscoda Co.	10	3	1	4	--	8,371
Otsego Co.	20	8	5	13	53.8	24,158
Ottawa Co.	160	65	66	131	47.4	276,292
Presque Isle Co.	10	1	3	4	--	13,004
Roscommon Co.	20	2	13	15	62.6	23,955
Saginaw Co.	290	129	116	245	125.6	195,012
Sanilac Co.	20	10	7	17	40.9	41,587
Schoolcraft Co.	10	0	2	2	--	8,171
Shiawassee Co.	60	19	24	43	62.4	68,933
St. Joseph Co.	50	21	19	40	65.6	60,946
Tuscola Co.	20	6	6	12	22.2	54,000
Van Buren Co.	60	24	25	49	65.2	75,199
Washtenaw Co.	610	278	241	519	145.4	356,874
Wexford Co.	30	6	15	21	63.9	32,886
Prisons	40	13	18	31	N/A	N/A
Unknown	10	1	0	1	N/A	N/A

Prevalence

on January 1, 2016

Table 5. Current Residence and Care and Viral Suppression (VL Supp) Rates of Persons Living with HIV in MI

Current Residence	Count	Care Rate	VL Supp Rate	Current Residence	Count	Care Rate	VL Supp Rate
Total	15,180	78%	86%	Select Counties (cntd)			
DMA	9,974	77%	83%	Roscommon Co.	15	71%	88%
Lapeer Co.	32	69%	90%	Saginaw Co.	245	80%	86%
Macomb Co.	1,010	81%	86%	Sanilac Co.	17	63%	100%
Monroe Co.	82	66%	91%	Shiawassee Co.	43	92%	94%
Oakland Co.	1,946	79%	87%	St. Joseph Co.	40	74%	97%
St. Clair Co.	91	79%	91%	Tuscola Co.	12	50%	100%
Wayne Co. Detroit	4,831	75%	79%	Van Buren Co.	49	81%	92%
Wayne Co. excl Detroit	1,982	80%	87%	Washtenaw Co.	519	83%	91%
				Wexford Co.	21	76%	100%
Outstate	5,174	80%	90%	Prison	31	55%	50%
Select Counties of Current Residence				Select Cities of Current Residence			
Allegan Co.	94	87%	94%	Adrian	27	73%	95%
Alpena Co.	13	92%	100%	Albion	11	91%	89%
Antrim Co.	16	73%	100%	Allen Park	24	78%	100%
Barry Co.	21	89%	100%	Alpena	12	91%	100%
Bay Co.	73	76%	93%	Ann Arbor	181	82%	93%
Berrien Co.	231	71%	81%	Auburn Hills	34	79%	89%
Branch Co.	18	83%	85%	Battle Creek	134	78%	84%
Calhoun Co.	168	79%	87%	Bay City	63	76%	91%
Cass Co.	16	75%	90%	Belleville	71	78%	92%
Cheboygan Co.	10	100%	89%	Benton Harbor	97	84%	75%
Chippewa Co.	12	83%	86%	Berkley	21	70%	79%
Clare Co.	26	88%	81%	Berrien Springs	21	48%	88%
Clinton Co.	31	77%	87%	Big Rapids	13	38%	80%
Delta Co.	20	95%	78%	Birmingham	25	79%	89%
Eaton Co.	82	84%	86%	Bloomfield Hills	48	71%	96%
Emmet Co.	14	71%	80%	Brighton	23	81%	100%
Genesee Co.	497	77%	87%	Brownstown	15	86%	83%
Gladwin Co.	12	67%	100%	Buchanan	14	43%	75%
Grand Traverse Co.	73	75%	94%	Burton	31	82%	100%
Gratiot Co.	14	64%	67%	Cadillac	15	67%	100%
Hillsdale Co.	14	92%	100%	Canton	85	81%	90%
Ingham Co.	431	82%	87%	Cedar Springs	11	80%	100%
Ionia Co.	32	90%	96%	Center Line	23	91%	90%
Iosco Co.	10	90%	88%	Charlotte	14	71%	78%
Isabella Co.	52	80%	97%	Chesterfield	28	81%	95%
Jackson Co.	175	69%	93%	Clarkston	27	67%	89%
Kalamazoo Co.	359	81%	91%	Clawson	11	73%	100%
Kent Co.	974	81%	92%	Clinton Township	132	82%	84%
Lake Co.	12	83%	70%	Coldwater	11	82%	88%
Livingston Co.	46	77%	97%	Commerce Township	16	88%	86%
Macomb Co.	78	82%	95%	Comstock Park	22	91%	78%
Marquette Co.	37	75%	78%	Davison	18	72%	100%
Mason Co.	12	100%	100%	Dearborn	101	78%	88%
Mecosta Co.	17	50%	88%	Dearborn Heights	81	80%	90%
Midland Co.	30	80%	86%	Detroit	4,831	75%	79%
Montcalm Co.	30	79%	83%	Douglas	18	89%	100%
Muskegon Co.	158	82%	93%	East Lansing	37	74%	96%
Newaygo Co.	23	76%	92%	Eastpointe	106	80%	84%
Osceola Co.	15	100%	100%	Ecorse	35	80%	82%
Otsego Co.	13	92%	92%				
Ottawa Co.	131	84%	95%				

↓ Continued on next page

Prevalence

on January 1, 2016

Table 5. Current Residence and Care and Viral Suppression (VL Supp) Rates of Persons Living with HIV in MI

Current Residence	Count	Care Rate	VL Supp Rate	Current Residence	Count	Care Rate	VL Supp Rate
Select Cities (cntd)				Select Cities (cntd)			
Escanaba	14	92%	86%	Muskegon	129	82%	92%
Farmington	24	78%	88%	New Baltimore	11	91%	100%
Farmington Hills	78	70%	78%	Niles	28	50%	100%
Fennville	24	83%	100%	Northville	18	88%	100%
Fenton	15	85%	91%	Norton Shores	12	92%	100%
Ferndale	151	85%	91%	Novi	47	74%	91%
Flat Rock	17	93%	79%	Oak Park	103	83%	80%
Flint	323	76%	83%	Okemos	22	86%	95%
Flushing	14	75%	100%	Owosso	14	83%	100%
Fraser	12	100%	80%	Pinckney	11	82%	89%
Garden City	27	74%	100%	Plymouth	37	63%	91%
Gaylord	12	92%	91%	Pontiac	296	75%	83%
Grand Blanc	35	91%	93%	Port Huron	38	77%	93%
Grand Haven	11	91%	100%	Portage	38	78%	82%
Grand Rapids	739	81%	92%	Redford	143	84%	90%
Grandville	14	83%	100%	River Rouge	44	68%	88%
Grosse Pointe	57	87%	93%	Riverview	14	92%	89%
Gwinn	11	91%	80%	Rochester	52	82%	92%
Hamtramck	78	79%	78%	Rockford	13	92%	100%
Harper Woods	49	87%	85%	Romulus	83	78%	84%
Harrison	15	87%	85%	Roseville	77	78%	84%
Harrison Township	34	84%	85%	Royal Oak	142	83%	91%
Haslett	12	83%	100%	Saginaw	226	79%	86%
Hazel Park	52	79%	89%	Saint Clair Shores	52	84%	85%
Highland Park	253	77%	77%	Saint Joseph	19	79%	92%
Holland	62	78%	91%	Saline	11	91%	100%
Holt	16	87%	83%	Saugatuck	13	92%	91%
Howell	26	79%	89%	Shelby Township	34	84%	100%
Hudsonville	18	94%	100%	South Lyon	16	81%	100%
Inkster	155	72%	79%	Southfield	339	77%	85%
Jackson	137	71%	91%	Southgate	29	82%	100%
Kalamazoo	291	81%	91%	Sparta	14	93%	100%
Kentwood	23	91%	95%	Sterling Heights	96	73%	89%
Lake Orion	17	88%	86%	Swartz Creek	14	71%	70%
Lansing	367	81%	85%	Taylor	121	83%	89%
Lapeer	15	53%	86%	Three Rivers	26	73%	95%
Lathrup Village	21	100%	81%	Traverse City	54	78%	98%
Lincoln Park	55	89%	91%	Trenton	14	85%	91%
Livonia	85	84%	86%	Troy	64	87%	96%
Lowell	12	92%	91%	Warren	269	82%	84%
Ludington	10	100%	100%	Washington Township	11	40%	100%
Macomb	33	87%	85%	Waterford	88	72%	87%
Madison Heights	49	83%	89%	Wayne	40	74%	92%
Marquette	19	61%	86%	West Bloomfield	66	90%	94%
Marshall	13	100%	100%	Westland	165	88%	88%
Melvindale	28	86%	88%	White Lake	17	80%	83%
Midland	23	83%	88%	Wixom	25	71%	88%
Milan	20	78%	79%	Woodhaven	12	100%	82%
Milford	12	100%	82%	Wyandotte	23	86%	100%
Monroe	37	68%	95%	Wyoming	92	76%	92%
Mount Clemens	60	79%	86%	Ypsilanti	280	84%	89%
Mount Morris	26	65%	92%				
Mount Pleasant	43	80%	97%				

New Diagnoses

During 2015

Table 6. Demographic Information on Michigan Residents Newly Diagnosed with HIV

Demographic Group	New HIV Diagnoses			Census 2014 Estimates		New Stage 3	
	Count	% of Total	Rate per 100,000	Count	% of Total	Count	% of HIV Prevalence
Total	735	100%	7.4	9,909,875	100%	340	2%
Race/Ethnicity							
Black	455	62%	33.0	1,379,996	14%	215	2%
Hispanic	43	6%	9.0	476,285	5%	15	2%
White	217	30%	2.9	7,512,721	76%	101	2%
Other	20	3%	3.7	540,873	5%	9	2%
Asian/NH/PI	13	2%	4.6	282,807	3%	4	3%
Am Indian/AN	0	0%	--	56,196	<1%	0	0%
Multi/Other	7	<1%	--	201,870	2%	5	1%
Gender & Race							
Male	596	81%	12.2	4,868,461	49%	260	2%
Black	357	49%	54.5	655,089	7%	154	2%
Hispanic	36	5%	14.9	241,548	2%	13	2%
White	184	25%	5.0	3,707,305	37%	87	2%
Other	19	3%	7.2	264,519	3%	6	1%
Female	130	18%	2.6	5,041,414	51%	76	2%
Black	91	12%	12.6	724,907	7%	57	2%
Hispanic	7	<1%	--	234,737	2%	2	1%
White	31	4%	0.8	3,805,416	38%	14	2%
Other	1	<1%	--	276,354	3%	3	2%
Transgender	9	1%	--	N/A	N/A	4	3%
Black	7	<1%	--	N/A	N/A	4	4%
Hispanic	0	0%	--	N/A	N/A	0	0%
White	2	<1%	--	N/A	N/A	0	0%
Other	0	0%	--	N/A	N/A	0	0%
Risk							
MSM	415	56%	147.0	282,371	3%	164	2%
PWID	20	3%	--	N/A	N/A	19	2%
MSM/PWID	15	2%	--	N/A	N/A	8	1%
Heterosexual	118	16%	--	N/A	N/A	65	2%
Males	33	4%	--	N/A	N/A	12	2%
Females	85	12%	--	N/A	N/A	53	2%
Blood Products	0	0%	--	N/A	N/A	0	0%
Perinatal	1	<1%	--	N/A	N/A	2	1%
Undetermined	166	23%	--	N/A	N/A	82	3%
Age (in years)							
<13	1	<1%	--	892,475	9%	1	1%
13-19	33	4%	3.3	998,816	10%	6	5%
20-24	183	25%	25.0	730,746	7%	35	5%
25-29	136	19%	22.3	608,895	6%	45	3%
30-39	146	20%	12.6	1,158,376	12%	71	3%
40-49	120	16%	9.4	1,282,038	13%	82	2%
50-59	90	12%	6.1	1,469,417	15%	69	2%
60+	26	4%	0.9	2,769,117	28%	31	1%

New stage 3 is not new HIV diagnoses. Individuals diagnosed last year with both HIV and stage 3 are in both categories, with most diagnosed before last year. The % of HIV prevalence is the proportion of that demographic that progressed to stage 3. The denominator is from table 2 (e.g. of PLWH in 2015, 2% progressed to stage 3).

New Diagnoses

During 2015

Table 7. Demographic Information and Linkage to Care Rates for Michigan Residents Newly Diagnosed with HIV

Gender & Race/Risk	Age at HIV Diagnosis														Total Linkage	
	13-19		20-24		25-29		30-39		40-49		50-59		60+			
	Count	Linkage Rate	Count	Linkage Rate	Count	Linkage Rate	Count	Linkage Rate	Count	Linkage Rate	Count	Linkage Rate	Count	Linkage Rate	Count	Linkage Rate
Total	33	27%	183	44%	136	43%	146	47%	120	48%	90	49%	26	31%	735	44%
Male	28	29%	164	46%	110	45%	114	50%	90	47%	72	49%	17	35%	596	46%
Race																
Black	26	31%	131	44%	63	37%	61	49%	33	55%	36	44%	6	.	357	43%
Hispanic	1	.	6	.	3	.	7	.	12	50%	7	.	0	.	36	47%
White	0	.	19	74%	40	58%	41	51%	44	41%	29	55%	11	45%	184	53%
Other	1	.	8	.	4	.	5	.	1	.	0	.	0	.	19	32%
Risk																
MSM	24	25%	138	48%	85	48%	76	49%	53	49%	37	57%	10	30%	423	47%
PWID	0	.	2	.	1	.	2	.	1	.	3	.	0	.	9	.
Heterosexual	1	.	3	.	5	.	7	.	7	.	9	.	1	.	33	42%
Unknown	3	.	21	33%	19	42%	29	45%	29	38%	23	39%	6	.	131	40%
Female	4	.	18	28%	22	32%	30	40%	29	52%	18	50%	9	.	130	39%
Race																
Black	3	.	15	27%	13	15%	19	37%	21	57%	15	47%	5	.	91	36%
Hispanic	0	.	0	.	1	.	4	.	1	.	1	.	0	.	7	.
White	1	.	3	.	7	.	7	.	7	.	2	.	4	.	31	42%
Other	0	.	0	.	1	.	0	.	0	.	0	.	0	.	1	.
Risk																
PWID	0	.	1	.	3	.	3	.	2	.	1	.	1	.	11	36%
Heterosexual	3	.	13	31%	16	25%	20	40%	20	50%	9	.	4	.	85	39%
Unknown	1	.	4	.	3	.	7	.	7	.	8	.	4	.	34	41%
Transgender	1	.	1	.	4	.	2	.	1	.	0	.	0	.	9	.
Race																
Black	1	.	1	.	2	.	2	.	1	.	0	.	0	.	7	.
Hispanic	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.
White	0	.	0	.	2	.	0	.	0	.	0	.	0	.	2	.
Other	0	.	0	.	0	.	0	.	0	.	0	.	0	.	0	.
Risk																
Sex with Male	1	.	1	.	3	.	2	.	0	.	0	.	0	.	7	.
Unknown	0	.	0	.	1	.	0	.	1	.	0	.	0	.	2	.

The linkage rate is the proportion of newly diagnosed individuals that received a CD4, VL, or genotype between 8 days and and 1 month following diagnosis. <13 years of age is not listed due to small sample size- in 2014 1 black male with unknown risk was linked to care.

New Diagnoses

During 2015

Table 8. Residence at Diagnosis for Persons Newly Diagnosed with HIV in Michigan

Local Health Department Jurisdiction of residence at diagnosis	New HIV Diagnoses			Census 2014		New Stage 3 Diagnoses	
	Count	% of Total	Rate per 100,000	Count	%	Count	% of HIV Prevalence
Total	735	100%	7.4	9,909,875	100%	340	2%
Detroit Metro Area	488	66%	11.5	4,260,839	43%	223	2%
Lapeer County	1	<1%	--	88,153	<1%	1	3%
Macomb County	64	9%	7.4	860,112	9%	21	2%
Monroe County	6	<1%	--	149,824	2%	4	5%
Oakland County	84	11%	6.8	1,237,868	12%	28	1%
St Clair County	5	<1%	--	160,078	2%	1	1%
Wayne County, Detroit	238	32%	33.1	719,096	7%	132	3%
Wayne County, excl Detroit	90	12%	8.6	1,045,708	11%	36	2%
Out-state	246	33%	4.4	5,649,036	57%	110	2%
Allegan County	3	<1%	--	113,847	1%	2	2%
Barry-Eaton	8	1%	--	167,853	2%	2	2%
Bay County	1	<1%	--	106,179	1%	0	0%
Benzie-Leelanau	1	<1%	--	39,412	<1%	1	7%
Berrien County	6	<1%	--	155,233	2%	6	3%
Branch-Hillsdale-St. Joseph	2	<1%	--	150,305	2%	1	1%
Calhoun County	6	<1%	--	134,878	1%	2	1%
Central Michigan District	4	<1%	--	189,107	2%	1	1%
Chippewa County	0	0%	--	38,321	<1%	0	0%
Delta-Menominee	1	<1%	--	60,237	<1%	0	0%
Dickinson-Iron	0	0%	--	37,303	<1%	0	0%
District 10	3	<1%	--	260,917	3%	1	1%
District 2	2	<1%	--	65,206	<1%	2	8%
District 4	1	<1%	--	76,885	<1%	2	6%
Genesee County	27	4%	6.5	412,895	4%	11	2%
Grand Traverse County	1	<1%	--	90,782	<1%	1	1%
Huron County	0	0%	--	32,065	<1%	0	0%
Ingham County	15	2%	5.3	284,582	3%	12	3%
Ionia County	2	<1%	--	64,294	<1%	2	6%
Jackson County	15	2%	9.4	159,741	2%	6	3%
Kalamazoo County	18	2%	7.0	258,818	3%	7	2%
Kent County	43	6%	6.8	629,237	6%	17	2%
Lapeer County	2	<1%	--	99,047	<1%	0	0%
Livingston County	7	<1%	--	185,596	2%	3	4%
Luce-Mack-Alger-School	0	0%	--	35,016	<1%	0	0%
Marquette County	3	<1%	--	67,676	<1%	2	5%
Mid-Michigan District	4	<1%	--	181,842	2%	2	3%
Midland County	1	<1%	--	83,427	<1%	1	3%
Muskegon County	6	<1%	--	172,344	2%	2	1%
Northwest MI Com Hlth Agency	1	<1%	--	106,708	1%	0	0%
Ottawa County	10	1%	3.6	276,292	3%	3	2%
Saginaw County	7	<1%	--	195,012	2%	3	1%
Sanilac County	1	<1%	--	41,587	<1%	1	6%
Shiawassee County	5	<1%	--	68,933	<1%	4	9%
Tuscola County	0	0%	--	54,000	<1%	0	0%
Van Buren-Cass	2	<1%	--	126,805	1%	1	2%
Washtenaw County	37	5%	10.4	356,874	4%	12	2%
Western UP District	1	<1%	--	69,200	<1%	0	0%
In Prison	1	<1%	N/A	N/A	N/A	7	N/A

The % of HIV prevalence is the proportion of that demographic that progressed to stage 3. The denominator is from table 2 (e.g. of PLWH in 2015, 2% progressed to stage 3).

New Diagnoses

During 2015

Table 9. Residence at Diagnosis and Linkage to Care Rates for Persons Newly Diagnosed with HIV in Michigan

LHD Jurisdiction of residence at diagnosis	Number of New HIV Diagnoses	Linked in 1 month	Linked After 1 month	Total Ever Linked	Never Linked to Care
Total	735	44%	42%	87%	13%
Detroit Metro Area	488	41%	44%	85%	15%
Out-state	246	51%	38%	89%	11%
Select Counties of Residence at Diagnosis					
Genesee County	27	41%	37%	78%	22%
Ingham County	15	67%	27%	94%	7%
Jackson County	15	60%	33%	93%	7%
Kalamazoo County	18	44%	39%	83%	17%
Kent County	43	70%	21%	91%	9%
Macomb County	64	45%	45%	90%	9%
Oakland County	84	45%	44%	89%	11%
Ottawa County	10	60%	40%	100%	0%
Washtenaw County	37	49%	46%	95%	5%
Wayne County, Detroit	238	36%	47%	83%	17%
Wayne County, excl Detroit	90	44%	38%	82%	18%
Select Cities of Residence at Diagnosis					
Flint	16	31%	31%	62%	38%
Grand Rapids	31	74%	16%	90%	10%
Jackson	12	67%	25%	92%	8%
Kalamazoo	17	41%	41%	82%	18%
Lansing	18	61%	28%	89%	11%
Pontiac	10	50%	30%	80%	20%
Southfield	18	56%	44%	100%	0%
Sterling Heights	10	50%	40%	90%	10%
Taylor	10	50%	40%	90%	10%
Warren	17	29%	59%	88%	12%
Ypsilanti	24	50%	46%	96%	4%

New Perinatal Diagnoses by Birth Year (2011-2015)

Table 10. Number of persons diagnosed and born during the past five years.

Birth year	Confirmed HIV Positive
2011	4
2012	1
2013	0
2014	3
2015	0