HIV Care in New York State, 2018: Linkage to Care and Viral Suppression Among Persons with Diagnosed HIV Residing in New York State

AIDS Institute New York State Department of Health

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Executive Summary

In 2014, the Governor of New York State (NYS) outlined the Ending the Epidemic (ETE) initiative, a plan to end the AIDS epidemic in NYS. As part of the three-point plan, increased efforts are being directed towards: 1) identifying persons with HIV who remain undiagnosed and linking them to care; 2) linking and retaining in healthcare persons diagnosed with HIV to maximize viral suppression; and 3) increasing access to Pre-Exposure Prophylaxis (PrEP) for persons who are at risk for acquiring HIV.

The provision of appropriate medical care for persons living with diagnosed HIV (PLWDH) is a key feature of the ETE initiative. In addition to the immediate benefit to the PLWDH, persons retained in successful treatment who have achieved and maintained viral suppression are effectively not able to sexually transmit the virus. The HIV care cascade is one tool for assessing the extent and effectiveness of HIV medical care in NYS.

The attached report summarizes 2018 NYS Department of Health (NYSDOH) HIV Surveillance data for two of the three pillars of ETE: 1) identify persons diagnosed with HIV and link them to HIV medical care and 2) link and retain persons diagnosed with HIV in care.

New York State Results

Major Findings

Linkage to Care

In order to achieve ETE goals, persons newly diagnosed with HIV need to be linked to HIV medical care as quickly as possible. By the end of 2020, NYS is striving to link 90% of persons newly diagnosed with HIV to medical care within 30 days of diagnosis.

- In 2018, 82% of persons newly diagnosed with HIV in NYS showed evidence of linkage to care within <u>30 days</u> of diagnosis. NYS is above the United States (U.S.) 2017 average (78%).¹
- In 2018, 91% of persons newly diagnosed with HIV in NYS showed evidence of linkage to care within <u>91 days</u> of diagnosis. NYS is above the U.S. 2017 average (87%).¹

Any HIV Care

Linking and retaining in healthcare persons diagnosed with HIV to maximize viral suppression is key to ETE.

• In 2018, 84% of PLWDH in NYS showed evidence of any care during the year. Continuous care (≥2 visits/year, ≥91 days apart) was observed for 69% of PLWDH. NYS continues to be above the U.S. average for both measures. The most recent national level estimates indicate that in 2016, 74% of PLWDH in the U.S. had any evidence of care and 58% were in continuous care.¹

Viral Suppression

Persons who achieve and maintain sustained viral suppression (an undetectable viral load (VL) for an extended time) are effectively unable to sexually transmit HIV. By the end of 2020, NYS is striving for at least 85% of PLWDH in NYS to achieve viral suppression.

• In 2018, 75% of PLWDH in NYS were virally suppressed. This is above the last released national level estimates indicating in 2016 62% of PLWDH in the U.S. were virally suppressed.¹

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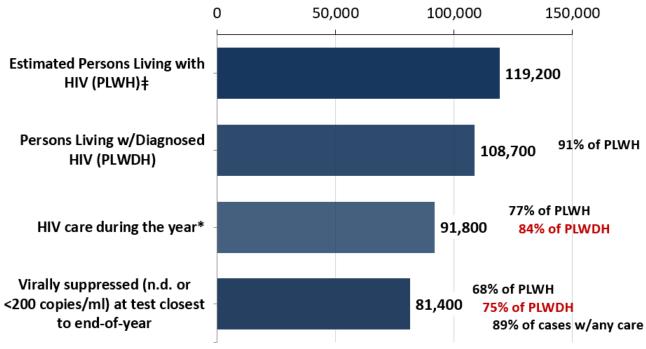
1

¹ Centers for Disease Control and Prevention. Monitoring selected national HIV prevention and care objectives by using HIV surveillance data—United States and 6 dependent areas, 2017. HIV Surveillance Supplemental Report 2019;24(No. 3). http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html. Published June 2019. Accessed [08/2019].

The sections that follow present estimates of linkage to care and viral suppression in NYS. These estimates are based on data from the NYS HIV Surveillance System using methods defined by the Centers for Disease Control and Prevention (CDC). The **Technical Notes and Appendices** section provides detailed tables and explanations of methods and data sources. The Cascade of HIV Care presents a picture of the total HIV population in NYS at one point in time, across the continuum of care from transmission through diagnosis, participation in care, and success of care (2018 NYS English and Spanish cascades can be found here. Caution is advised in comparing cascade outcomes from different sources. Measures presented by different sources may be calculated differently or use different information even though their titles are similar. In addition, measures used in cascades from the same data source but created at different time points may use different definitions.

New York State Cascade of HIV Care, 2018

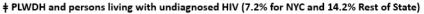




Department

of Health

†Based on most recent address, regardless of where diagnosed. Excludes persons with AIDS with no evidence of care for 5 years and persons with diagnosed HIV (non-AIDS) with no evidence of care for 8 years.



^{*}Any VL, CD4, or nucleotide sequence test during the year

New York State HIV Care Outcome Measures

Linkage to Care after Diagnosis (Appendix Table A)

82% of persons newly diagnosed with HIV showed evidence of linkage to care within 30 days of diagnosis and 91% showed evidence of linkage to care within 91 days of diagnosis.

| Linkage to Care within 30 days of diagnosis | | | | | | |
|---|--|--|--|--|--|--|
| Variable | Observation | | | | | |
| Region | New York City (NYC) (82%) > Rest of State (ROS) (81%); | | | | | |
| | Highest in the Buffalo Ryan White region (RWR) (95%); | | | | | |
| | Lowest in the Syracuse RWR (67%) | | | | | |
| Sex | Males (84%) > Females (77%) | | | | | |
| Race/Ethnicity* | Multi Race (87%) > Asian/Pacific Islander (85%) > Hispanic (84%) > | | | | | |
| | Non-Hispanic White (82%) > Non-Hispanic Black (79%) | | | | | |
| Age | Highest for ages 13-19 years and 50-59 years (84%, respectively); | | | | | |
| | Lowest for ages 30-39 years (81%) | | | | | |
| Transmission | Pediatric (100%) > History of both male-to-male sexual contact and | | | | | |
| Risk | injection drug use (MSM/IDU) (91%) > History of male-to-male sexual | | | | | |
| | contact (MSM) (86%) > Heterosexual (77%) > History of injection drug | | | | | |
| | use (IDU) (74%) | | | | | |

^{*} Zero new diagnosis documented among Native Americans

| Linkage to Care within 91 days of diagnosis | | | | | |
|---|---|--|--|--|--|
| Variable | Observation | | | | |
| Region | NYC (92%) > ROS (90%); | | | | |
| | Highest in the Binghamton RWR (100%); | | | | |
| | Lowest in the Syracuse RWR (83%) | | | | |
| Sex | Males (92%) > Females (90%) | | | | |
| Race/Ethnicity* | Multi Race (94%) > Hispanic (93%) > Non-Hispanic White and | | | | |
| | Asian/Pacific Islander (91%, respectively) > Non-Hispanic Black (90%) | | | | |
| Age | Highest for ages 20-24 years, 25-29 years and 50-59 years (92%, | | | | |
| | respectively); | | | | |
| | Lowest for ages 13-19 years (88%) | | | | |
| Transmission | Pediatric (100%) > MSM and MSM/IDU (94%, respectively) > | | | | |
| Risk | Heterosexual (90%) > IDU (86%) | | | | |

^{*} Zero new diagnoses documented among Native Americans

Measures of Care $(Appendix\ Table\ B)^2$

84% of PLWDH showed evidence of any care during the year. Continuous care (\geq 2 laboratory tests/year, separated by \geq 91 days) was observed for 69% of PLWDH.

| | Any Care | | | | | | |
|----------------|---|--|--|--|--|--|--|
| Variable | Observation | | | | | | |
| Region | NYC (86%) > ROS (79%); | | | | | | |
| | Highest in the Rochester RWR (84%); | | | | | | |
| | Lowest in the Mid-Hudson RWR (76%) | | | | | | |
| Sex | Females (86%) > Males (84%) | | | | | | |
| Race/Ethnicity | Multi Race (86%) > Hispanic (85%) > Non-Hispanic Black (84%) > Non- | | | | | | |
| | Hispanic White (83%) > Asian/Pacific Islander (81%) > Native American | | | | | | |
| | (78%) | | | | | | |
| Age | Highest for ages 13-19 years and 60+ years (88%, respectively); | | | | | | |
| | Lowest for ages 30-39 years (79%) | | | | | | |
| Transmission | Blood Products (88%) > IDU and MSM/IDU (87%, respectively) > | | | | | | |
| Risk | Heterosexual (85%) > Pediatric and MSM (84%, respectively) | | | | | | |

| Continuous Care | | | | | | |
|-----------------|---|--|--|--|--|--|
| Variable | Observation | | | | | |
| Region | NYC (71%) > ROS (62%); | | | | | |
| | Highest in the Rochester RWR (66%) RWR; | | | | | |
| | Lowest in the Mid-Hudson RWR and Binghamton RWR (57%, respectively) | | | | | |
| Sex | Females (71%) > Males (68%) | | | | | |
| Race/Ethnicity | nicity Hispanic (71%) > Multi Race (70%) > Non-Hispanic Black (69%) > | | | | | |
| | Asian/Pacific Islander (68%) > Non-Hispanic White (66%) > Native | | | | | |
| | American (55%) | | | | | |
| Age | Highest for ages 13-19 years (79%); | | | | | |
| | Lowest for ages 25-29 years and 30-39 years (61%, respectively) | | | | | |
| Transmission | IDU (75%) > MSM/IDU (71%) > Blood Products and Heterosexual (70%, | | | | | |
| Risk | respectively) > MSM (68%) > Pediatric (66%) | | | | | |

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² The continuity of care and viral suppression percentages may be underestimates, since laboratory tests performed in federal facilities (e.g. Veterans Affairs hospitals, US Immigration and Customs Enforcement facilities, and in clinical trials) are not comprehensively reported to the state.

Viral Suppression (Appendix Table C)

75% of PLWDH in NYS were virally suppressed, defined as having non-detectable VL or a VL <200 copies/ml at the last test of the year.

| Viral Suppression | | | | | | | |
|-------------------|---|--|--|--|--|--|--|
| Variable | Observation | | | | | | |
| Region | NYC (76%) > ROS (73%); | | | | | | |
| | Highest in Rochester RWR (76%); | | | | | | |
| | Lowest in the Mid-Hudson RWR (69%) | | | | | | |
| Sex | Females = Males (75%, respectively) | | | | | | |
| Race/Ethnicity | icity Non-Hispanic White (79%) > Asian/Pacific Islanders (77%) > Hispanic | | | | | | |
| | and Multi Race (76%, respectively) > Non-Hispanic Black and Native | | | | | | |
| | American (72%, respectively) | | | | | | |
| Age | Highest among those aged 60+ years (82%); | | | | | | |
| | Lowest among 20-24 years and 25-29 years (66%, respectively) | | | | | | |
| Transmission | Blood products (77%) > MSM and IDU (76%, respectively) > | | | | | | |
| Risk | Heterosexual (75%) > MSM/IDU (72%) > Pediatric (61%) | | | | | | |

Technical Notes and Appendices

Changes to the 2018 Report

After a systematic analysis, it was determined that the race and ethnicity variable as recorded on laboratory documents was causing a misclassification of persons into the "Hispanic" or "Multi Race" categories. Therefore, beginning in 2018, the race and ethnicity variables were no longer imported from laboratory documents. This change in methodology impacted the number of persons in the Hispanic and Multi Race categories as a portion of those got redistributed to more accurate classification of race/ethnicity.

New York State Methods for Counting Persons Living with Diagnosed HIV

Residence in NYS is based on the most recent address reported to the NYS HIV Surveillance System, regardless of the residence of the individual at the time of diagnosis. Persons residing outside of NYS at the time of HIV diagnosis, but whose most recent address reported to the HIV Surveillance System is in NYS, were included in the calculations (n=9,464). Individuals diagnosed in NYS whose most recently reported address indicated residence outside NYS were excluded (n=7.865).

In addition, individuals whose last report to the surveillance system was at least 5 years before December 2018 for persons diagnosed with AIDS or 8 years before December 2018 for persons diagnosed with HIV (not AIDS) were not included in the count or estimates of care and viral suppression. These persons are presumed to be either no longer living or no longer residing in NYS (n=22,670).

Contact Information

Please direct inquiries about these measures to:

Bureau of HIV/AIDS Epidemiology AIDS Institute, NYSDOH Empire State Plaza Albany New York 12237 518-474-4284 BHAE@health.ny.gov

Data Sources for Calculation of HIV Care Measures

Laboratory data used in these analyses are from the NYS HIV Surveillance System. NYS Public Health law requires the electronic reporting to the NYSDOH the result of any laboratory test, tests or series of tests approved for the diagnosis or periodic monitoring of HIV. This includes reactive initial HIV immunoassay results, all results (e.g. positive, negative, indeterminate) from supplemental HIV immunoassays (HIV-1/2 antibody differentiation assay, HIV-1 Western blot,

HIV-2 Western blot or HIV-1 Immunofluorescent assay), all HIV nucleic acid (RNA or DNA) detection test results (qualitative and quantitative; detectable and undetectable), CD4 lymphocyte counts and percentages, positive HIV detection tests (culture, antigen), and HIV genotypic resistance nucleotide sequence. Exempted from this rule are tests performed in clinical trials or in Federal facilities such as military sites or by the Veterans' Administration, though several exempted facilities do report in "the spirit of cooperation." Laboratory data are reported electronically to NYSDOH, which receives around 1.3 million HIV laboratory reports annually. Counts of PLWDH were derived from the BHAE statewide analysis file as of June 2018.

Counts shown in tables and figures may differ. The percentages for PLWDH shown in the report tables are based on persons who were diagnosed prior to the calendar year and lived to the end of the calendar year. Data shown in the report figures are based on all persons living with diagnosed HIV at the end of the calendar year regardless of when diagnosed.

Calculation of NYS Cascade Measures

1. Estimated persons living with HIV

CDC's national estimate (14.2%) for 2016 was applied to PLWDH residing in NYS, outside of NYC. An estimate of 7.2% was applied to PLWDH residing in NYC. Overall, the combined percentage unaware for NYS in 2018 was 8.8% (N=~10,500).

2. Persons living with diagnosed HIV

NYS uses methodology from the CDC to calculate the cascade measures. Therefore, the total number of PLWDH (Tables B and C) in the report will be different from the number of PLWDH in the cascade picture and other NYS reports. The CDC methodology for counting PLWDH: 1) excludes those \leq 12 years old; and 2) includes only persons diagnosed with HIV during the previous year (i.e., December 2017) or earlier, and alive at the end of the analysis year (i.e., December 2018).

3. PLWDH with any HIV care during the year

84% of PLWDH who were diagnosed and living during the entire year had at least one reported VL, CD4 or nucleotide sequence, regardless of result (Table B). This percentage was applied to the entire number of PLWDH as of December 2018.

4. PLWDH with continuous care during the year

69% of PLWDH who were diagnosed and alive during the entire year had at least two laboratory tests (VL, CD4 or nucleotide sequence) during the year which were separated by at least 91 days (Table B). This percentage was applied to the entire number of PLWDH as of December 2018. This estimate is not shown in the HIV care cascade.

5. Virally suppressed at test closest to end-of-year

Overall, VL results were received for 84% of PLWDH who were diagnosed and alive at the end of 2018. Of those with a VL test result, 89% had a suppressed VL (<200 copies/ml

or below) at the test closest to end-of-year. 75% of all PLWDH, including those with and without a reported VL, were virally suppressed at the test closest to end-of-year.

Identification of Incarcerated Individuals

Starting with the 2017 report, the definition of incarceration was expanded from PLWDH whose most recent address (as reported to the NYS HIV Surveillance System) indicated residence in a NYS Department of Corrections and Community Supervision (NYSDOCCS) facility to include residence in a city jail, county jail, or federal detention facility.

Individuals identified as currently incarcerated at the end of 2018 were excluded from Ryan White regional calculations in order to avoid the artificial inflation of HIV diagnoses and prevalence among counties with relatively low HIV rates among non-incarcerated persons.

Table A: Linkage to Care in 2018¹
Persons Newly Diagnosed with HIV, NYS, 2018²

| | All | Linkage within 30 days of dx | | Linkage within 91 days of dx | |
|--------------------------------------|--------------|---------------------------------|------------|---------------------------------|--------------|
| Residence at Diagnosis | | uujs | <u> </u> | au jo | <u> </u> |
| NYC | 1,862 | 1,534 | 82% | 1,705 | 92% |
| ROS | 609 | 495 | 81% | 550 | 90% |
| NYS Total | 2,471 | 2,029 | 82% | 2,255 | 91% |
| Ryan White Region at Dx ³ | | | | | |
| Albany | 68 | 55 | 81% | 61 | 90% |
| Binghamton | 11 | 10 | 91% | 11 | 100% |
| Buffalo | 58 | 55 | 95% | 57 | 98% |
| Lower Hudson | 101 | 84 | 83% | 92 | 91% |
| Mid-Hudson | 56 | 39 | 70% | 49 | 88% |
| Nassau/Suffolk | 178 | 144 | 81% | 162 | 91% |
| Rochester | 64 | 56 | 88% | 58 | 91% |
| Syracuse | 52 | 35 | 67% | 43 | 83% |
| Birth Sex | | | | | |
| Male | 1,947 | 1,628 | 84% | 1,785 | 92% |
| Female | 524 | 401 | 77% | 470 | 90% |
| Current Gender | | | | | |
| Men | 1,872 | 1,570 | 84% | 1,720 | 92% |
| Transgender Men | 11 | 10 | 91% | 10 | 91% |
| Women | 512 | 390 | 76% | 459 | 90% |
| Transgender Women | 70 | 53 | 76% | 60 | 86% |
| Non-conforming/non-binary | 6 | 6 | 100% | 6 | 100% |
| Race/Ethnicity | 364 | 300 | 82% | 331 | 91% |
| Non-Hispanic White | | 806 | 82% 79% | 913 | 91% |
| Non-Hispanic Black | 1,016 891 | 751 | 79% 84% | 826 | 90% |
| Hispanic Asian/Pac Islander | 105 | 89 | 84% 85% | 96 | 93% 91% |
| | 0 | | - | 90 | |
| Native American | 95 | 83 | - 87% | 89 | - 94% |
| Multi Race | 93 | 0.5 | 0/% | 09 | 94% |
| Age at Diagnosis 13-19 | 86 | 72 | 84% | 76 | 88% |
| 20-24 | 358 | 293 | 82% | 328 | 92% |
| 25-29 | 479 | 398 | 83% | 440 | 92% |
| 30-39 | 672 | 544 | 81% | 609 | 91% |
| 40-49 | 384 | 313 | 82% | 351 | 91% |
| 50-59 | 328 | 275 | 84% | 301 | 92% |
| 60+ | 164 | 134 | 82% | 150 | 91% |
| Transmission Risk | 104 | 134 | 0270 | 130 | <i>J</i> 170 |
| MSM ⁴ | 1,337 | 1,155 | 86% | 1,254 | 94% |
| IDU ⁵ | 57 | 42 | 74% | 49 | 86% |
| MSM/IDU | 65 | 59 | 91% | 61 | 94% |
| Heterosexual | 598 | 463 | 77% | 540 | 90% |
| Pediatric Pediatric | 398 4 | 403 | 100% | 4 | 100% |
| | | | | | |
| Unknown | 410 | 306 | 75% | 347 | 85% |

¹ First VL, CD4 or nucleotide sequence test after diagnosis, regardless of result

² NYS HIV surveillance case and laboratory data as of June 2019

³ Regional figures exclude persons incarcerated in a city jail, a county jail, a federal detention facility or a NYSDOCCS facility; rates based on fewer than 25 individuals are not statistically reliable

⁴ MSM-history of male-to-male sexual contact;

⁵ IDU-history of injection drug use

<u>Table B: Measures of Care in 2018</u> <u>Persons Living with Diagnosed HIV in Dec. 2017 and Alive in Dec. 2018, NYS¹</u>

| | All | Any Care ² | | ≥2 tests, ≥91 days apart | |
|------------------------|---------|-----------------------|------|--------------------------|-----|
| Residence ³ | | | | | |
| NYC | 82,822 | 71,070 | 86% | 58,784 | 71% |
| ROS | 23,326 | 18,544 | 79% | 14,489 | 62% |
| NYS Total | 106,148 | 89,614 | 84% | 73,273 | 69% |
| Ryan White Region 4 | | · | | | |
| Albany | 3,061 | 2,425 | 79% | 1,906 | 62% |
| Binghamton | 492 | 389 | 79% | 278 | 57% |
| Buffalo | 2,923 | 2,396 | 82% | 1,840 | 63% |
| Lower Hudson | 3,729 | 2,979 | 80% | 2,341 | 63% |
| Mid-Hudson | 2,172 | 1,643 | 76% | 1,246 | 57% |
| Nassau/Suffolk | 5,552 | 4,374 | 79% | 3,415 | 62% |
| Rochester | 2,877 | 2,417 | 84% | 1,910 | 66% |
| Syracuse | 2,288 | 1,817 | 79% | 1,465 | 64% |
| Birth sex ⁵ | | | | | |
| Male | 75,902 | 63,603 | 84% | 51,811 | 68% |
| Female | 30,246 | 26,011 | 86% | 21,462 | 71% |
| Race/Ethnicity | | | | | |
| Non-Hispanic White | 20,760 | 17,242 | 83% | 13,607 | 66% |
| Non-Hispanic Black | 42,341 | 35,619 | 84% | 29,079 | 69% |
| Hispanic | 34,811 | 29,756 | 85% | 24,883 | 71% |
| Asian/Pacific Islander | 1,798 | 1,449 | 81% | 1,217 | 68% |
| Native American | 49 | 38 | 78% | 27 | 55% |
| Multi Race | 6,276 | 5,417 | 86% | 4,383 | 70% |
| Unknown | 113 | 93 | 82% | 77 | 68% |
| Age | | | | | |
| 13-19 | 312 | 276 | 88% | 245 | 79% |
| 20-24 | 1,889 | 1,589 | 84% | 1,263 | 67% |
| 25-29 | 6,167 | 4,997 | 81% | 3,734 | 61% |
| 30-39 | 17,577 | 13,965 | 79% | 10,720 | 61% |
| 40-49 | 20,992 | 17,216 | 82% | 13,772 | 66% |
| 50-59 | 34,060 | 29,490 | 87% | 24,525 | 72% |
| 60+ | 25,149 | 22,079 | 88% | 19,013 | 76% |
| Unknown | 2 | 2 | 100% | 1 | 50% |
| Transmission Risk | | | 0.45 | | |
| MSM ⁶ | 44,949 | 37,890 | 84% | 30,572 | 68% |
| IDU ⁷ | 11,882 | 10,378 | 87% | 8,919 | 75% |
| MSM/IDU | 3,980 | 3,447 | 87% | 2,840 | 71% |
| Heterosexual | 30,209 | 25,729 | 85% | 21,092 | 70% |
| Blood Products | 174 | 153 | 88% | 121 | 70% |
| Pediatric Risk | 2,091 | 1,761 | 84% | 1,387 | 66% |
| Unknown | 12,863 | 10,256 | 80% | 8,342 | 65% |

¹ NYS HIV surveillance case and laboratory data as of June 2019

² At least 1 VL, CD4, or nucleotide sequence test during the year

³Residence by end of 2018

⁴Regional figures exclude persons incarcerated in a city jail, a county jail, a federal detention facility or a NYSDOCCS facility

⁵ Current gender was not systematically collected by the NYS HIV surveillance system until 2013. Therefore, currently, care measures cannot be calculated by current gender for PLWDH.

⁶MSM-history of male-to-male sexual contact

⁷ IDU-history of injection drug use

<u>Table C: Viral Suppression¹ in 2018</u> Persons Living with Diagnosed HIV in Dec. 2017 and Alive in Dec. 2018, NYS²

| | All | ≥1 VL test during the year | | Virally suppressed at test | | | |
|------------------------|---------|----------------------------|----------|----------------------------|------------------------|----------|--|
| | | · • | | close | closest to end of year | | |
| D 11 3 | | | % of All | | % of tested | % of All | |
| Residence ³ | 92 922 | 71.070 | 0.60/ | 62.542 | 000/ | 7.60/ | |
| NYC | 82,822 | 71,070 | 86% | 62,542 | 88% | 76% | |
| ROS | 23,326 | 18,544 | 79% | 16,931 | 91% | 73% | |
| NYS Total | 106,148 | 89,614 | 84% | 79,473 | 89% | 75% | |
| Ryan White Region 4 | | | | | | | |
| Albany | 3,061 | 2,425 | 79% | 2,228 | 92% | 73% | |
| Binghamton | 492 | 389 | 79% | 343 | 88% | 70% | |
| Buffalo | 2,923 | 2,396 | 82% | 2,120 | 88% | 73% | |
| Lower Hudson | 3,729 | 2,979 | 80% | 2,722 | 91% | 73% | |
| Mid-Hudson | 2,172 | 1,643 | 76% | 1,505 | 92% | 69% | |
| Nassau/Suffolk | 5,552 | 4,374 | 79% | 4,046 | 93% | 73% | |
| Rochester | 2,877 | 2,417 | 84% | 2,197 | 91% | 76% | |
| Syracuse | 2,288 | 1,817 | 79% | 1,676 | 92% | 73% | |
| Birth sex ⁵ | | | | | | | |
| Male | 75,902 | 63,603 | 84% | 56,695 | 89% | 75% | |
| Female | 30,246 | 26,011 | 86% | 22,778 | 88% | 75% | |
| Race/Ethnicity | | | | | | | |
| Non-Hispanic White | 20,760 | 17,242 | 83% | 16,362 | 95% | 79% | |
| Non-Hispanic Black | 42,341 | 35,619 | 84% | 30,417 | 85% | 72% | |
| Hispanic | 34,811 | 29,756 | 85% | 26,404 | 89% | 76% | |
| Asian/Pacific Islander | 1,798 | 1,449 | 81% | 1,379 | 95% | 77% | |
| Native American | 49 | 38 | 78% | 35 | 93% | 72% | |
| Multi Race | 6,276 | 5,417 | 86% | 4,783 | 88% | 76% | |
| Unknown | 113 | 93 | 82% | 92 | 99% | 81% | |
| Age | | | | | | | |
| 13-19 | 312 | 276 | 88% | 217 | 79% | 70% | |
| 20-24 | 1,889 | 1,589 | 84% | 1,247 | 78% | 66% | |
| 25-29 | 6,167 | 4,997 | 81% | 4,055 | 81% | 66% | |
| 30-39 | 17,577 | 13,965 | 79% | 11,913 | 85% | 68% | |
| 40-49 | 20,992 | 17,216 | 82% | 15,100 | 88% | 72% | |
| 50-59 | 34,060 | 29,490 | 87% | 26,360 | 89% | 77% | |
| 60+ | 25,149 | 22,079 | 88% | 20,580 | 93% | 82% | |
| Unknown | 2 | 2 | 100% | 1 | 50% | 50% | |
| Transmission Risk | | | | | | | |
| MSM ⁶ | 44,949 | 37,890 | 84% | 34,363 | 91% | 76% | |
| \mathbf{IDU}^7 | 11,882 | 10,378 | 87% | 8,977 | 87% | 76% | |
| MSM/IDU | 3,980 | 3,447 | 87% | 2,877 | 83% | 72% | |
| Heterosexual | 30,209 | 25,729 | 85% | 22,729 | 88% | 75% | |
| Blood Products | 174 | 153 | 88% | 134 | 88% | 77% | |
| Pediatric Risk | 2,091 | 1,761 | 84% | 1,272 | 72% | 61% | |
| Unknown | 12,863 | 10,256 | 80% | 9,120 | 89% | 71% | |

 $^{^1}$ Virally suppressed defined as VL non-detectable or $<\!\!200$ copies/ml

² NYS HIV surveillance case and laboratory data as of June 2019

³Residence by end of 2018

⁴Regional figures exclude persons incarcerated in a city jail, a county jail, a federal detention facility, or a NYSDOCCS facility

⁵Current gender was not systematically collected by the NYS HIV surveillance system until 2013. Therefore, currently, viral suppression cannot be calculated by current gender for PLWDH.

⁶MSM-history of male-to-male sexual contact;

⁷ IDU-history of injection drug use