



# Annual HIV Prevalence Report, Persons living with HIV December 31, 2019

Data as of July 2020



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## Notes & Key definitions

The HIV Prevalence Report includes diagnosed persons living with HIV (**PLWH**) in Michigan at the end of the given year. When available, census data are used to calculate prevalence rates. To understand the importance of using rates when comparing populations, see our 5 minute [Epidemiology 101 video](#). This report is meant to guide care and prevention strategies by identifying the most affected communities.

**The following measures are displayed in this report:**

| Region or Demographic | Prevalence December 31, 2019 |      |      |                            |       | New diagnoses & HTR, 2019 |     | STD diagnoses among PLWH, 2019 |   |                        |       | Population counts, 2019 (census) |
|-----------------------|------------------------------|------|------|----------------------------|-------|---------------------------|-----|--------------------------------|---|------------------------|-------|----------------------------------|
|                       | PLWH at any Stage (0-3)      |      | MI % | Last CD4 signifies Stage 3 |       | count                     | HTR | Syphilis                       |   | Gonorrhea or Chlamydia |       |                                  |
|                       | count                        | rate |      |                            | count |                           |     | prev %                         |   |                        | count | prev %                           |
| Group X               | A                            | B    | C    | D                          | E     | F                         | G   | H                              | I | J                      | K     | L                                |

**Prevalence December 31** includes persons living with HIV in the given region (Michigan, DMA, or Detroit LHD jurisdiction) as of December 31 of the given year.

**PLWH at any Stage (0-3)** refers to the total prevalence.

**count (A):** The number of persons in Group X living with HIV at the end of the year.

**rate (B):** The prevalence rate per 100,000 persons in Group X (count/population x 100,000, i.e. A/L x 100,000).

**MI %, DMA %, or DLHD % (C):** Of all PLWH in the given region (Michigan, DMA, or Detroit LHD jurisdiction) at the year end, the percent who are in Group X (i.e. column percent). For example, in the statewide report, this column is the count (A)/total PLWH in Michigan; in the DMA report it is the count (A)/total PLWH in the DMA.

**Last CD4 signifies Stage 3** is a subset of the total prevalence. Stage 3, formerly known as AIDS, is most commonly defined by a CD4 count <200 or CD4 percent <14% if count is not available. Stage 3 is also recognized with a physician diagnosis of an opportunistic infection.

**count (D):** The number of persons living with HIV in Group X whose last known stage was Stage 3 (subset of A).

**prev % (E):** Of the total number of PLWH in Group X, the percent whose last known stage was Stage 3. (D/A x 100).

### **New diagnoses & HTR**

**count (F):** Number of new diagnoses among residents of the given region (Michigan, DMA, or Detroit LHD jurisdiction) during the given year. This is not a subset of prevalence count, as new diagnoses includes persons who moved or died before the year end.

**HTR (G):** HIV Transmission Rate (HTR) measures the number of diagnosed transmissions that occurred per 100 PLWH. It is most frequently calculated as new diagnoses (F)/reported prevalence (A) x 100. See the following page for more detail.

**STD diagnoses among PLWH** includes PLWH diagnosed with an STD during the given year. STD diagnosis must occur after HIV diagnosis.

#### **Syphilis**

**count (H):** The number of persons living with HIV in Group X diagnosed with Syphilis during the given year (subset of A).

**prev % (I):** Of the total number of PLWH in group X, the percent diagnosed with Syphilis during the given year. (H/A x 100).

#### **Gonorrhea or Chlamydia**

**count (J):** The number of persons living with HIV in Group X diagnosed with Gonorrhea and/or Chlamydia during the given year (subset of A).

**prev % (K):** Of the total number of PLWH in group X, the percent diagnosed with Gonorrhea and/or Chlamydia during the given year. (J/A x 100).

**Population counts (census) (L):** The total population (census) of Group X the same year. The population of men who have sex with men (MSM) is estimated at 5.8% of Michigan's adult male population<sup>1</sup>.

<sup>1</sup>Lieb S, et al. (2011) Statewide Estimation of Racial/Ethnic Populations of Men Who Have Sex with Men in the U.S. ASPH Public Health Reports vol 126 pg. 60-72

**Estimation of undiagnosed PLWH**

Using the CDC Back Calculation method it is estimated that in 2017, 12.4% of PLWH were unaware of their HIV status (a.k.a. undiagnosed). This estimate is displayed in, "The HIV Epidemic in Michigan, 1981 - present" on page 2. An alternate method developed by CDC (the CD4 depletion method) provides prevalence estimates for sex, age, race, and select transmission categories. While these estimates are less reliable due to assumption violations (and therefore not reported), they do provide insight into the relative proportion of undiagnosed PLWH. Compared to the statewide proportion, it is estimated Latinx PLWH are less likely to be diagnosed. Likewise, younger groups of PLWH have higher undiagnosed estimates. Females (sex at birth) are more likely to be diagnosed compared to the general population.

**HIV Transmission Rate (HTR)**

The HIV Transmission Rate (HTR) measures the number of diagnosed transmissions that occurred per 100 PLWH. This measure may help identify which communities have higher or lower new diagnosis rates than expected. Everything held equal (risk behavior, care access, etc.) HTR's would be the same in every community, every year (the number of new diagnoses would only be affected by the number of PLWH). Communities with high prevalence rates would have high new diagnosis rates solely because individuals in that community are more likely to encounter someone living with HIV and vice versa. However, other factors such as risk behavior, testing, and care access are not equal and affect transmission and new diagnosis rates. High HTR's are an indication of differing underlying factors in a community.

Unless a different denominator is specified below,  $HTR = \text{number of new diagnoses in a population} / \text{reported prevalence of that population} \times 100$ . From the previous page,  $HTR = F/A \times 100$ . The HTR assumes all transmissions occur within like geographic or demographic groups. Based on analyses of HIV strains in Michigan, this assumption is valid for most populations. However HTR's should be interpreted with caution - especially for small geographic regions such as cities, and small demographic groups with somewhat arbitrary categorizations. For example, the HTR for 15-19 year olds is calculated as new diagnoses among 15-19 year olds/prevalence among 15-19 year olds x 100. An alternate, and perhaps more accurate calculation, is new diagnoses among 15-19 year olds/prevalence among 15-24 or 15-29 year olds x 100. For clarity and consistency these small adjustments are not calculated.

The denominator of the HTR is altered, however, when the calculated HTR within a group does not make any practical sense (see the table of numerators and denominators below). For example, it does not make sense to calculate the HTR for new diagnoses among heterosexual women out of all heterosexual women - HIV is not transmitted within the group. Therefore, the denominator for heterosexual women is all men living with HIV. When no denominator can contribute to a meaningful HTR calculation, "N/A" is displayed. HTR is marked as, "Not calculated" when new diagnosis information is not available for that stratum.

HTR is calculated as number of new diagnoses among the group of interest/denominator for HTR x 100 for the following:

**Group of interest**

Male, Female, or Transgender  
Black/AA males or females  
Latinx males or females  
White males or females  
Multi/other males or females

When risk is "Sex w men"

When risk is "PWID"

When risk is "Sex w men & PWID"

When risk is "Sex w women"

When risk is "Perinatal or Pediatric"

**Denominator for HTR**

All PLWH in region (MI, DMA, Detroit LHD)

All Black/AA PLWH in region (MI, DMA, Detroit LHD)

All Latinx PLWH in region (MI, DMA, Detroit LHD)

All white PLWH in region (MI, DMA, Detroit LHD)

All multi/other PLWH in region (MI, DMA, Detroit LHD)

All male PLWH in region (MI, DMA, Detroit LHD)

All PWID and MSM/PWID living with HIV in region (MI, DMA, Detroit LHD)

All males and non-male PWID living with HIV in region (MI, DMA, Detroit LHD)

All female PLWH in region (MI, DMA, Detroit LHD)

All female PLWH between 15 and 49 years old in region (MI, DMA, Detroit LHD)



# The State of Michigan

Residents of Michigan living with HIV December 31, 2019

# The HIV Epidemic in Michigan, 1981 - present

| Year | New diagnoses |                  |                                | Year end prevalence <sup>3</sup> |                          | All-cause deaths<br>HIV as<br>underlying<br>cause <sup>4</sup> |     | Last CD4<br>Stage 3 <sup>5</sup><br>% of<br>prevalence |
|------|---------------|------------------|--------------------------------|----------------------------------|--------------------------|--|-----|--|
|      | Count         | HTR <sup>1</sup> | Late<br>diagnosis <sup>2</sup> | Reported                         | Estimated<br>undiagnosed | Count  |     |  |
| 1981 | 3             | --               | 100%                           | 1                                | --                       | 2  | --  | --   |
| 1982 | 3             | 100.0            | 67%                            | 3                                | --                       | 1  | --  | --   |
| 1983 | 30            | 111.1            | 73%                            | 27                               | --                       | 6  | --  | --   |
| 1984 | 73            | 94.8             | 68%                            | 77                               | --                       | 23   | --  | --   |
| 1985 | 399           | 99.8             | 24%                            | 400                              | --                       | 76   | --  | --   |
| 1986 | 498           | 63.9             | 29%                            | 779                              | --                       | 119  | --  | --   |
| 1987 | 736           | 56.4             | 41%                            | 1,305                            | --                       | 210  | 73% | --   |
| 1988 | 907           | 47.4             | 50%                            | 1,915                            | --                       | 297  | 70% | --   |
| 1989 | 1,309         | 46.7             | 46%                            | 2,804                            | --                       | 420  | 77% | --   |
| 1990 | 1,465         | 38.6             | 45%                            | 3,793                            | --                       | 476  | 71% | --   |
| 1991 | 1,448         | 31.0             | 45%                            | 4,678                            | --                       | 563  | 74% | --   |
| 1992 | 1,525         | 27.7             | 40%                            | 5,496                            | --                       | 707  | 73% | --   |
| 1993 | 1,303         | 22.0             | 40%                            | 5,920                            | --                       | 879  | 76% | --   |
| 1994 | 1,236         | 20.0             | 42%                            | 6,177                            | --                       | 979  | 79% | --   |
| 1995 | 1,197         | 18.8             | 44%                            | 6,354                            | --                       | 1,020  | 80% | --   |
| 1996 | 1,129         | 16.7             | 39%                            | 6,772                            | --                       | 711  | 73% | --   |
| 1997 | 1,045         | 14.3             | 36%                            | 7,319                            | --                       | 498  | 63% | --   |
| 1998 | 906           | 11.6             | 38%                            | 7,800                            | --                       | 425  | 63% | --   |
| 1999 | 729           | 9.0              | 40%                            | 8,120                            | --                       | 409  | 59% | --   |
| 2000 | 910           | 10.6             | 36%                            | 8,614                            | --                       | 416  | 61% | --   |
| 2001 | 858           | 9.5              | 37%                            | 9,035                            | --                       | 437  | 61% | --   |
| 2002 | 751           | 8.0              | 34%                            | 9,365                            | --                       | 421  | 57% | --   |
| 2003 | 842           | 8.6              | 37%                            | 9,794                            | --                       | 413  | 57% | --   |
| 2004 | 870           | 8.5              | 33%                            | 10,277                           | --                       | 387  | 58% | --   |
| 2005 | 879           | 8.2              | 34%                            | 10,767                           | --                       | 389  | 59% | --   |
| 2006 | 781           | 7.0              | 30%                            | 11,174                           | --                       | 374  | 52% | --   |
| 2007 | 785           | 6.8              | 29%                            | 11,597                           | --                       | 362  | 54% | --   |
| 2008 | 774           | 6.5              | 27%                            | 11,995                           | --                       | 376  | 53% | --   |
| 2009 | 803           | 6.4              | 24%                            | 12,491                           | --                       | 307  | 49% | --   |
| 2010 | 764           | 5.9              | 28%                            | 12,944                           | --                       | 311  | 49% | --   |
| 2011 | 773           | 5.8              | 24%                            | 13,401                           | --                       | 316  | 42% | --   |
| 2012 | 793           | 5.7              | 22%                            | 13,850                           | --                       | 344  | 43% | --   |
| 2013 | 749           | 5.2              | 27%                            | 14,301                           | --                       | 298  | 43% | --   |
| 2014 | 782           | 5.3              | 22%                            | 14,845                           | 15.1%                    | 296  | 37% | 12%  |
| 2015 | 724           | 5.0              | 21%                            | 14,355                           | 15.0%                    | 317  | 37% | 10%  |
| 2016 | 736           | 4.7              | 23%                            | 15,525                           | 13.3%                    | 295  | 34% | 10%  |
| 2017 | 769           | 4.9              | 19%                            | 15,819                           | 12.4%                    | 306  | 31% | 9%   |
| 2018 | 708           | 4.4              | 23%                            | 16,163                           | data delayed             | 341  | 24% | 9%   |
| 2019 | 665           | 3.9              | 22%                            | 16,967                           | 2 yrs                    | data delayed 1 yr  |     | 8%   |

<sup>1</sup>HIV Transmission Rate (HTR) measures the number of transmissions that occurred per 100 PLWH each year (new diagnoses/reported yr end prevalence x 100). <sup>2</sup>Late diagnosis: Stage 3 within 90 days of initial HIV diagnosis. <sup>3</sup>Until 2014, prevalence is calculated as previous year prevalence plus new diagnoses minus deaths. Beginning in 2014, prevalence is based on current address. Estimated undiagnosed is calculated using CDC's Back Calculation method and is dependent on accurate current address. <sup>4</sup>Based on death certificate ICD codes (may be underreported). <sup>5</sup>Subet of year end prevalence. Only measured after current address is consistently available (2014).

# Michigan HIV Prevalence December 31, 2019: Geographic Stratification

Last reported address before year end unless otherwise specified

| Region  | Prevalence December 31, 2019 |       |        |                            |        | New diagnoses & HTR, 2019 |     | STD diagnoses among PLWH, 2019 |        |                        |        | Population counts, 2019 (census) |
|---|------------------------------|-------|--------|----------------------------|--------|---------------------------|-----|--------------------------------|--------|------------------------|--------|----------------------------------|
|   | count                        | rate  | MI %   | count                      | prev % | count                     | HTR | Syphilis                       |        | Gonorrhea or Chlamydia |        |                                  |
|   |                              |       |        | Last CD4 signifies Stage 3 |        |                           |     | count                          | prev % | count                  | prev % |                                  |
| Michigan  | 16,967                       | 169.9 | 100.0% | 1,426                      | 8.4%   | 665                       | 3.9 | 578                            | 3.4%   | 900                    | 5.3%   | 9,986,857                        |
| DMA <sup>1</sup>                                  | 10,787                       | 252.1 | 63.6%  | 995                        | 9.2%   | 430                       | 4.0 | 431                            | 4.0%   | 723                    | 6.7%   | 4,278,134                        |
| Outstate <sup>2</sup>                             | 5,860                        | 102.6 | 34.5%  | 410                        | 7.0%   | 228                       | 3.9 | 143                            | 2.4%   | 172                    | 2.9%   | 5,708,723                        |
| Prison <sup>3</sup>                               | 318                          | N/A   | 1.9%   | 21                         | 6.6%   | 7                         | N/A | 4                              | 1.3%   | 5                      | 1.6%   | No data                          |
| <b>Prison History<sup>4</sup></b>                 |                              |       |        |                            |        |                           |     |                                |        |                        |        |                                  |
| Any prison during 2019                            | 351                          | N/A   | 2.1%   | 28                         | 8.0%   | Not calculated            |     | 7                              | 2.0%   | 11                     | 3.1%   | No data                          |
| Any prison reported since HIV diagnosis           | 1,149                        | N/A   | 6.8%   | 138                        | 12.0%  | Not calculated            |     | 40                             | 3.5%   | 56                     | 4.9%   | No data                          |
| <b>Local Health Department (LHD) Jurisdiction</b> |                              |       |        |                            |        |                           |     |                                |        |                        |        |                                  |
| Allegan Co.                                       | 130                          | 110.1 | 0.8%   | 9                          | 6.9%   | 3                         | 2.3 | 1                              | 0.8%   | 7                      | 5.4%   | 118,081                          |
| Barry-Eaton                                       | 117                          | 68.1  | 0.7%   | 8                          | 6.8%   | 4                         | 3.4 | 4                              | 3.4%   | 4                      | 3.4%   | 171,818                          |
| Berrien Co.                                       | 236                          | 153.8 | 1.4%   | 20                         | 8.5%   | 2                         | 0.8 | 4                              | 1.7%   | 5                      | 2.1%   | 153,401                          |
| Branch-Hillsdale-St. Joseph                       | 82                           | 54.6  | 0.5%   | 7                          | 8.5%   | 3                         | 3.7 | 3                              | 3.7%   | 1                      | 1.2%   | 150,086                          |
| Calhoun Co.                                       | 199                          | 148.3 | 1.2%   | 13                         | 6.5%   | 10                        | 5.0 | 5                              | 2.5%   | 3                      | 1.5%   | 134,159                          |
| Central Michigan <sup>5</sup>                     | 729                          | 60.5  | 4.3%   | 40                         | 5.5%   | 29                        | 4.0 | 10                             | 1.4%   | 6                      | 0.8%   | 1,204,916                        |
| Detroit LHD <sup>6</sup>                          | 5,328                        | 696.3 | 31.4%  | 596                        | 11.2%  | 208                       | 3.9 | 234                            | 4.4%   | 434                    | 8.1%   | 765,192                          |
| Genesee Co.                                       | 588                          | 144.9 | 3.5%   | 52                         | 8.8%   | 32                        | 5.4 | 17                             | 2.9%   | 14                     | 2.4%   | 405,813                          |
| Huron Co.   | 7                            | 22.6  | <0.1%  | 0                          | 0.0%   | 0                         | 0.0 | 0                              | 0.0%   | 0                      | 0.0%   | 30,981                           |
| Ingham Co.  | 471                          | 161.1 | 2.8%   | 46                         | 9.8%   | 16                        | 3.4 | 23                             | 4.9%   | 16                     | 3.4%   | 292,406                          |
| Ionia Co.   | 36                           | 55.6  | 0.2%   | 3                          | 8.3%   | 2                         | 5.6 | 0                              | 0.0%   | 0                      | 0.0%   | 64,697                           |
| Jackson Co.                                       | 168                          | 106.0 | 1.0%   | 8                          | 4.8%   | 4                         | 2.4 | 3                              | 1.8%   | 4                      | 2.4%   | 158,510                          |
| Kalamazoo Co.                                     | 405                          | 152.8 | 2.4%   | 37                         | 9.1%   | 27                        | 6.7 | 13                             | 3.2%   | 25                     | 6.2%   | 265,066                          |
| Kent Co.  | 1,077                        | 163.9 | 6.3%   | 76                         | 7.1%   | 41                        | 3.8 | 20                             | 1.9%   | 22                     | 2.0%   | 656,955                          |
| Lapeer Co.  | 47                           | 53.6  | 0.3%   | 4                          | 8.5%   | 2                         | 4.3 | 2                              | 4.3%   | 0                      | 0.0%   | 87,607                           |

LHD Jurisdictions continued on next page

<sup>1</sup>Detroit Metro Area (DMA) includes Lapeer, Macomb, Monroe, Oakland, St. Clair, and Wayne Counties. Prisons are excluded. <sup>2</sup>Outstate includes Michigan residents outside the DMA. Prisons are excluded. <sup>3</sup>Persons in prisons (state or federal) located in Michigan. Reported separately for geographic stratification. <sup>4</sup>Prison History is not restricted to last reported address. <sup>5</sup>Central Michigan LHD includes all otherwise unlisted counties in the lower peninsula. <sup>6</sup>Detroit LHD includes the cities of Detroit, Hamtramck, Harper Woods, Highland Park, & the Grosse Pointes. Detroit, under "select cities", includes only residents of the city of Detroit.

# Michigan HIV Prevalence December 31, 2019: Geographic Stratification

Last reported address before year end unless otherwise specified

| Region   | Prevalence December 31, 2019 |       |       |                            |        | New diagnoses & HTR, 2019 |     | STD diagnoses among PLWH, 2019 |      |                        |        | Population counts, 2019 (census) |
|--|------------------------------|-------|-------|----------------------------|--------|---------------------------|-----|--------------------------------|------|------------------------|--------|----------------------------------|
|  | PLWH at any Stage (0-3)      |       | MI %  | Last CD4 signifies Stage 3 |        | count                     | HTR | Syphilis                       |      | Gonorrhea or Chlamydia |        |                                  |
|  | count                        | rate  |       | count                      | prev % |                           |     | count                          | HTR  | count                  | prev % | count                            |
| <b>Local Health Department (LHD) Jurisdiction</b> , continued from previous page |                              |       |       |                            |        |                           |     |                                |      |                        |        |                                  |
| Lenawee Co.  | 56                           | 56.9  | 0.3%  | 5                          | 8.9%   | 2                         | 3.6 | 0                              | 0.0% | 0                      | 0.0%   | 98,451                           |
| Livingston Co.   | 99                           | 51.6  | 0.6%  | 6                          | 6.1%   | 6                         | 6.1 | 2                              | 2.0% | 1                      | 1.0%   | 191,995                          |
| Macomb Co.   | 1,283                        | 146.8 | 7.6%  | 102                        | 8.0%   | 55                        | 4.3 | 50                             | 3.9% | 75                     | 5.8%   | 873,972                          |
| Marquette <sup>1</sup>   | 151                          | 50.5  | 0.9%  | 16                         | 10.6%  | 6                         | 4.0 | 4                              | 2.6% | 2                      | 1.3%   | 298,851                          |
| Monroe Co.   | 106                          | 70.4  | 0.6%  | 12                         | 11.3%  | 4                         | 3.8 | 0                              | 0.0% | 4                      | 3.8%   | 150,500                          |
| Muskegon Co.   | 182                          | 104.9 | 1.1%  | 13                         | 7.1%   | 4                         | 2.2 | 1                              | 0.5% | 3                      | 1.6%   | 173,566                          |
| Oakland Co.  | 2,165                        | 172.2 | 12.8% | 153                        | 7.1%   | 77                        | 3.6 | 82                             | 3.8% | 121                    | 5.6%   | 1,257,584                        |
| Ottawa Co.   | 149                          | 51.1  | 0.9%  | 8                          | 5.4%   | 9                         | 6.0 | 2                              | 1.3% | 2                      | 1.3%   | 291,830                          |
| Saginaw Co.  | 260                          | 136.5 | 1.5%  | 12                         | 4.6%   | 5                         | 1.9 | 7                              | 2.7% | 23                     | 8.8%   | 190,539                          |
| Sanilac Co.  | 23                           | 55.9  | 0.1%  | 2                          | 8.7%   | 0                         | 0.0 | 1                              | 4.3% | 0                      | 0.0%   | 41,170                           |
| Shiawassee Co.   | 48                           | 70.5  | 0.3%  | 3                          | 6.3%   | 1                         | 2.1 | 1                              | 2.1% | 0                      | 0.0%   | 68,122                           |
| St. Clair Co.  | 108                          | 67.9  | 0.6%  | 15                         | 13.9%  | 7                         | 6.5 | 2                              | 1.9% | 0                      | 0.0%   | 159,128                          |
| Tuscola Co.  | 13                           | 24.9  | <0.1% | 1                          | 7.7%   | 0                         | 0.0 | 0                              | 0.0% | 0                      | 0.0%   | 52,245                           |
| Van Buren-Cass   | 79                           | 62.0  | 0.5%  | 5                          | 6.3%   | 1                         | 1.3 | 3                              | 3.8% | 4                      | 5.1%   | 127,464                          |
| Washtenaw Co.  | 555                          | 151.0 | 3.3%  | 20                         | 3.6%   | 21                        | 3.8 | 19                             | 3.4% | 30                     | 5.4%   | 367,601                          |
| Wayne Co. LHD  | 1,750                        | 177.8 | 10.3% | 113                        | 6.5%   | 77                        | 4.4 | 61                             | 3.5% | 89                     | 5.1%   | 984,151                          |
| <b>Metropolitan Statistical Areas (MSA's)<sup>2</sup></b>                        |                              |       |       |                            |        |                           |     |                                |      |                        |        |                                  |
| Ann Arbor  | 555                          | 151.0 | 3.3%  | 20                         | 3.6%   | 21                        | 3.8 | 19                             | 3.4% | 30                     | 5.4%   | 367,601                          |
| Battle Creek   | 199                          | 148.3 | 1.2%  | 13                         | 6.5%   | 10                        | 5.0 | 5                              | 2.5% | 3                      | 1.5%   | 134,159                          |
| Bay City   | 81                           | 78.5  | 0.5%  | 5                          | 6.2%   | 3                         | 3.7 | 1                              | 1.2% | 2                      | 2.5%   | 103,126                          |
| Detroit-Warren-Dearborn  | 10,780                       | 249.6 | 63.5% | 989                        | 9.2%   | 432                       | 4.0 | 433                            | 4.0% | 720                    | 6.7%   | 4,319,629                        |
| Flint  | 588                          | 144.9 | 3.5%  | 52                         | 8.8%   | 32                        | 5.4 | 17                             | 2.9% | 14                     | 2.4%   | 405,813                          |
| Grand Rapids-Wyoming   | 1,276                        | 118.8 | 7.5%  | 86                         | 6.7%   | 51                        | 4.0 | 22                             | 1.7% | 24                     | 1.9%   | 1,074,223                        |
| Jackson  | 168                          | 106.0 | 1.0%  | 8                          | 4.8%   | 4                         | 2.4 | 3                              | 1.8% | 4                      | 2.4%   | 158,510                          |
| Kalamazoo-Portage  | 464                          | 136.2 | 2.7%  | 41                         | 8.8%   | 27                        | 5.8 | 15                             | 3.2% | 27                     | 5.8%   | 340,743                          |
| Lansing-E Lansing  | 609                          | 126.3 | 3.6%  | 53                         | 8.7%   | 22                        | 3.6 | 28                             | 4.6% | 21                     | 3.4%   | 482,269                          |
| Midland  | 41                           | 49.3  | 0.2%  | 3                          | 7.3%   | 2                         | 4.9 | 1                              | 2.4% | 0                      | 0.0%   | 83,156                           |

MSA's continued on next page

<sup>1</sup>Marquette LHD includes the entire upper peninsula. <sup>2</sup>MSA designations: [https://www2.census.gov/geo/maps/metroarea/stcbsa\\_pg/Feb2013/cbsa2013\\_MI.pdf](https://www2.census.gov/geo/maps/metroarea/stcbsa_pg/Feb2013/cbsa2013_MI.pdf)



# Michigan HIV Prevalence December 31, 2019: Geographic Stratification

Last reported address before year end unless otherwise specified

| Region  | Prevalence December 31, 2019 |         |       |                            |        | New diagnoses & HTR, 2019 |     | STD diagnoses among PLWH, 2019 |      |                        |        | Population counts, 2019 (census) |           |
|---|------------------------------|---------|-------|----------------------------|--------|---------------------------|-----|--------------------------------|------|------------------------|--------|----------------------------------|-----------|
|   | PLWH at any Stage (0-3)      |         | MI %  | Last CD4 signifies Stage 3 |        | count                     | HTR | Syphilis                       |      | Gonorrhea or Chlamydia |        |                                  |           |
|   | count                        | rate    |       | count                      | prev % |                           |     | count                          | HTR  | count                  | prev % | count                            | prev %    |
| <b>Metropolitan Statistical Areas (MSA's)<sup>1</sup>, continued from previous page</b> |                              |         |       |                            |        |                           |     |                                |      |                        |        |                                  |           |
| Monroe  | 106                          | 70.4    | 0.6%  | 12                         | 11.3%  | 4                         | 3.8 | 0                              | 0.0% | 0                      | 4      | 3.8%                             | 150,500   |
| Muskegon  | 182                          | 104.9   | 1.1%  | 13                         | 7.1%   | 4                         | 2.2 | 1                              | 0.5% | 0                      | 3      | 1.6%                             | 173,566   |
| Niles-Benton Harbor   | 236                          | 153.8   | 1.4%  | 20                         | 8.5%   | 2                         | 0.8 | 4                              | 1.7% | 0                      | 5      | 2.1%                             | 153,401   |
| Saginaw   | 260                          | 136.5   | 1.5%  | 12                         | 4.6%   | 5                         | 1.9 | 7                              | 2.7% | 0                      | 23     | 8.8%                             | 190,539   |
| Micropolitan Area   | 671                          | 62.8    | 4.0%  | 50                         | 7.5%   | 31                        | 4.6 | 10                             | 1.5% | 0                      | 11     | 1.6%                             | 1,067,953 |
| Rural   | 431                          | 55.1    | 2.5%  | 28                         | 6.5%   | 8                         | 1.9 | 8                              | 1.9% | 0                      | 4      | 0.9%                             | 781,669   |
| <b>Select Cities: Top 20 Michigan cities with largest HIV counts</b>                    |                              |         |       |                            |        |                           |     |                                |      |                        |        |                                  |           |
| Ann Arbor   | 219                          | 175.9   | 1.3%  | 3                          | 1.4%   | 8                         | 3.7 | 5                              | 2.3% |                        | 13     | 5.9%                             | 124,500   |
| Battle Creek  | 149                          | 291.6   | 0.9%  | 9                          | 6.0%   | 7                         | 4.7 | 4                              | 2.7% |                        | 3      | 2.0%                             | 51,093    |
| Clinton Township  | 168                          | 167.2   | 1.0%  | 11                         | 6.5%   | 8                         | 4.8 | 12                             | 7.1% |                        | 8      | 4.8%                             | 100,471   |
| Detroit   | 4,904                        | 731.9   | 28.9% | 548                        | 11.2%  | 197                       | 4.0 | 217                            | 4.4% |                        | 412    | 8.4%                             | 670,031   |
| Eastpointe  | 149                          | 464.4   | 0.9%  | 12                         | 8.1%   | 10                        | 6.7 | 6                              | 4.0% |                        | 13     | 8.7%                             | 32,081    |
| Flint   | 402                          | 319.3   | 2.4%  | 39                         | 9.7%   | 19                        | 4.7 | 11                             | 2.7% |                        | 11     | 2.7%                             | 125,895   |
| Grand Rapids  | 817                          | 371.8   | 4.8%  | 63                         | 7.7%   | 36                        | 4.4 | 13                             | 1.6% |                        | 17     | 2.1%                             | 219,735   |
| Highland Park   | 203                          | 1,884.0 | 1.2%  | 31                         | 15.3%  | 5                         | 2.5 | 3                              | 1.5% |                        | 10     | 4.9%                             | 10,775    |
| Inkster   | 165                          | 679.5   | 1.0%  | 12                         | 7.3%   | 10                        | 6.1 | 2                              | 1.2% |                        | 9      | 5.5%                             | 24,284    |
| Kalamazoo   | 316                          | 319.7   | 1.9%  | 31                         | 9.8%   | 23                        | 7.3 | 13                             | 4.1% |                        | 21     | 6.6%                             | 98,851    |
| Lansing   | 416                          | 329.0   | 2.5%  | 39                         | 9.4%   | 13                        | 3.1 | 23                             | 5.5% |                        | 17     | 4.1%                             | 126,457   |
| Muskegon  | 154                          | 282.2   | 0.9%  | 9                          | 5.8%   | 4                         | 2.6 | 1                              | 0.6% |                        | 2      | 1.3%                             | 54,565    |
| Pontiac   | 337                          | 567.0   | 2.0%  | 41                         | 12.2%  | 16                        | 4.7 | 11                             | 3.3% |                        | 23     | 6.8%                             | 59,438    |
| Redford   | 182                          | 389.9   | 1.1%  | 8                          | 4.4%   | 5                         | 2.7 | 10                             | 5.5% |                        | 13     | 7.1%                             | 46,674    |
| Royal Oak   | 149                          | 241.5   | 0.9%  | 8                          | 5.4%   | 4                         | 2.7 | 11                             | 7.4% |                        | 9      | 6.0%                             | 61,695    |
| Saginaw   | 239                          | 273.9   | 1.4%  | 12                         | 5.0%   | 4                         | 1.7 | 7                              | 2.9% |                        | 21     | 8.8%                             | 87,265    |
| Southfield  | 403                          | 460.8   | 2.4%  | 23                         | 5.7%   | 12                        | 3.0 | 18                             | 4.5% |                        | 33     | 8.2%                             | 87,448    |
| Warren  | 334                          | 249.4   | 2.0%  | 27                         | 8.1%   | 10                        | 3.0 | 16                             | 4.8% |                        | 29     | 8.7%                             | 133,943   |
| Westland  | 196                          | 240.5   | 1.2%  | 15                         | 7.7%   | 10                        | 5.1 | 5                              | 2.6% |                        | 9      | 4.6%                             | 81,511    |
| Ypsilanti   | 297                          | 394.0   | 1.8%  | 16                         | 5.4%   | 11                        | 3.7 | 13                             | 4.4% |                        | 16     | 5.4%                             | 75,387    |

<sup>1</sup> MSA designations: [https://www2.census.gov/geo/maps/metroarea/stcbsa\\_pg/Feb2013/cbsa2013\\_MI.pdf](https://www2.census.gov/geo/maps/metroarea/stcbsa_pg/Feb2013/cbsa2013_MI.pdf)

# Michigan HIV Prevalence December 31, 2019: Demographic Stratification

| Demographic  | Prevalence December 31, 2019 |         |       |                            |        | New diagnoses & HTR, 2019 |      | STD diagnoses among PLWH, 2019 |      |                        |        | Population counts, 2019 (census) |
|--|------------------------------|---------|-------|----------------------------|--------|---------------------------|------|--------------------------------|------|------------------------|--------|----------------------------------|
|  | PLWH at any Stage (0-3)      |         |       | Last CD4 signifies Stage 3 |        | count                     | HTR  | Syphilis                       |      | Gonorrhea or Chlamydia |        |                                  |
| Sex at birth   | count                        | rate    | MI %  | count                      | prev % |                           |      |                                |      | count                  | prev % | count                            |
| Male   | 13,464                       | 273.7   | 79.4% | 1,093                      | 8.1%   | 556                       | 3.3  | 572                            | 4.2% | 834                    | 6.2%   | 4,918,528                        |
| Female   | 3,503                        | 69.1    | 20.6% | 333                        | 9.5%   | 109                       | 0.6  | 6                              | 0.2% | 66                     | 1.9%   | 5,068,329                        |
| Transgender <sup>1</sup>                                       | 245                          | N/A     | 1.4%  | 25                         | 10.2%  | 16                        | 0.1  | 20                             | 8.2% | 25                     | 10.2%  | No data                          |
| <b>Race &amp; Latinx ethnicity by sex at birth<sup>2</sup></b> |                              |         |       |                            |        |                           |      |                                |      |                        |        |                                  |
| Black/AA overall   | 9,430                        | 647.3   | 55.6% | 921                        | 9.8%   | 384                       | 4.1  | 358                            | 3.8% | 684                    | 7.3%   | 1,456,845                        |
| Black/AA males   | 7,017                        | 1,012.9 | 41.4% | 668                        | 9.5%   | 316                       | 3.4  | 352                            | 5.0% | 638                    | 9.1%   | 692,778                          |
| Black/AA females   | 2,413                        | 315.8   | 14.2% | 253                        | 10.5%  | 68                        | 0.7  | 6                              | 0.2% | 46                     | 1.9%   | 764,067                          |
| Latinx overall   | 1,026                        | 194.2   | 6.0%  | 87                         | 8.5%   | 52                        | 5.1  | 33                             | 3.2% | 35                     | 3.4%   | 528,205                          |
| Latinx males   | 840                          | 313.0   | 5.0%  | 72                         | 8.6%   | 48                        | 4.7  | 33                             | 3.9% | 31                     | 3.7%   | 268,329                          |
| Latinx females   | 186                          | 71.6    | 1.1%  | 15                         | 8.1%   | 4                         | 0.4  | 0                              | 0.0% | 4                      | 2.2%   | 259,876                          |
| White overall  | 5,810                        | 76.7    | 34.2% | 376                        | 6.5%   | 215                       | 3.7  | 155                            | 2.7% | 145                    | 2.5%   | 7,571,102                        |
| White males  | 5,062                        | 135.2   | 29.8% | 322                        | 6.4%   | 181                       | 3.1  | 155                            | 3.1% | 134                    | 2.6%   | 3,744,787                        |
| White females  | 748                          | 19.5    | 4.4%  | 54                         | 7.2%   | 34                        | 0.6  | 0                              | 0.0% | 11                     | 1.5%   | 3,826,315                        |
| Multi/other overall  | 696                          | 161.6   | 4.1%  | 42                         | 6.0%   | 14                        | 2.0  | 32                             | 4.6% | 36                     | 5.2%   | 430,705                          |
| Multi/other males  | 541                          | 254.4   | 3.2%  | 31                         | 5.7%   | 11                        | 1.6  | 32                             | 5.9% | 31                     | 5.7%   | 212,634                          |
| Multi/other females  | 155                          | 71.1    | 0.9%  | 11                         | 7.1%   | 3                         | 0.4  | 0                              | 0.0% | 5                      | 3.2%   | 218,071                          |
| <b>Other ethnicity and country of birth</b>                    |                              |         |       |                            |        |                           |      |                                |      |                        |        |                                  |
| Arab/Mid E descent <sup>3</sup>                                | 87                           | N/A     | 0.5%  | 2                          | 2.3%   | 9                         | 10.3 | 3                              | 3.4% | 7                      | 8.0%   | No data                          |
| Foreign born   | 1,002                        | N/A     | 5.9%  | 82                         | 8.2%   | 35                        | N/A  | 15                             | 1.5% | 11                     | 1.1%   | No data                          |
| <b>Age at year end</b>   |                              |         |       |                            |        |                           |      |                                |      |                        |        |                                  |
| 00-14  | 80                           | 4.5     | 0.5%  | 0                          | 0.0%   | 0                         | 0.0  | 0                              | 0.0% | 0                      | 0.0%   | 1,763,131                        |
| 15-19  | 105                          | 16.3    | 0.6%  | 2                          | 1.9%   | 43                        | 41.0 | 6                              | 5.7% | 24                     | 22.9%  | 644,559                          |
| 20-29  | 2,195                        | 159.1   | 12.9% | 137                        | 6.2%   | 268                       | 12.2 | 165                            | 7.5% | 358                    | 16.3%  | 1,379,577                        |
| 30-39  | 3,493                        | 287.9   | 20.6% | 294                        | 8.4%   | 179                       | 5.1  | 210                            | 6.0% | 298                    | 8.5%   | 1,213,131                        |
| 40-49  | 3,401                        | 288.4   | 20.0% | 331                        | 9.7%   | 90                        | 2.6  | 98                             | 2.9% | 119                    | 3.5%   | 1,179,375                        |
| 50-59  | 4,688                        | 347.2   | 27.6% | 404                        | 8.6%   | 58                        | 1.2  | 73                             | 1.6% | 84                     | 1.8%   | 1,350,299                        |
| 60+  | 3,005                        | 122.3   | 17.7% | 258                        | 8.6%   | 27                        | 0.9  | 26                             | 0.9% | 17                     | 0.6%   | 2,456,785                        |

<sup>1</sup>Transgender persons are also included in the sex at birth categories. <sup>2</sup>Black/AA, White, & Multi/Other are non-Latinx, Latinx persons may be of any race but are only included in the Latinx group. Persons with unknown race are excluded: 4 males & 1 female. <sup>3</sup>Persons of Arab/Middle Eastern descent may be of any race and are not excluded from the race categories.

# Michigan HIV Prevalence December 31, 2019: Demographic Stratification

| Demographic   | Prevalence December 31, 2019 |          |       |       |        | New diagnoses & HTR, 2019 |      | STD diagnoses among PLWH, 2019 |                 |                              |                               | Population counts, 2019 (census) |
|---|------------------------------|----------|-------|-------|--------|---------------------------|------|--------------------------------|-----------------|------------------------------|-------------------------------|----------------------------------|
|   | count                        | rate     | MI %  | count | prev % | count                     | HTR  | Syphilis count                 | Syphilis prev % | Gonorrhea or Chlamydia count | Gonorrhea or Chlamydia prev % |                                  |
| <b>HIV transmission risk by gender<sup>1</sup></b>                                      |                              |          |       |       |        |                           |      |                                |                 |                              |                               |                                  |
| Sex w men   | 11,947                       | N/A      | 70.4% | 843   | 7.1%   | 458                       | 3.4  | 513                            | 4.3%            | 761                          | 6.4%                          | No data                          |
| Cis men   | 9,212                        | N/A      | 54.3% | 604   | 6.6%   | 357                       | 2.7  | 489                            | 5.3%            | 686                          | 7.4%                          | No data                          |
| Cis women   | 2,514                        | N/A      | 14.8% | 216   | 8.6%   | 85                        | 0.6  | 4                              | 0.2%            | 50                           | 2.0%                          | No data                          |
| Transgender   | 219                          | N/A      | 1.3%  | 23    | 10.5%  | 14                        | 0.1  | 20                             | 9.1%            | 25                           | 11.4%                         | No data                          |
| PWID  | 949                          | N/A      | 5.6%  | 160   | 16.9%  | 22                        | 1.4  | 6                              | 0.6%            | 11                           | 1.2%                          | No data                          |
| Cis men   | 538                          | N/A      | 3.2%  | 85    | 15.8%  | 13                        | 0.8  | 4                              | 0.7%            | 6                            | 1.1%                          | No data                          |
| Cis women   | 411                          | N/A      | 2.4%  | 75    | 18.2%  | 9                         | 0.6  | 2                              | 0.5%            | 5                            | 1.2%                          | No data                          |
| Transgender   | 0                            | N/A      | 0.0%  | 0     | N/A    | 0                         | 0.0  | 0                              | N/A             | 0                            | N/A                           | No data                          |
| Sex w men & PWID  | 655                          | N/A      | 3.9%  | 59    | 9.0%   | 16                        | 0.1  | 35                             | 5.3%            | 31                           | 4.7%                          | No data                          |
| Cis men   | 637                          | N/A      | 3.8%  | 57    | 8.9%   | 14                        | 0.1  | 35                             | 5.5%            | 31                           | 4.9%                          | No data                          |
| Transgender   | 18                           | N/A      | 0.1%  | 2     | 11.1%  | 2                         | <0.1 | 0                              | 0.0%            | 0                            | 0.0%                          | No data                          |
| Sex w women   | 725                          | N/A      | 4.3%  | 101   | 13.9%  | 24                        | 0.7  | 1                              | 0.1%            | 21                           | 2.9%                          | No data                          |
| Cis men   | 724                          | N/A      | 4.3%  | 101   | 14.0%  | 24                        | 0.7  | 1                              | 0.1%            | 21                           | 2.9%                          | No data                          |
| Transgender   | 1                            | N/A      | <0.1% | 0     | 0.0%   | 0                         | 0.0  | 0                              | 0.0%            | 0                            | 0.0%                          | No data                          |
| Perinatal or Pediatric  | 253                          | N/A      | 1.5%  | 23    | 9.1%   | 0                         | 0.0  | 1                              | 0.4%            | 12                           | 4.7%                          | No data                          |
| Cis men   | 137                          | N/A      | 0.8%  | 14    | 10.2%  | 0                         | 0.0  | 1                              | 0.7%            | 6                            | 4.4%                          | No data                          |
| Cis women   | 116                          | N/A      | 0.7%  | 9     | 7.8%   | 0                         | 0.0  | 0                              | 0.0%            | 6                            | 5.2%                          | No data                          |
| Transgender   | 0                            | N/A      | 0.0%  | 0     | N/A    | 0                         | 0.0  | 0                              | N/A             | 0                            | N/A                           | No data                          |
| Other risk  | 41                           | N/A      | 0.2%  | 5     | 12.2%  | 0                         | N/A  | 0                              | 0.0%            | 0                            | 0.0%                          | No data                          |
| Unknown risk  | 2,397                        | N/A      | 14.1% | 235   | 9.8%   | 145                       | N/A  | 22                             | 0.9%            | 64                           | 2.7%                          | No data                          |
| <b>Special populations</b>  |                              |          |       |       |        |                           |      |                                |                 |                              |                               |                                  |
| MSM & MSM/PWID  | 9,851                        | 3,453.2  | 58.1% | 662   | 6.7%   | 371                       | 3.8  | 524                            | 5.3%            | 717                          | 7.3%                          | 285,275                          |
| 15-29 yr old Black/AA men   | 1,191                        | 11,710.2 | 7.0%  | 64    | 5.4%   | 148                       | 12.4 | 123                            | 10.3%           | 269                          | 22.6%                         | 10,171                           |
| PWID & MSM/PWID   | 1,605                        | N/A      | 9.5%  | 219   | 13.6%  | 38                        | 2.4  | 41                             | 2.6%            | 42                           | 2.6%                          | No data                          |
| 15-29 yr olds   | 73                           | N/A      | 0.4%  | 2     | 2.7%   | 13                        | 17.8 | 9                              | 12.3%           | 7                            | 9.6%                          | No data                          |
| Young (15-29 yr old) Black/AA men (YBM) compared to other youth and those 30+ years old |                              |          |       |       |        |                           |      |                                |                 |                              |                               |                                  |
| YBM   | 1,389                        | 792.1    | 8.2%  | 81    | 5.8%   | 182                       | 13.1 | 127                            | 9.1%            | 291                          | 21.0%                         | 175,355                          |
| Other youth 15-29   | 911                          | 49.3     | 5.4%  | 58    | 6.4%   | 129                       | 14.2 | 44                             | 4.8%            | 91                           | 10.0%                         | 1,848,781                        |
| 30+ yrs old   | 14,587                       | 235.3    | 86.0% | 1,287 | 8.8%   | 354                       | 2.4  | 407                            | 2.8%            | 518                          | 3.6%                          | 6,199,590                        |

<sup>1</sup>Risk/Gender Notes: PWID (persons who inject drugs). MSM (men who have sex with men). For additional risk details see [HIV Transmission Risk Category Definitions](#).



# The Detroit Metro Area

Residents of the Detroit Metro Area (DMA) living with HIV December 31, 2019

(DMA: Lapeer, Macomb, Monroe, Oakland, St. Clair, & Wayne Counties)

Includes persons in prisons located in the DMA

# DMA HIV Prevalence December 31, 2019: Geographic Stratification

Last reported address before year end unless otherwise specified

| Region  | Prevalence December 31, 2019 |         |        |                            |        | New diagnoses & HTR, 2019 |     | STD diagnoses among PLWH, 2019 |        |                        |        | Population counts, 2019 (census) |
|---|------------------------------|---------|--------|----------------------------|--------|---------------------------|-----|--------------------------------|--------|------------------------|--------|----------------------------------|
|   | PLWH at any Stage (0-3)      |         |        | Last CD4 signifies Stage 3 |        | count                     | HTR | Syphilis                       |        | Gonorrhea or Chlamydia |        |                                  |
|   | count                        | rate    | MI %   | count                      | prev % |                           |     | count                          | prev % | count                  | prev % |                                  |
| DMA including prisons   | 10,837                       | 252.1   | 100.0% | 998                        | 9.2%   | 430                       | 4.0 | 433                            | 4.0%   | 724                    | 6.7%   | 4,278,134                        |
| DMA <sup>1</sup>  | 10,787                       | 252.1   | 100.0% | 995                        | 9.2%   | 430                       | 4.0 | 431                            | 4.0%   | 723                    | 6.7%   | 4,278,134                        |
| Prison <sup>2</sup>   | 50                           | N/A     | 0.5%   | 3                          | 6.0%   | 0                         | N/A | 2                              | 4.0%   | 1                      | 2.0%   | No data                          |
| <b>Prison History<sup>3</sup></b>                               |                              |         |        |                            |        |                           |     |                                |        |                        |        |                                  |
| Any prison during 2019  | 80                           | N/A     | 0.7%   | 11                         | 13.8%  | Not calculated            |     | 4                              | 5.0%   | 4                      | 5.0%   | No data                          |
| Any prison reported since HIV diagnosis                         | 652                          | N/A     | 6.0%   | 94                         | 14.4%  | Not calculated            |     | 30                             | 4.6%   | 41                     | 6.3%   | No data                          |
| <b>Local Health Department (LHD) Jurisdiction</b>               |                              |         |        |                            |        |                           |     |                                |        |                        |        |                                  |
| Detroit LHD <sup>4</sup>  | 5,328                        | 696.3   | 31.4%  | 596                        | 11.2%  | 208                       | 3.9 | 234                            | 4.4%   | 434                    | 8.1%   | 765,192                          |
| Lapeer Co.  | 47                           | 53.6    | 0.3%   | 4                          | 8.5%   | 2                         | 4.3 | 2                              | 4.3%   | 0                      | 0.0%   | 87,607                           |
| Macomb Co.  | 1,283                        | 146.8   | 7.6%   | 102                        | 8.0%   | 55                        | 4.3 | 50                             | 3.9%   | 75                     | 5.8%   | 873,972                          |
| Monroe Co.  | 106                          | 70.4    | 0.6%   | 12                         | 11.3%  | 4                         | 3.8 | 0                              | 0.0%   | 4                      | 3.8%   | 150,500                          |
| Oakland Co.   | 2,165                        | 172.2   | 12.8%  | 153                        | 7.1%   | 77                        | 3.6 | 82                             | 3.8%   | 121                    | 5.6%   | 1,257,584                        |
| St. Clair Co.   | 108                          | 67.9    | 0.6%   | 15                         | 13.9%  | 7                         | 6.5 | 2                              | 1.9%   | 0                      | 0.0%   | 159,128                          |
| Wayne Co. LHD   | 1,750                        | 177.8   | 10.3%  | 113                        | 6.5%   | 77                        | 4.4 | 61                             | 3.5%   | 89                     | 5.1%   | 984,151                          |
| <b>Select Cities: Top 20 DMA cities with largest HIV counts</b> |                              |         |        |                            |        |                           |     |                                |        |                        |        |                                  |
| Canton  | 97                           | 103.5   | 0.9%   | 7                          | 7.2%   | 7                         | 7.2 | 0                              | 0.0%   | 2                      | 2.1%   | 93,704                           |
| Clinton Township  | 168                          | 167.2   | 1.6%   | 11                         | 6.5%   | 8                         | 4.8 | 12                             | 7.1%   | 8                      | 4.8%   | 100,471                          |
| Dearborn  | 99                           | 105.4   | 0.9%   | 8                          | 8.1%   | 9                         | 9.1 | 2                              | 2.0%   | 7                      | 7.1%   | 93,932                           |
| Detroit   | 4,904                        | 731.9   | 45.5%  | 548                        | 11.2%  | 197                       | 4.0 | 217                            | 4.4%   | 412                    | 8.4%   | 670,031                          |
| Eastpointe  | 149                          | 464.4   | 1.4%   | 12                         | 8.1%   | 10                        | 6.7 | 6                              | 4.0%   | 13                     | 8.7%   | 32,081                           |
| Farmington Hills  | 102                          | 126.5   | 0.9%   | 5                          | 4.9%   | 2                         | 2.0 | 4                              | 3.9%   | 2                      | 2.0%   | 80,612                           |
| Ferndale  | 140                          | 698.8   | 1.3%   | 9                          | 6.4%   | 3                         | 2.1 | 5                              | 3.6%   | 7                      | 5.0%   | 20,033                           |
| Highland Park   | 203                          | 1,884.0 | 1.9%   | 31                         | 15.3%  | 5                         | 2.5 | 3                              | 1.5%   | 10                     | 4.9%   | 10,775                           |

Cities continued on next page

<sup>1</sup>Detroit Metro Area (DMA) includes Lapeer, Macomb, Monroe, Oakland, St. Clair, and Wayne Counties. Prisons are excluded. <sup>2</sup>Persons in prisons (state or federal) located in the DMA. Reported separately for geographic stratification. <sup>3</sup>Prison History is not restricted to last reported address. <sup>4</sup>Detroit LHD includes the cities of Detroit, Hamtramck, Harper Woods, Highland Park, & the Grosse Pointes. Detroit, under "select cities", includes only residents of the city of Detroit.

# DMA HIV Prevalence December 31, 2019: Geographic Stratification

Last reported address before year end unless otherwise specified

| Region   | Prevalence December 31, 2019 |       |      |                            |        | New diagnoses & HTR, 2019 |     | STD diagnoses among PLWH, 2019 |      |                        |        | Population counts, 2019 (census) |
|--|------------------------------|-------|------|----------------------------|--------|---------------------------|-----|--------------------------------|------|------------------------|--------|----------------------------------|
|  | PLWH at any Stage (0-3)      |       |      | Last CD4 signifies Stage 3 |        | count                     | HTR | Syphilis                       |      | Gonorrhea or Chlamydia |        |                                  |
|  | count                        | rate  | MI % | count                      | prev % |                           |     |                                |      | count                  | prev % | count                            |
| <b>Select Cities, continued from previous page</b> |                              |       |      |                            |        |                           |     |                                |      |                        |        |                                  |
| Inkster  | 165                          | 679.5 | 1.5% | 12                         | 7.3%   | 10                        | 6.1 | 2                              | 1.2% | 9                      | 5.5%   | 24,284                           |
| Oak Park   | 119                          | 404.3 | 1.1% | 8                          | 6.7%   | 6                         | 5.0 | 5                              | 4.2% | 9                      | 7.6%   | 29,431                           |
| Pontiac  | 337                          | 567.0 | 3.1% | 41                         | 12.2%  | 16                        | 4.7 | 11                             | 3.3% | 23                     | 6.8%   | 59,438                           |
| Redford  | 182                          | 389.9 | 1.7% | 8                          | 4.4%   | 5                         | 2.7 | 10                             | 5.5% | 13                     | 7.1%   | 46,674                           |
| Roseville  | 118                          | 251.0 | 1.1% | 7                          | 5.9%   | 7                         | 5.9 | 1                              | 0.8% | 5                      | 4.2%   | 47,018                           |
| Royal Oak  | 149                          | 241.5 | 1.4% | 8                          | 5.4%   | 4                         | 2.7 | 11                             | 7.4% | 9                      | 6.0%   | 61,695                           |
| Southfield   | 403                          | 460.8 | 3.7% | 23                         | 5.7%   | 12                        | 3.0 | 18                             | 4.5% | 33                     | 8.2%   | 87,448                           |
| Sterling Heights                                   | 107                          | 80.8  | 1.0% | 8                          | 7.5%   | 5                         | 4.7 | 3                              | 2.8% | 7                      | 6.5%   | 132,438                          |
| Taylor   | 140                          | 229.8 | 1.3% | 4                          | 2.9%   | 6                         | 4.3 | 7                              | 5.0% | 6                      | 4.3%   | 60,922                           |
| Warren   | 334                          | 249.4 | 3.1% | 27                         | 8.1%   | 10                        | 3.0 | 16                             | 4.8% | 29                     | 8.7%   | 133,943                          |
| Waterford  | 101                          | 139.1 | 0.9% | 6                          | 5.9%   | 9                         | 8.9 | 1                              | 1.0% | 5                      | 5.0%   | 72,631                           |
| Westland   | 196                          | 240.5 | 1.8% | 15                         | 7.7%   | 10                        | 5.1 | 5                              | 2.6% | 9                      | 4.6%   | 81,511                           |

# DMA HIV Prevalence December 31, 2019: Demographic Stratification

| Demographic  | Prevalence December 31, 2019 |         |       |                            |        | New diagnoses & HTR, 2019 |      | STD diagnoses among PLWH, 2019 |      |                        |        | Population counts, 2019 (census) |
|--|------------------------------|---------|-------|----------------------------|--------|---------------------------|------|--------------------------------|------|------------------------|--------|----------------------------------|
|  | PLWH at any Stage (0-3)      |         |       | Last CD4 signifies Stage 3 |        | count                     | HTR  | Syphilis                       |      | Gonorrhea or Chlamydia |        |                                  |
| Sex at birth   | count                        | rate    | MI %  | count                      | prev % |                           |      |                                |      | count                  | prev % | count                            |
| Male   | 8,557                        | 410.9   | 79.3% | 753                        | 8.8%   | 361                       | 3.3  | 427                            | 5.0% | 667                    | 7.8%   | 2,082,678                        |
| Female   | 2,280                        | 103.9   | 21.1% | 245                        | 10.7%  | 69                        | 0.6  | 6                              | 0.3% | 57                     | 2.5%   | 2,195,456                        |
| Transgender <sup>1</sup>                                       | 181                          | N/A     | 1.7%  | 22                         | 12.2%  | 14                        | 0.1  | 16                             | 8.8% | 22                     | 12.2%  | No data                          |
| <b>Race &amp; Latinx ethnicity by sex at birth<sup>2</sup></b> |                              |         |       |                            |        |                           |      |                                |      |                        |        |                                  |
| Black/AA overall   | 7,287                        | 735.2   | 67.6% | 744                        | 10.2%  | 284                       | 3.9  | 304                            | 4.2% | 596                    | 8.2%   | 991,169                          |
| Black/AA males   | 5,495                        | 1,205.4 | 50.9% | 545                        | 9.9%   | 233                       | 3.2  | 298                            | 5.4% | 551                    | 10.0%  | 455,855                          |
| Black/AA females   | 1,792                        | 334.8   | 16.6% | 199                        | 11.1%  | 51                        | 0.7  | 6                              | 0.3% | 45                     | 2.5%   | 535,314                          |
| Latinx overall   | 495                          | 245.8   | 4.6%  | 42                         | 8.5%   | 24                        | 4.8  | 22                             | 4.4% | 20                     | 4.0%   | 201,424                          |
| Latinx males   | 402                          | 395.1   | 3.7%  | 33                         | 8.2%   | 24                        | 4.8  | 22                             | 5.5% | 16                     | 4.0%   | 101,736                          |
| Latinx females   | 93                           | 93.3    | 0.9%  | 9                          | 9.7%   | 0                         | 0.0  | 0                              | 0.0% | 4                      | 4.3%   | 99,688                           |
| White overall  | 2,658                        | 93.3    | 24.6% | 185                        | 7.0%   | 113                       | 4.3  | 87                             | 3.3% | 83                     | 3.1%   | 2,850,290                        |
| White males  | 2,339                        | 166.2   | 21.7% | 156                        | 6.7%   | 96                        | 3.6  | 87                             | 3.7% | 78                     | 3.3%   | 1,407,683                        |
| White females  | 319                          | 22.1    | 3.0%  | 29                         | 9.1%   | 17                        | 0.6  | 0                              | 0.0% | 5                      | 1.6%   | 1,442,607                        |
| Multi/other overall  | 392                          | 166.6   | 3.6%  | 27                         | 6.9%   | 9                         | 2.3  | 20                             | 5.1% | 25                     | 6.4%   | 235,251                          |
| Multi/other males  | 317                          | 270.0   | 2.9%  | 19                         | 6.0%   | 8                         | 2.0  | 20                             | 6.3% | 22                     | 6.9%   | 117,404                          |
| Multi/other females  | 75                           | 63.6    | 0.7%  | 8                          | 10.7%  | 1                         | 0.3  | 0                              | 0.0% | 3                      | 4.0%   | 117,847                          |
| <b>Other ethnicity and country of birth</b>                    |                              |         |       |                            |        |                           |      |                                |      |                        |        |                                  |
| Arab/Mid E descent <sup>3</sup>                                | 77                           | N/A     | 0.7%  | 2                          | 2.6%   | 8                         | 10.4 | 2                              | 2.6% | 5                      | 6.5%   | No data                          |
| Foreign born   | 382                          | N/A     | 3.5%  | 30                         | 7.9%   | 13                        | N/A  | 8                              | 2.1% | 5                      | 1.3%   | No data                          |
| <b>Age at year end</b>   |                              |         |       |                            |        |                           |      |                                |      |                        |        |                                  |
| 00-14  | 22                           | 2.9     | 0.2%  | 0                          | 0.0%   | 0                         | 0.0  | 0                              | 0.0% | 0                      | 0.0%   | 769,266                          |
| 15-19  | 63                           | 24.0    | 0.6%  | 1                          | 1.6%   | 34                        | 54.0 | 5                              | 7.9% | 24                     | 38.1%  | 262,004                          |
| 20-29  | 1,546                        | 270.9   | 14.3% | 105                        | 6.8%   | 176                       | 11.4 | 131                            | 8.5% | 294                    | 19.0%  | 570,677                          |
| 30-39  | 2,348                        | 440.8   | 21.8% | 213                        | 9.1%   | 122                       | 5.2  | 153                            | 6.5% | 240                    | 10.2%  | 532,715                          |
| 40-49  | 2,122                        | 399.8   | 19.7% | 234                        | 11.0%  | 51                        | 2.4  | 68                             | 3.2% | 90                     | 4.2%   | 530,805                          |
| 50-59  | 2,836                        | 474.9   | 26.3% | 259                        | 9.1%   | 37                        | 1.3  | 58                             | 2.0% | 64                     | 2.3%   | 597,211                          |
| 60+  | 1,900                        | 187.1   | 17.6% | 186                        | 9.8%   | 10                        | 0.5  | 18                             | 0.9% | 12                     | 0.6%   | 1,015,456                        |

<sup>1</sup>Transgender persons are also included in the sex at birth categories. <sup>2</sup>Black/AA, White, & Multi/Other are non-Latinx, Latinx persons may be of any race but are only included in the Latinx group. Persons with unknown race are excluded: 4 males & 1 female. <sup>3</sup>Persons of Arab/Middle Eastern descent may be of any race and are not excluded from the race categories.

# DMA HIV Prevalence December 31, 2019: Demographic Stratification

| Demographic   | Prevalence December 31, 2019 |          |       |       |        | New diagnoses & HTR, 2019 |      | STD diagnoses among PLWH, 2019 |                 |                              |                               | Population counts, 2019 (census) |
|---|------------------------------|----------|-------|-------|--------|---------------------------|------|--------------------------------|-----------------|------------------------------|-------------------------------|----------------------------------|
|   | count                        | rate     | MI %  | count | prev % | count                     | HTR  | Syphilis count                 | Syphilis prev % | Gonorrhea or Chlamydia count | Gonorrhea or Chlamydia prev % |                                  |
| <b>HIV transmission risk by gender<sup>1</sup></b>                                      |                              |          |       |       |        |                           |      |                                |                 |                              |                               |                                  |
| Sex w men   | 7,672                        | N/A      | 71.1% | 590   | 7.7%   | 290                       | 3.4  | 391                            | 5.1%            | 617                          | 8.0%                          | No data                          |
| Cis men   | 5,886                        | N/A      | 54.6% | 419   | 7.1%   | 224                       | 2.6  | 371                            | 6.3%            | 552                          | 9.4%                          | No data                          |
| Cis women   | 1,622                        | N/A      | 15.0% | 151   | 9.3%   | 53                        | 0.6  | 4                              | 0.2%            | 43                           | 2.7%                          | No data                          |
| Transgender   | 164                          | N/A      | 1.5%  | 20    | 12.2%  | 13                        | 0.2  | 16                             | 9.8%            | 22                           | 13.4%                         | No data                          |
| PWID  | 641                          | N/A      | 5.9%  | 121   | 18.9%  | 15                        | 1.5  | 5                              | 0.8%            | 9                            | 1.4%                          | No data                          |
| Cis men   | 352                          | N/A      | 3.3%  | 60    | 17.0%  | 9                         | 0.9  | 3                              | 0.9%            | 5                            | 1.4%                          | No data                          |
| Cis women   | 289                          | N/A      | 2.7%  | 61    | 21.1%  | 6                         | 0.6  | 2                              | 0.7%            | 4                            | 1.4%                          | No data                          |
| Transgender   | 0                            | N/A      | 0.0%  | 0     | N/A    | 0                         | 0.0  | 0                              | N/A             | 0                            | N/A                           | No data                          |
| Sex w men & PWID  | 358                          | N/A      | 3.3%  | 38    | 10.6%  | 5                         | <0.1 | 18                             | 5.0%            | 24                           | 6.7%                          | No data                          |
| Cis men   | 348                          | N/A      | 3.2%  | 36    | 10.3%  | 4                         | <0.1 | 18                             | 5.2%            | 24                           | 6.9%                          | No data                          |
| Transgender   | 10                           | N/A      | <0.1% | 2     | 20.0%  | 1                         | <0.1 | 0                              | 0.0%            | 0                            | 0.0%                          | No data                          |
| Sex w women   | 432                          | N/A      | 4.0%  | 59    | 13.7%  | 12                        | 0.5  | 1                              | 0.2%            | 17                           | 3.9%                          | No data                          |
| Cis men   | 431                          | N/A      | 4.0%  | 59    | 13.7%  | 12                        | 0.5  | 1                              | 0.2%            | 17                           | 3.9%                          | No data                          |
| Transgender   | 1                            | N/A      | <0.1% | 0     | 0.0%   | 0                         | 0.0  | 0                              | 0.0%            | 0                            | 0.0%                          | No data                          |
| Perinatal or Pediatric  | 106                          | N/A      | 1.0%  | 19    | 17.9%  | 0                         | 0.0  | 0                              | 0.0%            | 8                            | 7.5%                          | No data                          |
| Cis men   | 61                           | N/A      | 0.6%  | 11    | 18.0%  | 0                         | 0.0  | 0                              | 0.0%            | 3                            | 4.9%                          | No data                          |
| Cis women   | 45                           | N/A      | 0.4%  | 8     | 17.8%  | 0                         | 0.0  | 0                              | 0.0%            | 5                            | 11.1%                         | No data                          |
| Transgender   | 0                            | N/A      | 0.0%  | 0     | N/A    | 0                         | 0.0  | 0                              | N/A             | 0                            | N/A                           | No data                          |
| Other risk  | 18                           | N/A      | 0.2%  | 4     | 22.2%  | 0                         | N/A  | 0                              | 0.0%            | 0                            | 0.0%                          | No data                          |
| Unknown risk  | 1,610                        | N/A      | 14.9% | 167   | 10.4%  | 108                       | N/A  | 18                             | 1.1%            | 49                           | 3.0%                          | No data                          |
| <b>Special populations</b>  |                              |          |       |       |        |                           |      |                                |                 |                              |                               |                                  |
| MSM & MSM/PWID  | 6,235                        | 5,161.6  | 57.8% | 456   | 7.3%   | 228                       | 3.7  | 389                            | 6.2%            | 576                          | 9.2%                          | 120,795                          |
| 15-29 yr old Black/AA men   | 939                          | 14,899.4 | 8.7%  | 52    | 5.5%   | 104                       | 11.1 | 102                            | 10.9%           | 233                          | 24.8%                         | 6,302                            |
| PWID & MSM/PWID   | 999                          | N/A      | 9.3%  | 159   | 15.9%  | 20                        | 2.0  | 23                             | 2.3%            | 33                           | 3.3%                          | No data                          |
| 15-29 yr olds   | 43                           | N/A      | 0.4%  | 1     | 2.3%   | 6                         | 14.0 | 5                              | 11.6%           | 6                            | 14.0%                         | No data                          |
| Young (15-29 yr old) Black/AA men (YBM) compared to other youth and those 30+ years old |                              |          |       |       |        |                           |      |                                |                 |                              |                               |                                  |
| YBM   | 1,078                        | 992.1    | 10.0% | 67    | 6.2%   | 132                       | 12.2 | 106                            | 9.8%            | 247                          | 22.9%                         | 108,660                          |
| Other youth 15-29   | 531                          | 73.3     | 4.9%  | 39    | 7.3%   | 78                        | 14.7 | 30                             | 5.6%            | 71                           | 13.4%                         | 724,021                          |
| 30+ yrs old   | 9,206                        | 344.0    | 85.3% | 892   | 9.7%   | 220                       | 2.4  | 297                            | 3.2%            | 406                          | 4.4%                          | 2,676,187                        |

<sup>1</sup>Risk/Gender Notes: PWID (persons who inject drugs). MSM (men who have sex with men). For additional risk details see [HIV Transmission Risk Category Definitions](#).





# Detroit LHD Jurisdiction

Residents of the Detroit Health Department's Jurisdiction living with HIV December 31, 2019

(Detroit LHD: Detroit Hamtramck, Harper Woods, Highland Park, & the Grosse Pointes)

Includes persons in prisons located in the Detroit LHD Jurisdiction

# Detroit LHD HIV Prevalence December 31, 2019: Geographic Stratification

Last reported address before year end unless otherwise specified

| Region                                  | Prevalence December 31, 2019 |         |        |                            |        | New diagnoses & HTR, 2019 |     | STD diagnoses among PLWH, 2019 |      |                        |        | Population counts, 2019 (census) |
|---|------------------------------|---------|--------|----------------------------|--------|---------------------------|-----|--------------------------------|------|------------------------|--------|----------------------------------|
|   | PLWH at any Stage (0-3)      |         |        | Last CD4 signifies Stage 3 |        | count                     | HTR | Syphilis                       |      | Gonorrhea or Chlamydia |        |                                  |
|   | count                        | rate    | MI %   | count                      | prev % |                           |     |                                |      | count                  | prev % | count                            |
| Detroit LHD incl prisons                | 5,356                        | 696.3   | 100.0% | 598                        | 11.2%  | 208                       | 3.9 | 235                            | 4.4% | 434                    | 8.1%   | 765,192                          |
| Detroit LHD <sup>1</sup>                | 5,328                        | 696.3   | 100.0% | 596                        | 11.2%  | 208                       | 3.9 | 234                            | 4.4% | 434                    | 8.1%   | 765,192                          |
| Prison <sup>2</sup>                     | 28                           | N/A     | 0.5%   | 2                          | 7.1%   | 0                         | N/A | 1                              | 3.6% | 0                      | 0.0%   | No data                          |
| <b>Prison History<sup>3</sup></b>       |                              |         |        |                            |        |                           |     |                                |      |                        |        |                                  |
| Any prison during 2019                  | 42                           | N/A     | 0.8%   | 8                          | 19.0%  | Not calculated            |     | 2                              | 4.8% | 1                      | 2.4%   | No data                          |
| Any prison reported since HIV diagnosis | 422                          | N/A     | 7.9%   | 64                         | 15.2%  | Not calculated            |     | 21                             | 5.0% | 28                     | 6.6%   | No data                          |
| <b>Cities</b>                           |                              |         |        |                            |        |                           |     |                                |      |                        |        |                                  |
| Detroit                                 | 4,904                        | 731.9   | 92.0%  | 548                        | 11.2%  | 197                       | 4.0 | 217                            | 4.4% | 412                    | 8.4%   | 670,031                          |
| Grosse Pointes                          | 65                           | 159.9   | 1.2%   | 4                          | 6.2%   | 0                         | 0.0 | 4                              | 6.2% | 3                      | 4.6%   | 40,650                           |
| Hamtramck                               | 94                           | 435.2   | 1.8%   | 8                          | 8.5%   | 3                         | 3.2 | 7                              | 7.4% | 5                      | 5.3%   | 21,599                           |
| Harper Woods                            | 62                           | 451.0   | 1.2%   | 5                          | 8.1%   | 2                         | 3.2 | 3                              | 4.8% | 4                      | 6.5%   | 13,746                           |
| Highland Park                           | 203                          | 1,884.0 | 3.8%   | 31                         | 15.3%  | 5                         | 2.5 | 3                              | 1.5% | 10                     | 4.9%   | 10,775                           |

<sup>1</sup>Detroit LHD includes the cities of Detroit, Hamtramck, Harper Woods, Highland Park, & the Grosse Pointes. Detroit, under "select cities", includes only residents of the city of Detroit. <sup>2</sup>Persons in prisons (state or federal) located in the Detroit LHD Jurisdiction. Reported separately for geographic stratification. <sup>3</sup>Prison History is not restricted to last reported address.

# Detroit LHD HIV Prevalence December 31, 2019: Demographic Stratification

| Demographic  | Prevalence December 31, 2019 |         |       |                            |        | New diagnoses & HTR, 2019 |      | STD diagnoses among PLWH, 2019 |      |                        |        | Population counts, 2019 (census) |
|--|------------------------------|---------|-------|----------------------------|--------|---------------------------|------|--------------------------------|------|------------------------|--------|----------------------------------|
|  | PLWH at any Stage (0-3)      |         |       | Last CD4 signifies Stage 3 |        | count                     | HTR  | Syphilis                       |      | Gonorrhea or Chlamydia |        |                                  |
| Sex at birth   | count                        | rate    | MI %  | count                      | prev % |                           |      |                                |      | count                  | prev % | count                            |
| Male   | 4,102                        | 1,129.3 | 77.0% | 438                        | 10.7%  | 172                       | 3.2  | 231                            | 5.6% | 393                    | 9.6%   | 363,243                          |
| Female   | 1,254                        | 312.0   | 23.5% | 160                        | 12.8%  | 36                        | 0.7  | 4                              | 0.3% | 41                     | 3.3%   | 401,949                          |
| Transgender <sup>1</sup>                                       | 120                          | N/A     | 2.3%  | 16                         | 13.3%  | 10                        | 0.2  | 11                             | 9.2% | 20                     | 16.7%  | No data                          |
| <b>Race &amp; Latinx ethnicity by sex at birth<sup>2</sup></b> |                              |         |       |                            |        |                           |      |                                |      |                        |        |                                  |
| Black/AA overall   | 4,688                        | 847.0   | 88.0% | 536                        | 11.4%  | 186                       | 4.0  | 202                            | 4.3% | 391                    | 8.3%   | 553,453                          |
| Black/AA males   | 3,559                        | 1,387.1 | 66.8% | 394                        | 11.1%  | 153                       | 3.3  | 198                            | 5.6% | 355                    | 10.0%  | 256,575                          |
| Black/AA females   | 1,129                        | 380.3   | 21.2% | 142                        | 12.6%  | 33                        | 0.7  | 4                              | 0.4% | 36                     | 3.2%   | 296,888                          |
| Latinx overall   | 195                          | 369.0   | 3.7%  | 19                         | 9.7%   | 9                         | 4.6  | 11                             | 5.6% | 11                     | 5.6%   | 52,841                           |
| Latinx males   | 151                          | 560.3   | 2.8%  | 13                         | 8.6%   | 9                         | 4.6  | 11                             | 7.3% | 9                      | 6.0%   | 26,951                           |
| Latinx females   | 44                           | 169.9   | 0.8%  | 6                          | 13.6%  | 0                         | 0.0  | 0                              | 0.0% | 2                      | 4.5%   | 25,890                           |
| White overall  | 337                          | 274.8   | 6.3%  | 30                         | 8.9%   | 11                        | 3.3  | 16                             | 4.7% | 22                     | 6.5%   | 122,650                          |
| White males  | 284                          | 455.2   | 5.3%  | 22                         | 7.7%   | 8                         | 2.4  | 16                             | 5.6% | 20                     | 7.0%   | 62,387                           |
| White females  | 53                           | 87.9    | 1.0%  | 8                          | 15.1%  | 3                         | 0.9  | 0                              | 0.0% | 2                      | 3.8%   | 60,263                           |
| Multi/other overall  | 135                          | 372.5   | 2.5%  | 13                         | 9.6%   | 2                         | 1.5  | 6                              | 4.4% | 10                     | 7.4%   | 36,238                           |
| Multi/other males  | 107                          | 617.4   | 2.0%  | 9                          | 8.4%   | 2                         | 1.5  | 6                              | 5.6% | 9                      | 8.4%   | 17,330                           |
| Multi/other females  | 28                           | 148.1   | 0.5%  | 4                          | 14.3%  | 0                         | 0.0  | 0                              | 0.0% | 1                      | 3.6%   | 18,908                           |
| <b>Other ethnicity and country of birth</b>                    |                              |         |       |                            |        |                           |      |                                |      |                        |        |                                  |
| Arab/Mid E descent <sup>3</sup>                                | 14                           | N/A     | 0.3%  | 0                          | 0.0%   | 1                         | 7.1  | 0                              | 0.0% | 1                      | 7.1%   | No data                          |
| Foreign born   | 87                           | N/A     | 1.6%  | 8                          | 9.2%   | 2                         | N/A  | 3                              | 3.4% | 0                      | 0.0%   | No data                          |
| <b>Age at year end</b>   |                              |         |       |                            |        |                           |      |                                |      |                        |        |                                  |
| 00-14  | 9                            | N/A     | 0.2%  | 0                          | 0.0%   | 0                         | 0.0  | 0                              | 0.0% | 0                      | 0.0%   | No data                          |
| 15-19  | 35                           | N/A     | 0.7%  | 0                          | 0.0%   | 21                        | 60.0 | 3                              | 8.6% | 14                     | 40.0%  | No data                          |
| 20-29  | 812                          | N/A     | 15.2% | 64                         | 7.9%   | 98                        | 12.1 | 78                             | 9.6% | 171                    | 21.1%  | No data                          |
| 30-39  | 1,235                        | N/A     | 23.2% | 138                        | 11.2%  | 61                        | 4.9  | 90                             | 7.3% | 149                    | 12.1%  | No data                          |
| 40-49  | 1,011                        | N/A     | 19.0% | 135                        | 13.4%  | 13                        | 1.3  | 29                             | 2.9% | 50                     | 4.9%   | No data                          |
| 50-59  | 1,298                        | N/A     | 24.4% | 143                        | 11.0%  | 12                        | 0.9  | 26                             | 2.0% | 42                     | 3.2%   | No data                          |
| 60+  | 956                          | N/A     | 17.9% | 118                        | 12.3%  | 3                         | 0.3  | 9                              | 0.9% | 8                      | 0.8%   | No data                          |

<sup>1</sup>Transgender persons are also included in the sex at birth categories. <sup>2</sup>Black/AA, White, & Multi/Other are non-Latinx, Latinx persons may be of any race but are only included in the Latinx group. Persons with unknown race are excluded: 4 males & 1 female. <sup>3</sup>Persons of Arab/Middle Eastern descent may be of any race and are not excluded from the race categories.

# Detroit LHD HIV Prevalence December 31, 2019: Demographic Stratification

| Demographic   | Prevalence December 31, 2019 |          |       |       |        | New diagnoses & HTR, 2019 |      | STD diagnoses among PLWH, 2019 |                 |                              |                               | Population counts, 2019 (census) |
|---|------------------------------|----------|-------|-------|--------|---------------------------|------|--------------------------------|-----------------|------------------------------|-------------------------------|----------------------------------|
|   | count                        | rate     | MI %  | count | prev % | count                     | HTR  | Syphilis count                 | Syphilis prev % | Gonorrhea or Chlamydia count | Gonorrhea or Chlamydia prev % |                                  |
| <b>HIV transmission risk by gender<sup>1</sup></b>                                      |                              |          |       |       |        |                           |      |                                |                 |                              |                               |                                  |
| Sex w men   | 3,611                        | N/A      | 67.8% | 349   | 9.7%   | 144                       | 3.5  | 209                            | 5.8%            | 362                          | 10.0%                         | No data                          |
| Cis men   | 2,647                        | N/A      | 49.7% | 239   | 9.0%   | 108                       | 2.6  | 196                            | 7.4%            | 312                          | 11.8%                         | No data                          |
| Cis women   | 852                          | N/A      | 16.0% | 95    | 11.2%  | 26                        | 0.6  | 2                              | 0.2%            | 30                           | 3.5%                          | No data                          |
| Transgender   | 112                          | N/A      | 2.1%  | 15    | 13.4%  | 10                        | 0.2  | 11                             | 9.8%            | 20                           | 17.9%                         | No data                          |
| PWID  | 399                          | N/A      | 7.5%  | 90    | 22.6%  | 5                         | 0.9  | 3                              | 0.8%            | 6                            | 1.5%                          | No data                          |
| Cis men   | 212                          | N/A      | 4.0%  | 42    | 19.8%  | 3                         | 0.5  | 1                              | 0.5%            | 4                            | 1.9%                          | No data                          |
| Cis women   | 187                          | N/A      | 3.5%  | 48    | 25.7%  | 2                         | 0.4  | 2                              | 1.1%            | 2                            | 1.1%                          | No data                          |
| Transgender   | 0                            | N/A      | 0.0%  | 0     | N/A    | 0                         | 0.0  | 0                              | N/A             | 0                            | N/A                           | No data                          |
| Sex w men & PWID  | 172                          | N/A      | 3.2%  | 22    | 12.8%  | 1                         | <0.1 | 12                             | 7.0%            | 12                           | 7.0%                          | No data                          |
| Cis men   | 169                          | N/A      | 3.2%  | 21    | 12.4%  | 1                         | <0.1 | 12                             | 7.1%            | 12                           | 7.1%                          | No data                          |
| Transgender   | 3                            | N/A      | <0.1% | 1     | 33.3%  | 0                         | 0.0  | 0                              | 0.0%            | 0                            | 0.0%                          | No data                          |
| Sex w women   | 223                          | N/A      | 4.2%  | 38    | 17.0%  | 6                         | 0.5  | 0                              | 0.0%            | 11                           | 4.9%                          | No data                          |
| Cis men   | 223                          | N/A      | 4.2%  | 38    | 17.0%  | 6                         | 0.5  | 0                              | 0.0%            | 11                           | 4.9%                          | No data                          |
| Transgender   | 0                            | N/A      | 0.0%  | 0     | N/A    | 0                         | 0.0  | 0                              | N/A             | 0                            | N/A                           | No data                          |
| Perinatal or Pediatric  | 52                           | N/A      | 1.0%  | 11    | 21.2%  | 0                         | 0.0  | 0                              | 0.0%            | 7                            | 13.5%                         | No data                          |
| Cis men   | 31                           | N/A      | 0.6%  | 8     | 25.8%  | 0                         | 0.0  | 0                              | 0.0%            | 3                            | 9.7%                          | No data                          |
| Cis women   | 21                           | N/A      | 0.4%  | 3     | 14.3%  | 0                         | 0.0  | 0                              | 0.0%            | 4                            | 19.0%                         | No data                          |
| Transgender   | 0                            | N/A      | 0.0%  | 0     | N/A    | 0                         | 0.0  | 0                              | N/A             | 0                            | N/A                           | No data                          |
| Other risk  | 3                            | N/A      | <0.1% | 0     | 0.0%   | 0                         | N/A  | 0                              | 0.0%            | 0                            | 0.0%                          | No data                          |
| Unknown risk  | 896                          | N/A      | 16.8% | 88    | 9.8%   | 52                        | N/A  | 11                             | 1.2%            | 36                           | 4.0%                          | No data                          |
| <b>Special populations</b>  |                              |          |       |       |        |                           |      |                                |                 |                              |                               |                                  |
| MSM & MSM/PWID  | 2,817                        | 13,370.9 | 52.9% | 261   | 9.3%   | 109                       | 3.9  | 208                            | 7.4%            | 324                          | 11.5%                         | 21,068                           |
| 15-29 yr old Black/AA men   | 553                          | 15,480.1 | 10.4% | 31    | 5.6%   | 67                        | 12.1 | 66                             | 11.9%           | 138                          | 25.0%                         | 3,572                            |
| PWID & MSM/PWID   | 571                          | N/A      | 10.7% | 112   | 19.6%  | 6                         | 1.1  | 15                             | 2.6%            | 18                           | 3.2%                          | No data                          |
| 15-29 yr olds   | 16                           | N/A      | 0.3%  | 1     | 6.3%   | 1                         | 6.3  | 2                              | 12.5%           | 2                            | 12.5%                         | No data                          |
| Young (15-29 yr old) Black/AA men (YBM) compared to other youth and those 30+ years old |                              |          |       |       |        |                           |      |                                |                 |                              |                               |                                  |
| YBM   | 643                          | 1,044.0  | 12.1% | 43    | 6.7%   | 86                        | 13.4 | 70                             | 10.9%           | 149                          | 23.2%                         | 61,592                           |
| Other youth 15-29   | 204                          | 178.8    | 3.8%  | 21    | 10.3%  | 33                        | 16.2 | 11                             | 5.4%            | 36                           | 17.6%                         | 114,123                          |
| 30+ yrs old   | 4,500                        | 1,048.9  | 84.5% | 534   | 11.9%  | 89                        | 2.0  | 154                            | 3.4%            | 249                          | 5.5%                          | 429,008                          |

<sup>1</sup>Risk/Gender Notes: PWID (persons who inject drugs). MSM (men who have sex with men). For additional risk details see [HIV Transmission Risk Category Definitions](#).