HIV Care Continuum Report, 2019

Data as of April, 2020

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| HIV & STD Surveillance & Epidemiology Section Division of HIV & STD Programs Bureau of Infectious Disease Prevention Michigan Department of Health and Human Services | Lansing - HIV 5 333 S. Grand 4 Lansing, MI 48 517-335-8165 | | 7 46 35 | 15 9 8 1 | |
| Michigan Department of Health & Human Services | Cadillac Place | | 4 14 15 10 | 5 6 4 | |

GRETCHEN WHITMER, GOVERNOR | ROBERT GORDON, DIRECTOR

www.michigan.gov/hivstd

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Notes & Key definitions

Totals differ from other reports. The HIV Care Continuum Report includes persons who were diagnosed with HIV before January 1, and still living in Michigan as of December 31 of the given year. Other reports displaying prevalence include persons diagnosed up until the defined end date. Therefore, the total number of persons living with HIV (PLWH) included in the care report is less than other reports displaying prevalence.

Stages included in the Michigan Care Continuum.

PLWH (diagnosed) - Persons living with HIV (PLWH) who have been diagnosed (are aware) of their HIV status. In this report, PLWH refers to diagnosed persons unless otherwise specified. Calculations involving populations with a small number of PLWH (45-99 PLWH) should be interpreted with caution. Proportions may fluctuate year to year as small changes in the numerator are magnified. Care measures are masked (--) for groups with <45 PLWH.

In Care - PLWH with at least 1 CD4, viral load, or genotype lab test (proxies for medical care visits) during the given year. Virally Suppressed (**VS**) - PLWH with less than 200 copies of HIV virus per milliliter of blood (<200c/mL).

Maintained Undetectable (**MU**) - PLWH who maintained viral load levels <200c/mL for at least 4-8 months. This measure is derived from studies supporting the U=U (undetectable = untransmittable) campaign.

This report also includes "Maintained Undetectable Eligible" (**MU elig**) - PLWH who received at least two viral load lab tests 4-8 months apart. This figure helps differentiate between the proportion of PLWH who were not MU due to high viral loads (MU elig, but not MU) versus the proportion of PLWH who were not MU due to lack of sufficient viral load tests (not MU elig).

Viral Suppression calculations. There are two ways to think about viral suppression and each is useful for different purposes. Community viral suppression is the proportion of all diagnosed PLWH who are virally suppressed (**VS/PLWH**). High community viral suppression indicates high treatment adherence and low transmission risk at the community level. Community viral suppression, however, cannot convey which populations struggle to reach VS even after being established in care. Viral suppression of those in care (**VS/In Care**) does indicate which populations struggle to reach VS after establishment of care. As improved prognosis and transmission reduction at the community level are overarching goals, community viral suppression is the more commonly used indicator. VS of those in care should be used sparingly to determine priority populations for treatment adherence interventions and programs.

In Michigan, once an individual is in care, the majority reach VS. In order to increase community viral suppression in the state, the proportion in care (In Care/PLWH) needs to increase.

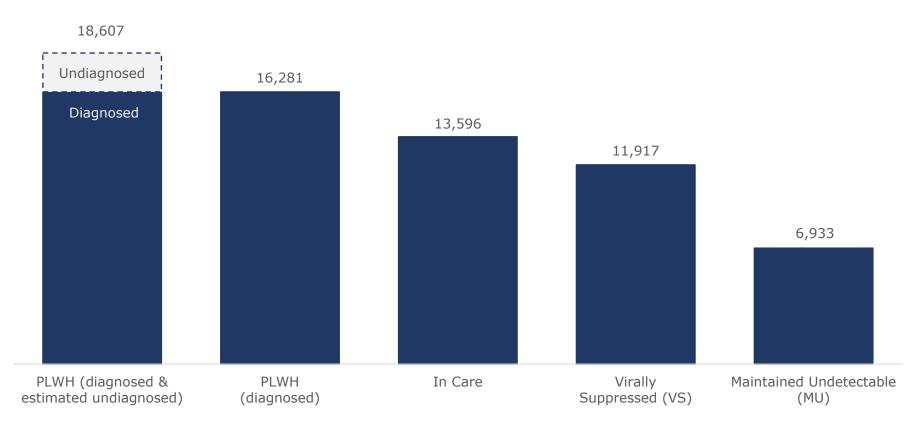
There are many variations of the care continuum nationally. Here are some reasons behind those variations. 1) The estimated number of PLWH unaware of their status (undiagnosed) is included in Michigan's Care Continuums occasionally. This figure can only be calculated for the state as a whole and therefore is not a useful denominator for any stratification. Diagnosed PLWH is the most commonly used reference point. 2) Linked to care is not included because the denominator is the number of persons diagnosed in a given year (different from all other stages). Information on linkage information may be found in the reports released in July. 3) Retained in care or continuous care is also excluded*. 4) Antiretroviral treatment information is not available and viral suppression is a good proxy for this stage; it is also excluded. 5) MU was added by Michigan in order to give more context to VS.

*https://www.michigan.gov/documents/mdhhs/Defining Unmet Need Linkage to Care 639267 7.pdf



Michigan HIV Care Continuum, 2019

The HIV Care Continuum was developed by the CDC to assess gaps in care. Based on the care continuums and other trends observed, Michigan programs need to focus on linking and retaining persons living with HIV (PLWH) in care. This will improve the maintenance of low viral load levels, improving the health of PLWH and reducing the risk of HIV transmission.

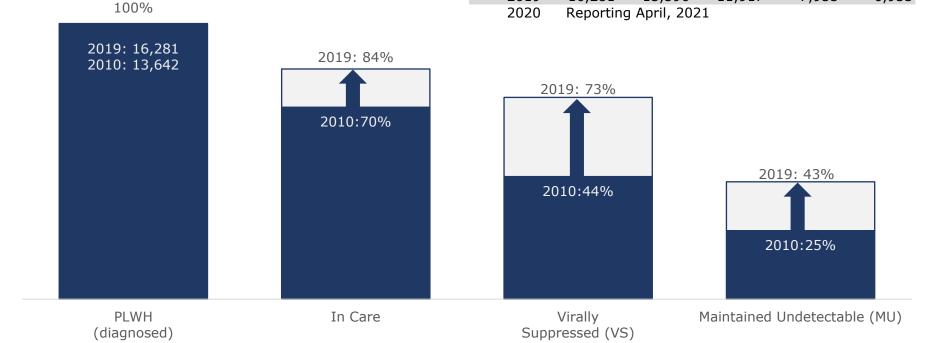


PLWH (diagnosed & estimated undiagnosed) - An estimated 14% of PLWH in Michigan have not yet been diagnosed. This measure is applied only to regional totals. PLWH (diagnosed) is the reference for all reports produced by MDHHS. PLWH (diagnosed) - PLWH diagnosed before Jan 1 and alive Dec 31 of the given year. In Care - PLWH with at least 1 CD4, viral load, or genotype lab test during the given year. Virally Suppressed - PLWH with less than 200 copies of HIV virus per milliliter of blood (<200c/mL). Maintained Undetectable - PLWH who maintained viral load levels <200c/mL for at least 4-8 months.

Michigan HIV Care Continuum, 2010 - 2019

Over the last decade, improvements were made at every stage along the continuum. Although not displayed here, these improvements are observed among all populations - gender, race, ethnicity, age, sexual orientation, and residence. Currently, further improvements at the viral suppression stage are hindered by the proportion in care. Michigan needs to focus on increasing the proportion of PLWH in care, and viral suppression should follow

Comparing the 2010 Michigan HIV Care Continuum to 2019



PLWH

13,642

14,085

14,595

15,189

14,048

13,668

14,770

15,033

15,458

16,281

Year

2010

2011

2012

2013

2014

2015

2016

2017

2018

2019

In Care

9,501

9,854

10,354

10,676

10,828

11,039

12,283

12,577

13,066

13,596

VS

6,064

6,593

7,298

8,182

8,449

9,046

10,408

10,851

11,355

11,917

MU eliq

5,069

5,248

5,538

5,706

5,727

6,216

6,988

7,486

7,821

7,933

PLWH (diagnosed) - PLWH diagnosed before Jan 1 and alive Dec 31 of the given year. In Care - PLWH with at least 1 CD4, viral load, or genotype lab test during the given year. Virally Suppressed - PLWH with less than 200 copies of HIV virus per milliliter of blood (<200c/mL). Maintained Undetectable - PLWH who maintained viral load levels <200c/mL for at least 4-8 months. page 3

MU

3,388

3,613

3,999

4,315

4,495

5,135

5,833

6,461

6,766

6,933

Michigan Geographic Stratification, 2019 (last reported address)

| | PLWH | In Care | VS | MU elig | MU |
|-----------------------|--------|---------|--------|---------|-------|
| Region | | | | | |
| Michigan | 16,281 | 13,596 | 11,917 | 7,933 | 6,933 |
| DMA ¹ | 10,345 | 8,594 | 7,382 | 4,770 | 4,062 |
| Outstate ² | 5,624 | 4,721 | 4,275 | 2,979 | 2,708 |
| Prison ³ | 311 | 281 | 260 | 184 | 163 |

| Local Health Depa | rtment (L | HD) Juris | diction (e | xcl PLWH in | prison) |
|-------------------------------|-----------|-----------|------------|-------------|---------|
| Allegan Co. | 127 | 120 | 116 | 78 | 76 |
| Barry-Eaton | 110 | 94 | 88 | 67 | 62 |
| Berrien Co. | 233 | 171 | 155 | 107 | 97 |
| Branch-Hillsdale- | | | | | |
| St. Joseph | 78 | 64 | 62 | 38 | 37 |
| Calhoun Co. | 190 | 154 | 133 | 77 | 69 |
| Central Michigan ⁴ | 702 | 605 | 563 | 398 | 372 |
| Detroit LHD ⁵ | 5,122 | 4,173 | 3,438 | 2,301 | 1,860 |
| Genesee Co. | 557 | 426 | 352 | 218 | 183 |
| Huron Co. | 7 | | | | |
| Ingham Co. | 456 | 394 | 344 | 260 | 225 |
| Ionia Co. | 36 | | | | |
| Jackson Co. | 164 | 145 | 123 | 96 | 85 |
| Kalamazoo Co. | 380 | 321 | 282 | 153 | 142 |
| Kent Co. | 1,032 | 881 | 825 | 600 | 545 |
| Lapeer Co. | 44 | | | | |
| Lenawee Co. | 54 | 39 | 36 | 24 | 23 |
| Livingston Co. | 94 | 82 | 78 | 54 | 50 |
| Macomb Co. | 1,221 | 1,012 | 901 | 558 | 500 |
| Marquette ⁶ | 142 | 118 | 108 | 64 | 51 |
| Monroe Co. | 103 | 79 | 67 | 39 | 34 |
| Muskegon Co. | 178 | 153 | 140 | 114 | 104 |
| Oakland Co. | 2,085 | 1,789 | 1,604 | 1,020 | 912 |
| Ottawa Co. | 137 | 114 | 108 | 80 | 79 |
| Saginaw Co. | 254 | 217 | 198 | 156 | 139 |
| Sanilac Co. | 23 | | | | |
| Shiawassee Co. | 46 | 41 | 38 | 24 | 23 |
| St. Clair Co. | 102 | 79 | 72 | 47 | 41 |
| Tuscola Co. | 13 | | | | |
| Van Buren-Cass | 78 | 66 | 63 | 35 | 32 |
| Washtenaw Co. | 533 | 445 | 396 | 284 | 266 |
| Wayne Co. | 1,668 | 1,425 | 1,269 | 787 | 698 |

| | PLWH | In Care | vs | MU elig | MU |
|--------------------|--------|---------|-------|---------|-------|
| Metropolitan Stati | | | | | |
| Ann Arbor | 533 | 445 | 396 | 284 | 266 |
| Battle Creek | 190 | 154 | 133 | 77 | 69 |
| Bay City | 80 | 66 | 59 | 48 | 44 |
| Detroit-Warren- | | | | | |
| Dearborn | 10,336 | 8,597 | 7,393 | 4,785 | 4,078 |
| Flint | 557 | 426 | 352 | 218 | 183 |
| Grand Rapids- | | | | | |
| Wyoming | 1,217 | 1,037 | 972 | 710 | 653 |
| Jackson | 164 | 145 | 123 | 96 | 85 |
| Kalamazoo- | | | | | |
| Portage | 439 | 372 | 331 | 181 | 167 |
| Lansing-E Lansing | 587 | 510 | 453 | 341 | 299 |
| Midland | 38 | | | | |
| Monroe | 103 | 79 | 67 | 39 | 34 |
| Muskegon | 178 | 153 | 140 | 114 | 104 |
| Niles-Benton | | | | | |
| Harbor | 233 | 171 | 155 | 107 | 97 |
| Saginaw | 254 | 217 | 198 | 156 | 139 |
| Micropolitan Area | 639 | 547 | 518 | 349 | 322 |
| Rural | 421 | 364 | 339 | 226 | 214 |
| | | | | | |

Additional Prison population information

| Any prison, 2019 | 340 | 337 | 298 | 225 | 187 |
|------------------|-------|-----|-----|-----|-----|
| Ever in prison | 1,131 | 975 | 794 | 562 | 440 |

Residence details are unknown for one individual.

¹Detroit Metro Area (DMA) includes Lapeer, Macomb, Monroe, Oakland, St. Clair, and Wayne Counties. Prisons are excluded.

²Outstate includes Michigan residents outside the DMA. Prisons are excluded.

³Persons in prisons (state or federal) located in Michigan. Reported separately for geographic stratification; included in demographic and Ryan White strata.

⁴Central Michigan LHD includes all otherwise unlisted counties in the lower peninsula

⁵Detroit LHD includes the cities of Detroit, Highland Park, Hamtramck, Harper Woods, & the Grosse Pointes. Detroit, under "Cities with at least 45 PLWH" (next page), includes only residents of the city of Detroit

⁶Marquette LHD includes the entire upper peninsula

⁷MSA designations: https://en.wikipedia.org/wiki/Michigan_statistical_areas

Michigan Geographic Stratification, 2019 (last reported address)

| | PLWH | In Care | vs | MU elig | MU | | PLWH | In Care | VS | MU elig | MU |
|---------------------|-------|--------------|-------|----------|-------|------------------|------|---------|-----|---------|-----|
| Cities with at leas | | | | | _ | | | | _ | | _ |
| Ann Arbor | 208 | ` 170 | 153 | , 106 | 104 | Romulus | 81 | 67 | 61 | 38 | 33 |
| Battle Creek | 142 | 112 | 95 | 52 | 45 | Roseville | 112 | 92 | 82 | 50 | 42 |
| Bay City | 65 | 56 | 49 | 40 | 36 | Royal Oak | 145 | 129 | 123 | 72 | 69 |
| Belleville | 50 | 45 | 41 | 23 | 23 | Saginaw | 234 | 202 | 183 | 144 | 127 |
| Benton Harbor | 98 | 79 | 70 | 54 | 46 | Southfield | 389 | 331 | 288 | 190 | 164 |
| Canton | 90 | 73 | 67 | 42 | 41 | St. Clair Shores | 66 | 53 | 46 | 32 | 29 |
| Clinton Township | 159 | 132 | 120 | 77 | 73 | Sterling Heights | 103 | 89 | 84 | 56 | 53 |
| Dearborn | 91 | 80 | 77 | 41 | 38 | Taylor | 134 | 120 | 105 | 63 | 55 |
| Dearborn Heights | 93 | 82 | 73 | 49 | 42 | Traverse City | 69 | 56 | 52 | 35 | 31 |
| Detroit | 4,711 | 3,847 | 3,162 | 2,114 | 1,709 | Troy | 65 | 58 | 56 | 44 | 41 |
| Eastpointe | 138 | 113 | 97 | 58 | 54 | Warren | 320 | 259 | 227 | 132 | 118 |
| Farmington Hills | 98 | 80 | 73 | 53 | 47 | Waterford | 91 | 74 | 67 | 40 | 38 |
| Ferndale | 135 | 118 | 111 | 70 | 63 | Wayne | 49 | 43 | 38 | 23 | 19 |
| Flint | 383 | 288 | 227 | 143 | 116 | West Bloomfield | 66 | 56 | 55 | 31 | 31 |
| Grand Rapids | 779 | 662 | 612 | 457 | 408 | Westland | 185 | 151 | 133 | 85 | 74 |
| Grosse Pointes | 62 | 58 | 51 | 29 | 23 | Wyoming | 90 | 76 | 71 | 49 | 46 |
| Hamtramck | 91 | 75 | 64 | 45 | 40 | Ypsilanti | 287 | 239 | 208 | 149 | 133 |
| Harper Woods | 59 | 50 | 41 | 33 | 26 | | | | | | |
| Hazel Park | 54 | 48 | 40 | 18 | 18 | | | | | | |
| Highland Park | 199 | 143 | 120 | 80 | 62 | | | | | | |
| Holland | 61 | 51 | 46 | 36 | 35 | | | | | | |
| Inkster | 159 | 131 | 107 | 65 | 52 | | | | | | |
| Jackson | 136 | 117 | 97 | 75 | 65 | | | | | | |
| Kalamazoo | 295 | 243 | 212 | 121 | 110 | | | | | | |
| Lansing | 402 | 349 | 305 | 226 | 193 | | | | | | |
| Lincoln Park | 71 | 59 | 53 | 39 | 34 | | | | | | |
| Livonia | 81 | 73 | 70 | 41 | 38 | | | | | | |
| Macomb Township | 46 | 37 | 34 | 21 | 19 | | | | | | |
| Madison Heights | 51 | 45 | 41 | 26 | 26 | | | | | | |
| Monroe | 47 | 40 | 36 | 18 | 15 | | | | | | |
| Mount Clemens | 76 | 65 | 52 | 36 | 24 | | | | | | |
| Muskegon | 150 | 130 | 118 | 100 | 91 | | | | | | |
| Novi | 52 | 43 | 38 | 27 | 25 | | | | | | |
| Oak Park | 113 | 97 | 84 | 49 | 41 | | | | | | |
| Pontiac | 326 | 277 | 224 | 135 | 107 | | | | | | |
| Port Huron | 46 | 36 | 32 | 24 | 20 | | | | | | |
| Portage | 52 | 45 | 40 | 17 | 17 | | | | | | |
| Redford | 175 | 150 | 130 | 84 | 66 | | | | | | |

Michigan Geographic Stratification, 2019 (last reported address)

Local Health Department (LHD) jurisdictions with at least 45 residents living with HIV are included (excl PLWH in prison). The x-axis is the proportion in care, and the y-axis is the proportion virally suppressed *of those in care*. The axes are centered at the Michigan average (84% in care and 88% VS of those in care). The overarching goal is to increase community viral suppression (VS of all PLWH) as this reduces transmission risk on a community level.

| Quadrant | Compared to the state average: | To increase community viral suppression and reduce transmission risk: |
|-------------|--|--|
| Upper Right | Care and VS rates are higher | current activities are working. |
| Upper Left | Care rate is lower and VS rate is higher | persons in these areas need assistance overcoming barriers to receiving care. |
| Lower Right | Care rate is higher and VS rate is lower | persons in these areas need assistance overcoming barriers to treatment adherence. |
| Lower Left | Care and VS rates are lower | persons in these areas need assistance overcoming barriers to receiving care as well |
| | | as treatment adherence. |



Michigan Demographic Stratification, 2019

| | PLWH | In Care | vs | MU elig | MU | | PLWH | In Care | vs | MU elig | MU |
|-------------------------------|---------------------|---------|-------|---------|-------|---|-------------|----------------|---------------|-----------------------------|---------|
| Gender | | | | | | Risk/Gender ⁴ | | | | | |
| Cis men | 12,663 | 10,632 | 9,358 | 6,199 | 5,475 | Sex w men | 11,467 | 9,778 | 8,621 | 5,713 | 5,025 |
| Cis women | 3,389 | 2,773 | 2,405 | 1,631 | 1,374 | Cis men | 8,835 | 7,563 | 6,701 | 4,428 | 3,937 |
| Transgender ¹ | 229 | 191 | 154 | 103 | 84 | Cis women | 2,427 | 2,042 | 1,783 | 1,190 | 1,012 |
| | | | | | | Transgender | 205 | 173 | 137 | 95 | 76 |
| Race, Ethnicity, & | Gender ² | | | | | PWID | 930 | 721 | 619 | 418 | 350 |
| Black/AA | 9,038 | 7,354 | 6,144 | 4,096 | 3,390 | Cis men | 525 | 420 | 367 | 240 | 207 |
| Cis men | 6,519 | 5,294 | 4,398 | 2,913 | 2,415 | Cis women | 405 | 301 | 252 | 178 | 143 |
| Cis women | 2,340 | 1,913 | 1,629 | 1,107 | 916 | Sex w men & PWID | 637 | 538 | 468 | 322 | 278 |
| Transgender | 179 | 147 | 117 | 76 | 59 | Cis men | 621 | 527 | 458 | 318 | 274 |
| Latinx | 969 | 794 | 720 | 479 | 429 | Transgender | 16 | | | | |
| Cis men | 772 | 636 | 581 | 388 | 352 | Sex w women | 699 | 563 | 472 | 301 | 262 |
| Cis women | 183 | 147 | 130 | 85 | 73 | Cis men | 698 | 562 | 471 | 301 | 262 |
| Transgender | 14 | | | | | Transgender | 1 | | | | |
| White | 5,587 | 4,864 | 4,530 | 3,020 | 2,808 | Other | 271 | 233 | 205 | 170 | 136 |
| Cis men | 4,844 | 4,252 | 3,974 | 2,631 | 2,466 | Cis men | 160 | 136 | 118 | 95 | 77 |
| Cis women | 714 | 585 | 532 | 371 | 324 | Cis women | 111 | 97 | 87 | 75 | 59 |
| Transgender | 29 | | | | | Unknown | 2,277 | 1,763 | 1,532 | 1,009 | 882 |
| Multi/Other | 683 | 584 | 523 | 338 | 306 | Cis men | 1,824 | 1,424 | 1,243 | 817 | 718 |
| Cis men | 525 | 450 | 405 | 267 | 242 | Cis women | 446 | 333 | 283 | 188 | 160 |
| Cis women | 151 | 128 | 114 | 68 | 61 | Transgender | 7 | | | | |
| Transgender | 7 | | | | | | | | | | |
| Arab/Middle | | | | | | Other select popu | lations | | | | |
| Eastern descent | 78 | 73 | 71 | 48 | 43 | Black/AA MSM ⁵ | 4,640 | 3,842 | 3,175 | 2,102 | 1,730 |
| | | | | | | Young (15-29) | | | | | |
| Country of Birth ³ | | | | | | Black/AA MSM ⁵ | 1,044 | 810 | 634 | 422 | 314 |
| USA | 10,983 | 9,221 | 7,995 | 5,332 | 4,604 | | | | | | |
| US Territory | 71 | 63 | 61 | 37 | 36 | Young (15-29) Bla | ack/AA N | len (YBM) | compared | d to others | |
| Foreign | 954 | 741 | 696 | 478 | 444 | YBM | 1,209 | 920 | 709 | 484 | 355 |
| | | | | | | Other youth 15-29 | 787 | 653 | 564 | 384 | 320 |
| Age (yrs) on Dece | ember 31, | 2019 | | | | 30+ years old | 14,208 | 11,952 | 10,576 | 7,011 | 6,211 |
| 00-14 | 77 | 71 | 68 | 54 | 47 | ¹ Most (98%) of Transgen | der persons | identify as ma | le to female. | 2 Persons with ι | Inknown |
| 15-19 | 70 | 64 | 58 | 55 | 49 | race (4) are not included | | | | | |
| 20-29 | 1,926 | 1,509 | 1,215 | 813 | 626 | Latinx, White, & Multi/Otl | | , | | | |
| 30-39 | 3,295 | 2,694 | 2,225 | 1,428 | 1,183 | Eastern descent may be o | , | | | - | , |
| 40-49 | 3,312 | 2,741 | 2,397 | 1,550 | 1,340 | categories. ² The country ³ Risk/Gender Notes: PWI | | | | | |
| 50-59 | 4,630 | 3,930 | 3,566 | 2,347 | 2,121 | women" have no reported | | | | | |
| 60+ | 2,971 | 2,587 | 2,388 | 1,686 | 1,567 | at high risk for HIV. Near | | | | J , | |
| CDC youth:13-24 | 573 | 465 | 389 | 296 | 229 | ⁴ Black/AA MSM groups in | | | | | |

Care among Michigan Ryan White clients, 2019

Below poverty line

4,626

4,434

3,784

2,690

2,175

The following strata include Ryan White (RW) clients only. RW clients are individuals who received at least one RW funded service during the given year. Because receiving a service is highly correlated with care, use In Care as the total (not PLWH) when comparing VS or MU among RW clients and other PLWH.

| A D | | In Care | VS | MU elig | MU | Constant. | PLWH | In Care | VS | MU elig | MU |
|--------------------|------------|-------------|-------------|--------------|-------|--|---|-----------------|---------------|------------------|----------|
| Any Ryan White (R | - | - | | | | Gender | | | | | |
| Michigan Total | 16,281 | 13,596 | 11,917 | 7,933 | 6,933 | Cis men | 6,366 | 6,157 | 5,484 | 3,872 | 3,342 |
| No RW service | 7,804 | 5,414 | 4,666 | 2,790 | 2,543 | Cis women | 1,945 | 1,869 | 1,641 | 1,185 | 979 |
| RW client | 8,477 | 8,182 | 7,251 | 5,143 | 4,390 | Transgender | 166 | 156 | 126 | 86 | 69 |
| Ryan White service | | (persons m | ay be inclu | ided in mult | iple) | Race & Ethnicity ¹ | | | | | |
| ADAP | 2,576 | 2,513 | 2,348 | 1,681 | 1,530 | Black/AA | 5,165 | 4,982 | 4,252 | 2,997 | 2,435 |
| Part A | 3,603 | 3,502 | 3,006 | 2,079 | 1,661 | Latinx | 540 | 523 | 479 | 333 | 298 |
| Part B | 3,675 | 3,529 | 3,240 | 2,383 | 2,120 | White | 2,417 | 2,338 | 2,221 | 1,605 | 1,473 |
| Part C | 3,037 | 3,002 | 2,692 | 1,988 | 1,725 | Multi/Other | 355 | 339 | 299 | 208 | 184 |
| Part D | 1,013 | 971 | 839 | 639 | 501 | | | | | | |
| | | | | | | Age (yrs) on Dece | mber 31 | , 2019 | | | |
| Any period of unst | able hou | sing repor | ted during | g the year | | 00-19 | 59 | 54 | 47 | 47 | 36 |
| Yes | 665 | 625 | 483 | 352 | 240 | 20-29 | 1,081 | 1,013 | 826 | 586 | 427 |
| No, stably housed | 7,503 | 7,306 | 6,559 | 4,665 | 4,042 | 30-39 | 1,756 | 1,683 | 1,401 | 950 | 758 |
| No information | 309 | 251 | 209 | 126 | 108 | 40-49 | 1,735 | 1,668 | 1,488 | 1,041 | 887 |
| | | | | | | 50-59 | 2,385 | 2,323 | 2,138 | 1,500 | 1,345 |
| Any period withou | t health i | insurance | reported | during the | year | 60+ | 1,461 | 1,441 | 1,351 | 1,019 | 937 |
| Yes | 1,158 | 1,115 | 960 | 650 | 530 | Youth:15-29 | 1,114 | 1,044 | 852 | 614 | 449 |
| No, always insured | 7,205 | 6,991 | 6,225 | 4,454 | 3,824 | CDC youth:13-24 | 332 | 312 | 256 | 202 | 147 |
| No information | 114 | 76 | 66 | 39 | 36 | | | | | | |
| | | | | | | Other select popu | lations | | | | |
| Last reported insu | rance typ | be during t | he year | | | PWID ² | 897 | 869 | 778 | 562 | 479 |
| Medicaid | 3,641 | 3,500 | 2,937 | 2,074 | 1,620 | Black/AA MSM ³ | 2,734 | 2,628 | 2,214 | 1,539 | 1,235 |
| Medicare | 1,931 | 1,898 | 1,747 | 1,325 | 1,188 | Young (15-29) | | | | | |
| Private | 1,845 | 1,805 | 1,709 | 1,182 | 1,098 | Black/AA MSM ³ | 613 | 574 | 467 | 319 | 228 |
| Other | 216 | 211 | 198 | 140 | 128 | | | | | | |
| Uninsured | 730 | 692 | 594 | 383 | 320 | Young (15-29) Black | <td>(YBM) comp</td> <td>ared to ot</td> <td>hers</td> <td></td> | (YBM) comp | ared to ot | hers | |
| No information | 114 | 76 | 66 | 39 | 36 | YBM | 687 | 643 | 515 | 362 | 252 |
| | | | | | | Other youth 15-29 | 427 | 401 | 337 | 252 | 197 |
| Poverty Level | | | | | | 30+ years old | 7,337 | 7,115 | 6,378 | 4,510 | 3,927 |
| At or above | | | | | | | • | • | | | |
| poverty line | 3,851 | 3,748 | 3,467 | 2,453 | 2,215 | ¹ Latinx persons may be c exclusive categories. | r any race. I | SIACK/AA, LATIN | k, white, & M | uiti/Other are n | nutually |
| | 5,001 | 5,7,10 | 5,157 | _, | _,5 | exclusive categories. | | | | | |

 $^2{\rm PWID}$ (persons who inject drugs) includes PWID alone as well as MSM/PWID $^3{\rm Black}/{\rm AA}$ MSM include both MSM alone as well as MSM/PWID.



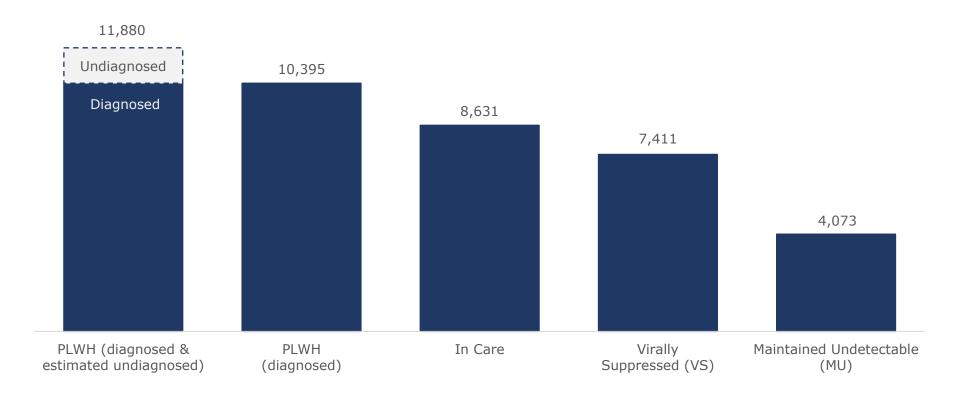
The Detroit Metro Area, 2019

Persons living with HIV where last known residence as of December 31, 2019 was the Detroit Metro Area (DMA: Lapeer, Macomb, Monroe, Oakland, St. Clair, & Wayne Counties)

Includes persons in prisons located in the DMA

Detroit Metro Area HIV Care Continuum, 2019

The HIV Care Continuum was developed by the CDC to assess gaps in care. Based on the care continuums and other trends observed, Michigan programs need to focus on linking and retaining persons living with HIV (PLWH) in care. This will improve the maintenance of low viral load levels, improving the health of PLWH and reducing the risk of HIV transmission.

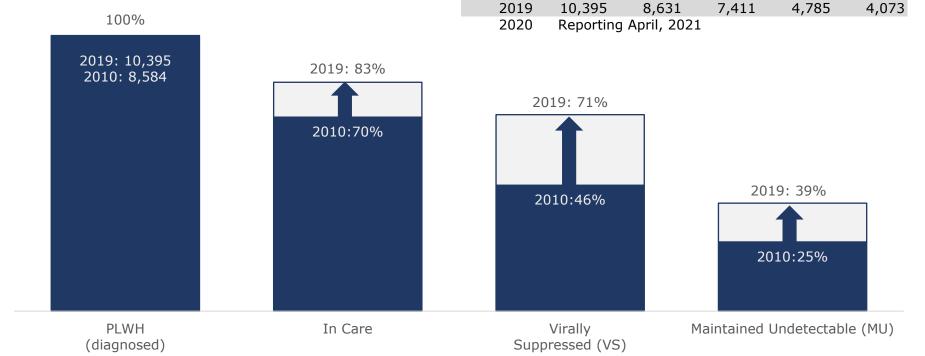


PLWH (diagnosed & estimated undiagnosed) - An estimated 14% of PLWH in Michigan have not yet been diagnosed. This measure is applied only to regional totals. PLWH (diagnosed) is the reference for all reports produced by MDHHS. PLWH (diagnosed) - PLWH diagnosed before Jan 1 and alive Dec 31 of the given year. In Care - PLWH with at least 1 CD4, viral load, or genotype lab test during the given year. Virally Suppressed - PLWH with less than 200 copies of HIV virus per milliliter of blood (<200c/mL). Maintained Undetectable - PLWH who maintained viral load levels <200c/mL for at least 4-8 months.

Detroit Metro Area (DMA) HIV Care Continuum, 2010 - 2019

Over the last decade, improvements were made at every stage along the continuum. Although not displayed here, these improvements are observed among all populations - gender, race, ethnicity, age, sexual orientation, and residence. Currently, further improvements at the viral suppression stage are hindered by the proportion in care. Michigan needs to focus on increasing the proportion of PLWH in care, and viral suppression should follow

Comparing the 2010 DMA HIV Care Continuum to 2019



Year

2010

2011

2012

2013

2014

2015

2016

2017

2018

PLWH (diagnosed) - PLWH diagnosed before Jan 1 and alive Dec 31 of the given year. In Care - PLWH with at least 1 CD4, viral load, or genotype lab test during the given year. Virally Suppressed - PLWH with less than 200 copies of HIV virus per milliliter of blood (<200c/mL). Maintained Undetectable - PLWH who maintained viral load levels <200c/mL for at least 4-8 months. page 11

MU

2,155

2,262

2,372

2,533

2,714

3,171

3,486

3,882

3,985

MU eliq

3,425

3,443

3,507

3,510

3,620

3,959

4,329

4,589

4,715

VS

3,921

4,259

4,449

5,066

5,328

5,818

6,481

6,781

7,096

In Care

6,041

6,290

6,564

6,730

6,918

7,222

7,732

7,954

8,295

PLWH

8,584

8,889

9,157

9,573

9,154

9,046

9,469

9,629

9,908

Detroit Metro Area Geographic Stratification, 2019 (last reported address)

| | PLWH | In Care | VS | MU elig | MU | | | | | | |
|--|-----------|---------|--------------|---------|-------|--|--|--|--|--|--|
| DMA^1 | 10,395 | 8,631 | 7,411 | 4,785 | 4,073 | | | | | | |
| DMA excl prison | 10,345 | 8,594 | 7,382 | 4,770 | 4,062 | | | | | | |
| DMA prison ² | 50 | 37 | 29 | 15 | 11 | | | | | | |
| | | | | | | | | | | | |
| Local Health Department (LHD) Jurisdiction (excl PLWH in p | | | | | | | | | | | |
| Detroit LHD ³ | 5,122 | 4,173 | 3,438 | 2,301 | 1,860 | | | | | | |
| Lapeer Co. | 44 | | | | | | | | | | |
| Macomb Co. | 1,221 | 1,012 | 901 | 558 | 500 | | | | | | |
| Monroe Co. | 103 | 79 | 67 | 39 | 34 | | | | | | |
| Oakland Co. | 2,085 | 1,789 | 1,604 | 1,020 | 912 | | | | | | |
| St. Clair Co. | 102 | 79 | 72 | 47 | 41 | | | | | | |
| Wayne Co. | 1,668 | 1,425 | 1,269 | 787 | 698 | | | | | | |
| | | | | | | | | | | | |
| Cities with at leas | t 45 PLWI | | VH in prisor | | | | | | | | |
| Belleville | 50 | 45 | 41 | 23 | 23 | | | | | | |
| Canton | 90 | 73 | 67 | 42 | 41 | | | | | | |
| Clinton Township | 159 | 132 | 120 | 77 | 73 | | | | | | |
| Dearborn | 91 | 80 | 77 | 41 | 38 | | | | | | |
| Dearborn Heights | 93 | 82 | 73 | 49 | 42 | | | | | | |
| Detroit | 4,711 | 3,847 | 3,162 | 2,114 | 1,709 | | | | | | |
| Eastpointe | 138 | 113 | 97 | 58 | 54 | | | | | | |
| Farmington Hills | 98 | 80 | 73 | 53 | 47 | | | | | | |
| Ferndale | 135 | 118 | 111 | 70 | 63 | | | | | | |
| Grosse Pointes | 62 | 58 | 51 | 29 | 23 | | | | | | |
| Hamtramck | 91 | 75 | 64 | 45 | 40 | | | | | | |
| Harper Woods | 59 | 50 | 41 | 33 | 26 | | | | | | |
| Hazel Park | 54 | 48 | 40 | 18 | 18 | | | | | | |
| Highland Park | 199 | 143 | 120 | 80 | 62 | | | | | | |
| Inkster | 159 | 131 | 107 | 65 | 52 | | | | | | |
| Lincoln Park | 71 | 59 | 53 | 39 | 34 | | | | | | |
| Livonia | 81 | 73 | 70 | 41 | 38 | | | | | | |

Macomb Township

Madison Heights

Mount Clemens

Monroe

Oak Park

Port Huron

Pontiac

Novi

| | PLWH | In Care | VS | MU elig | MU |
|---------------------|----------|---------|-----|---------|-----|
| Cities with at leas | t 45 PLW | | | | |
| Redford | 175 | 150 | 130 | 84 | 66 |
| Romulus | 81 | 67 | 61 | 38 | 33 |
| Roseville | 112 | 92 | 82 | 50 | 42 |
| Royal Oak | 145 | 129 | 123 | 72 | 69 |
| Southfield | 389 | 331 | 288 | 190 | 164 |
| St. Clair Shores | 66 | 53 | 46 | 32 | 29 |
| Sterling Heights | 103 | 89 | 84 | 56 | 53 |
| Taylor | 134 | 120 | 105 | 63 | 55 |
| Troy | 65 | 58 | 56 | 44 | 41 |
| Warren | 320 | 259 | 227 | 132 | 118 |
| Waterford | 91 | 74 | 67 | 40 | 38 |
| Wayne | 49 | 43 | 38 | 23 | 19 |
| West Bloomfield | 66 | 56 | 55 | 31 | 31 |
| Westland | 185 | 151 | 133 | 85 | 74 |

Prison population information

| Any prison, 2019 | 77 | 75 | 53 | 41 | 23 |
|------------------|-----|-----|-----|-----|-----|
| Ever in prison | 643 | 538 | 406 | 276 | 196 |

 $^{1}\mbox{Detroit}$ Metro Area (DMA) includes Lapeer, Macomb, Monroe, Oakland, St. Clair, and Wayne Counties.

²Persons in prisons (state or federal) located in the DMA. Reported separately for geographic stratification; included in demographic and Ryan White strata.

³Detroit LHD includes the cities of Detroit, Highland Park, Hamtramck, Harper Woods, & the Grosse Pointes. Detroit, under "Cities with at least 45 PLWH", includes only residents of the city of Detroit.

Detroit Metro Area Demographic Stratification, 2019

| | PLWH | In Care | vs | MU elig | MU | | PLWH | In Care | vs | MU elig | MU |
|-------------------------------|---------------------|---------|-------|---------|-------|--|----------|-----------|----------|-------------|-------|
| Gender | | | | - | | Risk/Gender ⁴ | | | | - | |
| Cis men | 8,015 | 6,680 | 5,773 | 3,697 | 3,181 | Sex w men | 7,361 | 6,241 | 5,402 | 3,453 | 2,964 |
| Cis women | 2,212 | 1,809 | 1,529 | 1,016 | 835 | Cis men | 5,642 | 4,786 | 4,168 | 2,653 | 2,299 |
| Transgender ¹ | 168 | 142 | 109 | . 72 | 57 | Cis women | 1,567 | 1,324 | 1,136 | 732 | 612 |
| | | | | | | Transgender | 152 | 131 | 98 | 68 | 53 |
| Race, Ethnicity, & | Gender ² | | | | | PWID | 628 | 477 | 400 | 275 | 222 |
| Black/AA | 6,999 | 5,699 | 4,726 | 3,103 | 2,531 | Cis men | 343 | 268 | 229 | 146 | 120 |
| Cis men | 5,117 | 4,154 | 3,436 | 2,244 | 1,834 | Cis women | 285 | 209 | 171 | 129 | 102 |
| Cis women | 1,740 | 1,426 | 1,199 | 801 | 652 | Sex w men & PWID | 354 | 294 | 248 | 169 | 145 |
| Transgender | 142 | 119 | 91 | 58 | 45 | Cis men | 345 | 289 | 243 | 168 | 144 |
| Latinx | 468 | 391 | 345 | 221 | 196 | Transgender | 9 | | | | |
| Cis men | 368 | 314 | 282 | 179 | 162 | Sex w women | 421 | 342 | 277 | 172 | 148 |
| Cis women | 94 | 72 | 60 | 38 | 32 | Cis men | 420 | 341 | 276 | 172 | 148 |
| Transgender | 6 | | | | | Transgender | 1 | | | | |
| White | 2,539 | 2,207 | 2,047 | 1,269 | 1,176 | Other | 118 | 99 | 80 | 70 | 47 |
| Cis men | 2,220 | 1,946 | 1,819 | 1,116 | 1,046 | Cis men | 69 | 56 | 46 | 38 | 27 |
| Cis women | 304 | 248 | 216 | 145 | 122 | Cis women | 49 | 43 | 34 | 32 | 20 |
| Transgender | 15 | | | | | Unknown | 1,513 | 1,178 | 1,004 | 646 | 547 |
| Multi/Other | 385 | 334 | 293 | 192 | 170 | Cis men | 1,196 | 940 | 811 | 520 | 443 |
| Cis men | 307 | 266 | 236 | 158 | 139 | Cis women | 311 | 233 | 188 | 123 | 101 |
| Cis women | 73 | 63 | 54 | 32 | 29 | Transgender | 6 | | | | |
| Transgender | 5 | | | | | | | | | | |
| Arab/Middle | | | | | | Other select popul | lations | | | | |
| Eastern descent | 69 | 66 | 64 | 43 | 39 | Black/AA MSM ⁵ | 3,745 | 3,095 | 2,552 | 1,671 | 1,365 |
| | | | | | | Young (15-29) | | | | | |
| Country of Birth ³ | | | | | | Black/AA MSM ⁵ | 834 | 646 | 499 | 323 | 241 |
| USA | 7,273 | 6,046 | 5,139 | 3,330 | 2,794 | | | | | | |
| US Territory | 39 | | | | | Young (15-29) Bla | nck/AA M | len (YBM) | compared | l to others | |
| Foreign | 363 | 288 | 268 | 173 | 157 | YBM | 947 | 720 | 544 | 363 | 263 |
| | | | | | | Other youth 15-29 | 455 | 381 | 311 | 216 | 170 |
| Age (yrs) on Dece | ember 31, | , 2019 | | | | 30+ years old | 8,971 | 7,511 | 6,538 | 4,190 | 3,628 |
| 00-14 | 22 | | | | | ¹ Most (99%) of Transgen | | | | | |
| 15-19 | 35 | | | | | race (4) are not included | | | | | |
| 20-29 | 1,367 | 1,069 | 829 | 551 | 411 | Latinx, White, & Multi/Oth | | | | | |
| 30-39 | 2,213 | 1,818 | 1,467 | 900 | 716 | Eastern descent may be of categories. ³ The country | | | | | |
| 40-49 | 2,070 | 1,694 | 1,450 | 916 | 768 | Notes: PWID (persons wh | | | | | |
| 50-59 | 2,800 | 2,373 | 2,127 | 1,347 | 1,193 | reported risk other than s | | | | | |
| 60+ | 1,888 | 1,626 | 1,494 | 1,027 | 951 | HIV. Nearly all (90%) wit | | | , | | |
| CDC youth:13-24 | 370 | 290 | 231 | 170 | 126 | include both MSM alone a | | | - | | |

Care among Detroit Metro Area Ryan White clients, 2019

The following strata include Ryan White (RW) clients only. RW clients are individuals who received at least one RW funded service during the given year. Because receiving a service is highly correlated with care, use In Care as the total (not PLWH) when comparing VS or MU among RW clients and other PLWH.

| | PLWH | In Care | VS | MU elig | MU |
|----------------|------------|-----------|-------|---------|-------|
| Any Ryan White | (RW) servi | ce during | 2019 | | |
| DMA Total | 10,395 | 8,631 | 7,411 | 4,785 | 4,073 |
| No RW service | 5,034 | 3,438 | 2,913 | 1,691 | 1,525 |
| RW Client | 5,361 | 5,193 | 4,498 | 3,094 | 2,548 |

| Ryan White service source (persons may be included in multiple) | | | | | |
|---|-------|-------|-------|-------|-------|
| ADAP | 1,416 | 1,383 | 1,265 | 874 | 786 |
| Part A | 3,512 | 3,412 | 2,928 | 2,023 | 1,618 |
| Part B | 1,085 | 1,056 | 986 | 696 | 625 |
| Part C | 1,950 | 1,929 | 1,678 | 1,220 | 1,017 |
| Part D | 891 | 856 | 733 | 555 | 432 |

Last reported residence by Local Health Department Jurisdiction

| Detroit LHD ¹ | 3,179 | 3,077 | 2,601 | 1,819 | 1,452 |
|--------------------------|-------|-------|-------|-------|-------|
| Lapeer Co. | 11 | | | | |
| Macomb Co. | 488 | 471 | 431 | 295 | 258 |
| Monroe Co. | 21 | | | | |
| Oakland Co. | 880 | 853 | 765 | 528 | 459 |
| St. Clair Co. | 23 | | | | |
| Wayne Co. | 734 | 717 | 636 | 407 | 345 |
| Prison ² | 25 | | | | |

Cities with at least 45 PLWH who received a RW service

| Clinton Township | 70 | 67 | 65 | 44 | 42 |
|------------------|-------|-------|-------|-------|-------|
| Dearborn Heights | 46 | 44 | 40 | 29 | 25 |
| Detroit | 2,957 | 2,856 | 2,410 | 1,680 | 1,340 |
| Eastpointe | 64 | 62 | 55 | 37 | 34 |
| Ferndale | 60 | 58 | 55 | 40 | 36 |
| Hamtramck | 58 | 57 | 51 | 39 | 34 |
| Highland Park | 116 | 116 | 99 | 70 | 56 |
| Inkster | 95 | 91 | 74 | 41 | 30 |
| Oak Park | 51 | 49 | 41 | 30 | 23 |
| Pontiac | 199 | 193 | 162 | 105 | 82 |
| Redford | 85 | 84 | 71 | 55 | 41 |
| Roseville | 48 | 46 | 43 | 26 | 23 |
| | | | | | |

| | PLWH | In Care | VS | MU elig | MU |
|-----------------------------|---------|-------------|-----------|--------------|------|
| Cities with at least | 45 PLWF | l who recei | ived a RV | V service (c | ntd) |
| Royal Oak | 49 | 47 | 45 | 30 | 27 |
| Southfield | 194 | 190 | 170 | 126 | 108 |
| Sterling Heights | 46 | 44 | 41 | 32 | 30 |
| Taylor | 54 | 53 | 47 | 29 | 24 |
| Warren | 121 | 118 | 105 | 70 | 61 |
| Westland | 94 | 91 | 80 | 50 | 42 |

Any period of unstable housing reported during the year

| Yes | 354 | 341 | 254 | 190 | 128 |
|-------------------|-------|-------|-------|-------|-------|
| No, stably housed | 4,801 | 4,688 | 4,113 | 2,834 | 2,362 |
| No information | 206 | 164 | 131 | 70 | 58 |

Any period without health insurance reported during the year

| Yes | 704 | 684 | 574 | 387 | 307 |
|--------------------|-------|-------|-------|-------|-------|
| No, always insured | 4,592 | 4,472 | 3,895 | 2,697 | 2,233 |
| No information | 65 | 37 | 29 | 10 | 8 |

Last reported insurance type during the year

| Medicaid | 2,579 | 2,494 | 2,054 | 1,428 | 1,084 |
|----------------|-------|-------|-------|-------|-------|
| Medicare | 1,156 | 1,136 | 1,034 | 763 | 669 |
| Private | 1,011 | 995 | 924 | 596 | 537 |
| Other | 109 | 107 | 100 | 66 | 62 |
| Uninsured | 441 | 424 | 357 | 231 | 188 |
| No information | 65 | 37 | 29 | 10 | 8 |

| Poverty Level | | | | | |
|--------------------|-------|-------|-------|-------|-------|
| At or above | | | | | |
| poverty line | 2,211 | 2,168 | 1,959 | 1,337 | 1,176 |
| Below poverty line | 3,150 | 3,025 | 2,539 | 1,757 | 1,372 |

¹Detroit LHD includes the cities of Detroit, Highland Park, Hamtramck, Harper Woods, & the Grosse Pointes. Detroit, under "Cities with at least 45 PLWH", includes only residents of the city of Detroit.

²Persons in prisons (state or federal) located in the DMA. Excluded from city strata.

Care among Detroit Metro Area Ryan White clients, 2019

The following strata include Ryan White (RW) clients only. RW clients are individuals who received at least one RW funded service during the given year. Because receiving a service is highly correlated with care, use In Care as the total (not PLWH) when comparing VS or MU among RW clients and other PLWH.

| | PLWH | In Care | VS | MU elig | MU |
|--|------------|------------|-------------|---------|-------|
| Gender | | | | | |
| Cis men | 3,971 | 3,858 | 3,363 | 2,296 | 1,907 |
| Cis women | 1,267 | 1,218 | 1,045 | 736 | 593 |
| Transgender | 123 | 117 | 90 | 62 | 48 |
| Race & Ethnicity ¹ | | | | | |
| Black/AA | 4,102 | 3,969 | 3,367 | 2,340 | 1,879 |
| Latinx | 243 | 237 | 213 | 140 | 123 |
| White | 835 | 813 | 770 | 505 | 454 |
| Multi/Other | 181 | 174 | 148 | 109 | 92 |
| Age (yrs) on Decer | nber 31, | 2019 | | | |
| 00-19 | 44 | | | | |
| 20-29 | 770 | 728 | 574 | 410 | 286 |
| 30-39 | 1,157 | 1,122 | 909 | 588 | 443 |
| 40-49 | 1,050 | 1,010 | 880 | 596 | 488 |
| 50-59 | 1,431 | 1,394 | 1,262 | 843 | 735 |
| 60+ | 909 | 899 | 838 | 620 | 568 |
| Youth:15-29 | 798 | 754 | 595 | 434 | 304 |
| CDC youth:13-24 | 226 | 211 | 167 | 131 | 93 |
| Other select popula | ations | | | | |
| PWID ² | 565 | 549 | 485 | 346 | 287 |
| Black/AA MSM ³ Young (15-29) | 2,247 | 2,171 | 1,820 | 1,258 | 1,001 |
| Black/AA MSM ³ | 499 | 471 | 379 | 255 | 183 |
| | | | | | |
| Young (15-29) Black | /AA Men (` | YBM) compa | ared to oth | ers | |
| YBM | 557 | 525 | 415 | 290 | 201 |
| Other youth 15-29 | 241 | 229 | 180 | 144 | 103 |
| 30+ years old | 4,547 | 4,425 | 3,889 | 2,647 | 2,234 |

¹Latinx persons may be of any race. Black/AA, Latinx, White, & Multi/Other are mutually exclusive categories.

²PWID (persons who inject drugs) includes PWID alone as well as MSM/PWID

³Black/AA MSM include both MSM alone as well as MSM/PWID.

Care among Ryan White PART A clients (may live anywhere in MI), 2019

The following strata include Ryan White (RW) clients who recieved at least one service from a Part A funded entity. Because receiving a service is highly correlated with care, use In Care as the total (not PLWH) when comparing VS or MU among RW clients and other PLWH.

| | PLWH | In Care | VS | MU elig | MU | | PLWH | In Care | VS | MU elig | MU |
|--------------------------|---------------|--------------|------------|-------------|---------|--|----------------|-----------------|---------------|------------------|----------|
| Part A ¹ | 3,603 | 3,502 | 3,006 | 2,079 | 1,661 | Race & Ethnicity ³ | | | | | |
| | | | | | | Black/AA | 2,722 | 2,641 | 2,213 | 1,561 | 1,207 |
| Ryan White (RW | V) Part A cli | ients also r | eceived s | ervices fro | m: | Latinx | 178 | 175 | 158 | 99 | 85 |
| ADAP | 922 | 913 | 834 | 577 | 509 | White | 582 | 568 | 536 | 343 | 306 |
| Part B | 760 | 751 | 692 | 512 | 442 | Multi/Other | 121 | 118 | 99 | 76 | 63 |
| Part C | 807 | 801 | 682 | 537 | 423 | | | | | | |
| Part D | 437 | 430 | 365 | 283 | 203 | Age (yrs) on Dece | mber 31, | 2019 | | | |
| | | | | | | 00-19 | 24 | | | | |
| Last reported re | esidence by | Local Heal | th Depart | ment Juris | diction | 20-29 | 554 | 534 | 424 | 309 | 210 |
| DMA | 3,498 | 3,400 | 2,921 | 2,019 | 1,616 | 30-39 | 799 | 776 | 614 | 414 | 293 |
| Detroit LHD ² | 2,037 | 1,969 | 1,646 | 1,170 | 899 | 40-49 | 724 | 701 | 604 | 412 | 333 |
| Lapeer Co. | 8 | | | | | 50-59 | 942 | 912 | 831 | 554 | 476 |
| Macomb Co. | 305 | 296 | 271 | 177 | 150 | 60+ | 560 | 555 | 513 | 368 | 333 |
| Monroe Co. | 9 | | | | | Youth:15-29 | 575 | 555 | 441 | 329 | 224 |
| Oakland Co. | 620 | 608 | 534 | 370 | 313 | CDC youth:13-24 | 179 | 172 | 139 | 107 | 75 |
| St. Clair Co. | 16 | | | | | | | | | | |
| Wayne Co. | 503 | 495 | 439 | 280 | 236 | Other select popul | lations | | | | |
| Outstate | 76 | 75 | 65 | 49 | 38 | PWID ⁴ | 383 | 369 | 327 | 233 | 191 |
| Prison | 29 | | | | | Black/AA MSM ⁵ Young (15-29) | 1,536 | 1,489 | 1,242 | 875 | 668 |
| Cities with at lea | ast 45 PLW | H who rece | eived a RV | N Part A se | ervice | Black/AA MSM ⁵ | 361 | 349 | 284 | 202 | 139 |
| Detroit | 1,899 | 1,831 | 1,531 | 1,089 | 836 | | | | | | |
| Highland Park | 78 | 78 | 64 | 45 | 35 | Young (15-29) Black | k/AA Men (| (YBM) comp | ared to ot | hers | |
| Inkster | 74 | 70 | 55 | 32 | 23 | YBM | 395 | 525 | 415 | 290 | 201 |
| Pontiac | 167 | 163 | 135 | 90 | 68 | Other youth 15-29 | 180 | 30 | 26 | 39 | 23 |
| Redford | 54 | 54 | 47 | 37 | 28 | 30+ years old | 3,025 | 2,944 | 2,562 | 1,748 | 1,435 |
| Southfield | 126 | 123 | 107 | 84 | 70 | 1 | | | | | |
| Warren | 80 | 78 | 71 | 49 | 40 | ¹ An additional 47 persons by the year end. These in | | | uring the yea | ar and lived out | of state |
| Westland | 62 | 61 | 55 | 32 | 27 | ² Detroit LHD includes the the Grosse Pointes. Detroit | cities of Det | roit, Highland | , | , 1 | , |
| Gender | | | | | | of the city of Detroit. ³ Latinx persons may be o | fany race | lack/AA Latin | v White % M | /ulti/Other are | mutually |
| Cis men | 2,670 | 2,606 | 2,251 | 1,560 | 1,259 | exclusive categories. | any lace. D | nack/AA, Ldliil | , while, dr | | mutually |
| Cis women | 828 | 796 | 678 | 468 | 363 | ⁴ PWID (persons who inject | ct drugs) incl | udes PWID alo | ne as well a | s MSM/PWID | |
| Transgender | 105 | 100 | 77 | 51 | 39 | ⁵ Black/AA MSM include bo | oth MSM alor | ne as well as M | SM/PWID. | | |

page 16



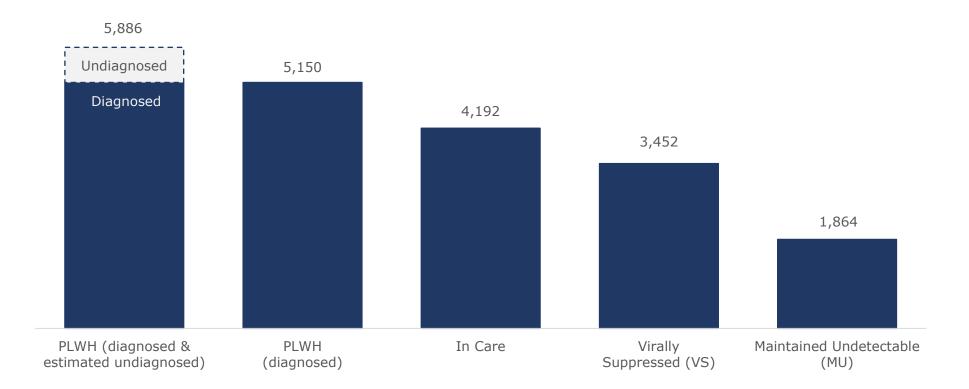
Detroit LHD Jurisdiction, 2019

Persons living with HIV where last known residence as of December 31, 2019 was within Detroit Health Department's Jurisdiction (Detroit, Highland Park, Hamtramck, Harper Woods, & the Grosse Pointes)

Includes persons in prisons located in the Detroit LHD Jurisdiction

Detroit LHD Jurisdiction HIV Care Continuum, 2019

The HIV Care Continuum was developed by the CDC to assess gaps in care. Based on the care continuums and other trends observed, Michigan programs need to focus on linking and retaining persons living with HIV (PLWH) in care. This will improve the maintenance of low viral load levels, improving the health of PLWH and reducing the risk of HIV transmission.



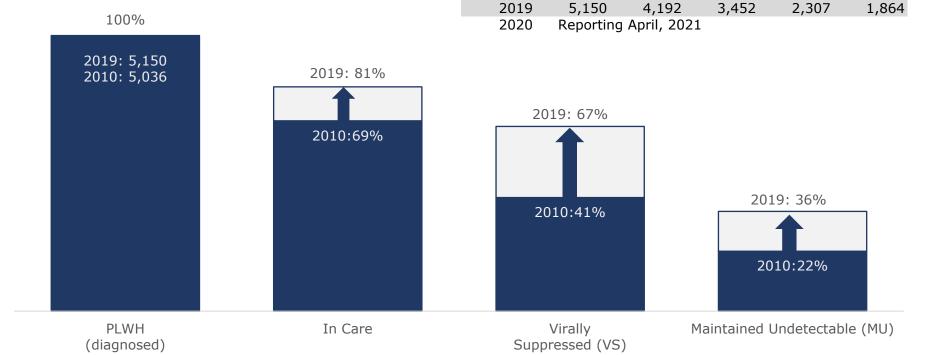
PLWH (diagnosed & estimated undiagnosed) - An estimated 14% of PLWH in Michigan have not yet been diagnosed. This measure is applied only to regional totals. PLWH (diagnosed) is the reference for all reports produced by MDHHS. PLWH (diagnosed) - PLWH diagnosed before Jan 1 and alive Dec 31 of the given year. In Care - PLWH with at least 1 CD4, viral load, or genotype lab test during the given year. Virally Suppressed - PLWH with less than 200 copies of HIV virus per milliliter of blood (<200c/mL).

Maintained Undetectable - PLWH who maintained viral load levels <200c/mL for at least 4-8 months.

Detroit LHD Jurisdiction HIV Care Continuum, 2010 - 2019

Over the last decade, improvements were made at every stage along the continuum. Although not displayed here, these improvements are observed among all populations - gender, race, ethnicity, age, sexual orientation, and residence. Currently, further improvements at the viral suppression stage are hindered by the proportion in care. Michigan needs to focus on increasing the proportion of PLWH in care, and viral suppression should follow

Comparing the 2010 Detroit LHD HIV Care Continuum to 2019



Year

2010

2011

2012

2013

2014

2015

2016

2017

2018

PLWH (diagnosed) - PLWH diagnosed before Jan 1 and alive Dec 31 of the given year. In Care - PLWH with at least 1 CD4, viral load, or genotype lab test during the given year. Virally Suppressed - PLWH with less than 200 copies of HIV virus per milliliter of blood (<200c/mL). Maintained Undetectable - PLWH who maintained viral load levels <200c/mL for at least 4-8 months. page 19

MU

1,095

1,138

1,226

1,302

1,346

1,499

1,626

1,823

1,843

In Care

3,478

3,527

3,698

3,715

3,619

3,728

3,929

3,986

4,074

VS

2,075

2,216

2,376

2,653

2,648

2,866

3,149

3,261

3,360

MU eliq

1,912

1,892

1,963

1,909

1,923

1,991

2,172

2,275

2,274

PLWH

5,036

5,111

5,194

5,323

4,821

4,740

4,897

4,908

4,953

Detroit LHD Jurisdiction Geographic Stratification, 2019 (last reported address)

| | PLWH | In Care | VS | MU elig | MU |
|-----------------------------|----------|---------|-------|---------|-------|
| Detroit LHD ¹ | 5,150 | 4,192 | 3,452 | 2,307 | 1,864 |
| Det LHD excl prison | 5,122 | 4,173 | 3,438 | 2,301 | 1,860 |
| Det LHD prison ² | 28 | | | | |
| | | | | | |
| Cities (excl PLWH in pri | son) | | | | |
| Detroit | 4,711 | 3,847 | 3,162 | 2,114 | 1,709 |
| Grosse Pointes | 62 | 58 | 51 | 29 | 23 |
| Hamtramck | 91 | 75 | 64 | 45 | 40 |
| Harper Woods | 59 | 50 | 41 | 33 | 26 |
| Highland Park | 199 | 143 | 120 | 80 | 62 |
| | | | | | |
| Prison population info | ormation | | | | |
| Any prison, 2019 | 40 | | | | |
| Ever in prison | 415 | 336 | 248 | 180 | 120 |

¹Detroit LHD includes the cities of Detroit, Highland Park, Hamtramck, Harper Woods, & the Grosse Pointes. Detroit, under "Cities", includes only residents of the city of Detroit.

²Persons in prisons (state or federal) located in the DMA. Reported separately for geographic stratification; included in demographic and Ryan White strata.

Detroit LHD Jurisdiction Demographic Stratification, 2019

| | PLWH | In Care | vs | MU elig | MU | | PLWH | In Care | vs | MU elig | MU |
|-------------------------------|---------------------|---------|-------|---------|-------|---|-------------|----------------|---------------|-----------------------------|----------|
| Gender | | | | | | Risk/Gender ⁴ | | | | | |
| Cis men | 3,822 | 3,104 | 2,561 | 1,699 | 1,381 | Sex w men | 3,466 | 2,904 | 2,393 | 1,586 | 1,293 |
| Cis women | 1,217 | 991 | 819 | 557 | 443 | Cis men | 2,538 | 2,105 | 1,734 | 1,144 | 939 |
| Transgender ¹ | 111 | 97 | 72 | 51 | 40 | Cis women | 825 | 708 | 593 | 394 | 317 |
| | | | | | | Transgender | 103 | 91 | 66 | 48 | 37 |
| Race, Ethnicity, & | Gender ² | | | | | PWID | 394 | 291 | 241 | 173 | 134 |
| Black/AA | 4,509 | 3,658 | 2,977 | 2,007 | 1,605 | Cis men | 209 | 162 | 136 | 92 | 70 |
| Cis men | 3,312 | 2,669 | 2,168 | 1,454 | 1,166 | Cis women | 185 | 129 | 105 | 81 | 64 |
| Cis women | 1,097 | 903 | 746 | 510 | 406 | Sex w men & PWID | 172 | 137 | 111 | 86 | 65 |
| Transgender | 100 | 86 | 63 | 43 | 33 | Cis men | 169 | 135 | 109 | 86 | 65 |
| Latinx | 185 | 154 | 138 | 85 | 69 | Transgender | 3 | | | | |
| Cis men | 137 | 117 | 107 | 65 | 54 | Sex w women | 217 | 178 | 146 | 87 | 77 |
| Cis women | 44 | | | | | Cis men | 217 | 178 | 146 | 87 | 77 |
| Transgender | 4 | | | | | Transgender | 0 | | | | |
| White | 322 | 268 | 244 | 150 | 133 | Other | 51 | 42 | 32 | 34 | 20 |
| Cis men | 270 | 233 | 215 | 128 | 116 | Cis men | 30 | 23 | 17 | 18 | 10 |
| Cis women | 49 | 32 | 26 | 19 | 14 | Cis women | 21 | 19 | 15 | 16 | 10 |
| Transgender | 3 | | | | | Unknown | 850 | 640 | 529 | 341 | 275 |
| Multi/Other | 133 | 112 | 93 | 65 | 57 | Cis men | 659 | 501 | 419 | 272 | 220 |
| Cis men | 102 | 85 | 71 | 52 | 45 | Cis women | 186 | 135 | 106 | 66 | 52 |
| Cis women | 27 | | | | | Transgender | 5 | | | | |
| Transgender | 4 | | | | | | | | | | |
| Arab/Middle | | | | | | Other select popul | | | | | |
| Eastern descent | 12 | | | | | Black/AA MSM ⁵ | 2,386 | 1,961 | 1,578 | 1,062 | 850 |
| | | | | | | Young (15-29) | | | | | |
| Country of Birth ³ | | | | | | Black/AA MSM ⁵ | 490 | 376 | 280 | 184 | 133 |
| USA | 3,783 | 3,077 | 2,512 | 1,706 | 1,359 | | | | | | |
| US Territory | 21 | | | | | Young (15-29) Bla | | 1en (YBM) | | l to others | |
| Foreign | 83 | 58 | 53 | 33 | 29 | YBM | 562 | 426 | 308 | 211 | 146 |
| | | | | | | Other youth 15-29 | 175 | 148 | 106 | 86 | 61 |
| Age (yrs) on Dece | mber 31, | , 2019 | | | | 30+ years old | 4,404 | 3,610 | 3,030 | 2,004 | 1,652 |
| 00-14 | 9 | | | | | ¹ Most (99%) of Transgen | der persons | identify as ma | le to female. | ² Persons with u | Inknown |
| 15-19 | 19 | | | | | race (1) are not included | | | | | |
| 20-29 | 718 | 556 | 400 | 281 | 195 | Latinx, White, & Multi/Oth | | , | | | |
| 30-39 | 1,167 | 941 | 714 | 441 | 319 | Eastern descent may be o | | | | | |
| 40-49 | 997 | 801 | 667 | 440 | 350 | categories. ³ The country of | | | | | |
| 50-59 | 1,289 | 1,077 | 941 | 630 | 543 | LHD area. ⁴ Risk/Gender N "Sex w women" have no i | | | | | |
| 60+ | 951 | 791 | 708 | 493 | 440 | woman at high risk for HI | | | | | |
| CDC youth:13-24 | 192 | 152 | 116 | 91 | 64 | MSM include both MSM al | | | | | Lineight |

Care among Ryan White clients living in the Detroit LHD Jurisdiction, 2019

The following strata include Ryan White (RW) clients only. RW clients are individuals who received at least one RW funded service during the given year. Because receiving a service is highly correlated with care, use In Care as the total (not PLWH) when comparing VS or MU among RW clients and other PLWH.

| | PLWH | In Care | VS | MU elig | MU |
|-------------------|-----------|------------|-------|---------|-------|
| Any Ryan White (R | W) servic | e during 2 | 019 | | |
| Detroit LHD Total | 5,122 | 4,173 | 3,438 | 2,301 | 1,860 |
| No RW service | 1,953 | 1,098 | 838 | 482 | 408 |
| RW Client | 3,197 | 3,094 | 2,614 | 1,825 | 1,456 |

| Ryan White service source (persons may be included in multiple) | | | | | | | |
|---|-------|-------|-------|-------|-----|--|--|
| ADAP | 625 | 612 | 547 | 396 | 351 | | |
| Part A | 2,047 | 1,978 | 1,652 | 1,173 | 901 | | |
| Part B | 451 | 441 | 412 | 289 | 256 | | |
| Part C | 1,460 | 1,447 | 1,250 | 897 | 732 | | |
| Part D | 635 | 611 | 518 | 394 | 302 | | |

| | PLWH | In Care | VS | MU elig | MU |
|-------------------|-------------|-----------|----------|---------|-----|
| Last reported ins | surance typ | be during | the year | | |
| Medicaid | 1,804 | 1,743 | 1,421 | 987 | 735 |
| Medicare | 639 | 631 | 562 | 440 | 382 |
| Private | 457 | 451 | 412 | 255 | 220 |
| Other | 45 | 44 | 40 | 23 | 22 |
| Uninsured | 213 | 208 | 169 | 114 | 92 |
| No information | 39 | | | | |
| | | | | | |
| Poverty Level | | | | | |

| Poverty Level | | | | | |
|--------------------|-------|-------|-------|-------|-----|
| At or above | | | | | |
| poverty line | 1,083 | 1,069 | 950 | 651 | 562 |
| Below poverty line | 2,114 | 2,025 | 1,664 | 1,174 | 894 |

Last reported residence by Local Health Department Jurisdiction

| Detroit LHD ¹ | 3,179 | 3,077 | 2,601 | 1,819 | 1,452 |
|--------------------------|-------|-------|-------|-------|-------|
| Prison ² | 18 | | | | |

Last reported city of residence among RW clients

| Detroit | 2,957 | 2,856 | 2,410 | 1,680 | 1,340 |
|----------------|-------|-------|-------|-------|-------|
| Grosse Pointes | 21 | | | | |
| Hamtramck | 58 | 57 | 51 | 39 | 34 |
| Harper Woods | 27 | | | | |
| Highland Park | 116 | 116 | 99 | 70 | 56 |

Any period of unstable housing reported during the year

| Yes | 228 | 219 | 157 | 127 | 85 |
|-------------------|-------|-------|-------|-------|-------|
| No, stably housed | 2,874 | 2,809 | 2,415 | 1,673 | 1,353 |
| No information | 95 | 66 | 42 | 25 | 18 |

Any period without health insurance reported during the year

| Yes | 355 | 350 | 285 | 196 | 148 |
|--------------------|-------|-------|-------|-------|-------|
| No, always insured | 2,803 | 2,727 | 2,319 | 1,623 | 1,303 |
| No information | 39 | | | | |

¹Detroit LHD includes the cities of Detroit, Highland Park, Hamtramck, Harper Woods, & the Grosse Pointes. Detroit, under "Last reported city", includes only residents of the city of Detroit.

 $^{2}\mbox{Persons}$ in prisons (state or federal) located in the Detroit LHD area. Excluded from city strata.

Care among Ryan White clients living in the Detroit LHD Jurisdiction, 2019

The following strata include Ryan White (RW) clients only. RW clients are individuals who received at least one RW funded service during the given year. Because receiving a service is highly correlated with care, use In Care as the total (not PLWH) when comparing VS or MU among RW clients and other PLWH.

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| | PLWH | In Care | VS | MU elig | MU | | | | |
|--|---------------|-----------------|--------------|-----------------|---------|--|--|--|--|
| Gender | | | | | | | | | |
| Cis men | 2,315 | 2,246 | 1,908 | 1,308 | 1,047 | | | | |
| Cis women | 794 | 763 | 643 | 470 | 373 | | | | |
| Transgender | 88 | 85 | 63 | 47 | 36 | | | | |
| Race & Ethnicity ¹ | | | | | | | | | |
| Black/AA | 2,858 | 2,761 | 2,316 | 1,635 | 1,297 | | | | |
| Latinx | 122 | 120 | 109 | 67 | 54 | | | | |
| White | 135 | 134 | 124 | 76 | 65 | | | | |
| Multi/Other | 82 | 79 | 65 | 47 | 40 | | | | |
| Age (yrs) on December 31, 2019 | | | | | | | | | |
| 00-19 | 23 | | | | | | | | |
| 20-29 | 464 | 434 | 322 | 243 | 164 | | | | |
| 30-39 | 714 | 693 | 543 | 347 | 241 | | | | |
| 40-49 | 613 | 589 | 505 | 345 | 276 | | | | |
| 50-59 | 838 | 816 | 729 | 506 | 436 | | | | |
| 60+ | 545 | 539 | 495 | 363 | 323 | | | | |
| Youth:15-29 | 480 | 450 | 335 | 258 | 175 | | | | |
| CDC youth:13-24 | 141 | 132 | 102 | 83 | 58 | | | | |
| Other select popula | ations | | | | | | | | |
| PWID ² | 350 | 339 | 294 | 218 | 170 | | | | |
| Black/AA MSM ³ Young (15-29) | 1,545 | 1,488 | 1,233 | 859 | 679 | | | | |
| Black/AA MSM ³ | 323 | 300 | 232 | 158 | 113 | | | | |
| | | | | | | | | | |
| Young (15-29) Black | • | , , | | | 104 | | | | |
| YBM | 361 | 336 | 255 | 182 | 124 | | | | |
| Other youth 15-29 | 119 | 114 | 80 | 76 | 51 | | | | |
| 30+ years old | 2,710 | 2,637 | 2,272 | 1,561 | 1,276 | | | | |
| ¹ Latinx persons may be of | any race. Bla | ack/AA, Latinx, | White, & Mul | ti/Other are mu | utually | | | | |

exclusive categories.

 $^{2}\mbox{PWID}$ (persons who inject drugs) includes PWID alone as well as MSM/PWID

 $^3\textsc{Black}/\textsc{AA}$ MSM include both MSM alone as well as MSM/PWID.