

# NYS Progress to End the Epidemic by the End of 2020

February 2019

The AIDS Institute uses 16 population-level metrics to help track progress toward Ending the Epidemic (ETE) by the end of 2020.

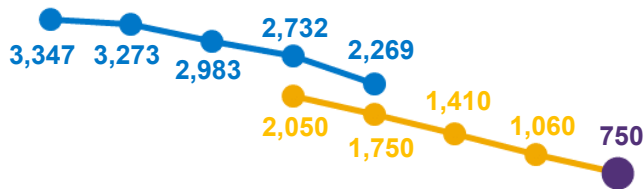
This document shows New York's progress to date and future year targets for each metric.

For each metric, actual annual outcomes are shown in blue, ETE targets are shown in yellow, and 2020 goals are shown in purple. Comparable goals of the National HIV/AIDS Strategy (NHAS) for 2020 are also shown wherever applicable.

● Actual ● Target ● Goal

## 1) New HIV Infections (Incidence)

Reduce the number of new HIV infections to 750.



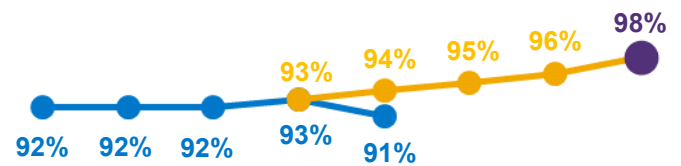
2013 2014 2015 2016 2017 2018 2019 2020

Measure: Incidence estimates are calculated using a CDC method, which was revised in 2017.

Source: NYS HIV Surveillance System

## 2) HIV Status Aware

Increase the percentage of people living with HIV who know their serostatus to at least 98%. (NHAS 2020 Goal: 90%)



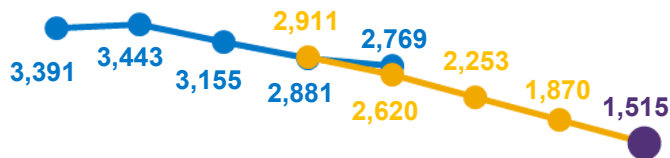
2013 2014 2015 2016 2017 2018 2019 2020

Measure: Calculations are based on estimates from the CDC and sero-prevalence studies (see Note 1 for details).

Source: NYS HIV Surveillance System

## 3) New HIV Diagnoses

Reduce the number of new HIV diagnoses by 55% to 1,515. (NHAS 2020 Goal: 25%)



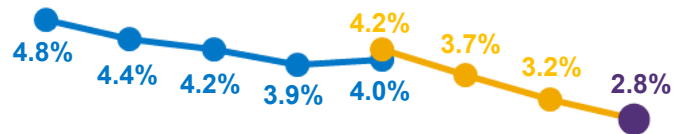
2013 2014 2015 2016 2017 2018 2019 2020

Measure: Number of newly diagnosed HIV cases.

Source: NYS HIV Surveillance System

## 4) Newly Diagnosed HIV – Persons who Inject Drugs

Reduce the percentage of persons newly diagnosed with HIV who indicate a history of injection drug use to 2.8%.



2013 2014 2015 2016 2017 2018 2019 2020

Measure: Number of persons newly diagnosed with HIV who indicate a history of injection drug use (IDU). Includes persons who indicate IDU and MSM/IDU history.

Source: NYS HIV Surveillance System

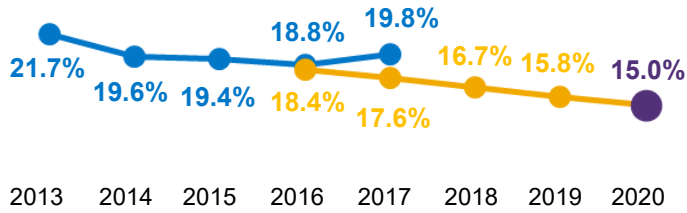


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### 5) Concurrent AIDS Diagnosis

Reduce the percentage of persons with a diagnosis of AIDS within 30 days of HIV diagnosis to 15%.

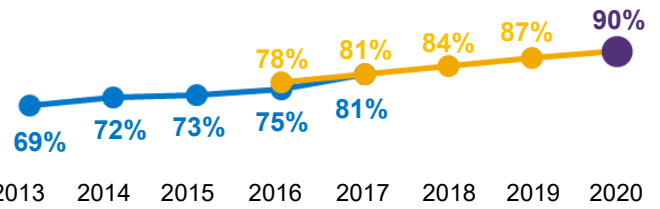


Measure: HIV infection with simultaneous AIDS diagnosis, or AIDS diagnosis (stage 3 HIV) within 30 days of HIV diagnosis.

Source: NYS HIV Surveillance System

### 6) Linkage to Care

Increase the percentage of newly diagnosed persons linked to HIV medical care within 30 days of diagnosis to at least 90%. (NHAS 2020 Goal: 85%)

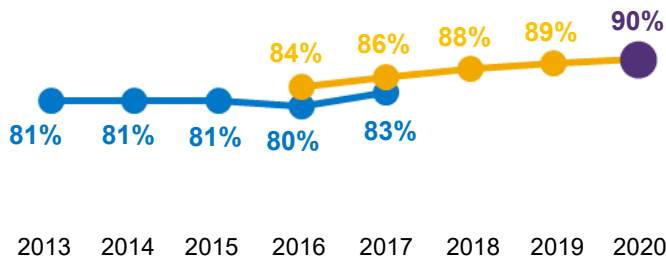


Measure: Newly diagnosed with any VL, CD4 or genotype within 30 days of diagnosis by diagnosis year.

Source: NYS HIV Surveillance System

### 7) Receiving HIV Medical Care

Increase the percentage of persons living with diagnosed HIV (PLWDH) who receive HIV medical care to 90%.

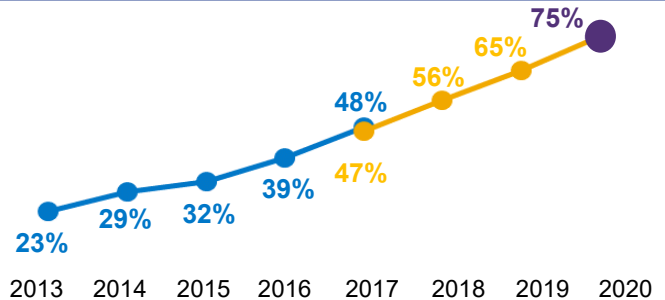


Measure: Any VL, CD4 or genotype test in a calendar year.

Source: NYS HIV Surveillance System

### 8) Viral Load Suppression – Newly Diagnosed HIV

Increase the percentage of persons newly diagnosed with HIV who reach viral load suppression within 3 months of diagnosis to 75%.

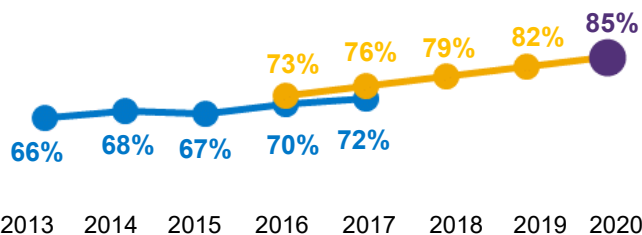


Measure: VL test suppressed (<200 copies/mL) within 91 days from the date of HIV diagnosis.

Source: NYS HIV Surveillance System

### 9) Viral Load Suppression – PLWDH

Increase the percentage of PLWDH with suppressed viral load to 85%. (NHAS 2020 GOAL: 80%)

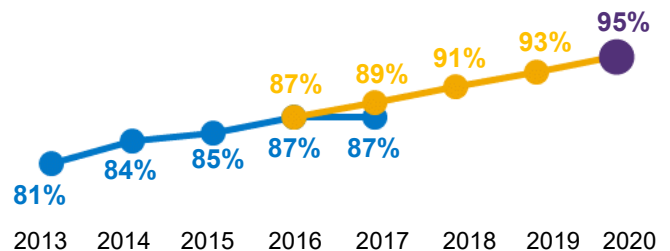


Measure: Last VL test in calendar year is non detectable or <200 copies/ml.

Source: NYS HIV Surveillance System

### 10) Viral Load Suppression – Receiving HIV Medical Care

Increase the percentage of PLWDH who receive HIV medical care with suppressed viral load to 95%.

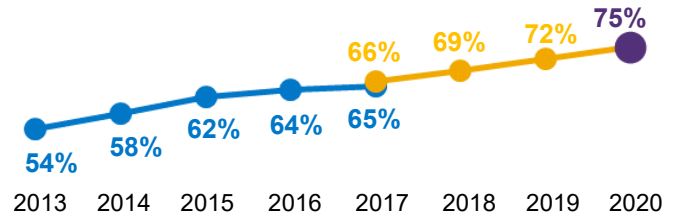


Measure: Last VL test in calendar year is non detectable or <200 copies/ml.

Source: NYS HIV Surveillance System

### 11) Sustained Viral Load Suppression

Increase the percentage of PLWDH with sustained viral suppression to 75%.

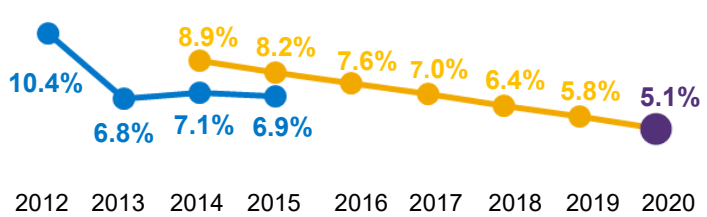


Measure: VL test suppressed (<200 copies/mL) on all viral load tests in the previous 2 years, among those with at least 2 viral load tests in the previous 2 years.

Source: NYS HIV Surveillance System

### 12) Time to AIDS Diagnosis

Reduce the rate at which persons newly diagnosed with HIV progress to AIDS by 50%.



Measure: AIDS diagnosis within 2 years of HIV diagnosis.

Source: NYS HIV Surveillance System

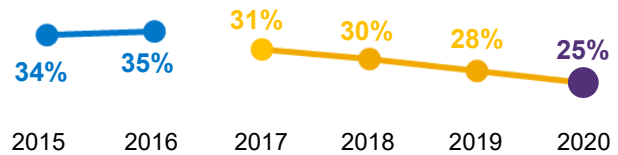
### 13) HIV Related Death

Reduce the number of preventable deaths due to HIV to zero.

Measurement under development

### 14) Stigma

Decrease stigma experienced among PLWDH with diagnosed HIV by at least 25%.

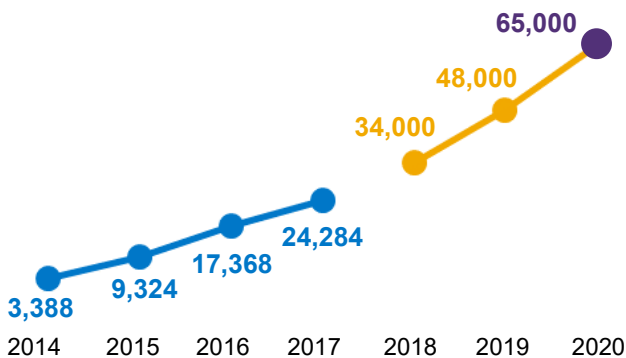


Measure: Based on results of 10 question scale looking at 4 dimensions of stigma (personalized stigma, disclosure concerns, negative self-image, and perceived public attitudes about people with HIV).

Source: NYS Medical Monitoring Project

### 15) PrEP Utilization

Increase the number of individuals filling prescriptions for PrEP to 65,000.

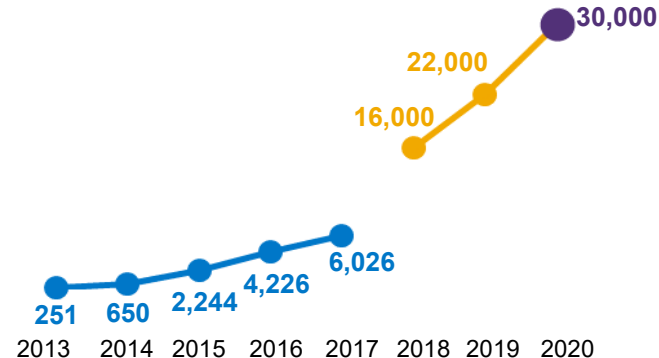


Measure: Number of individuals filling at least one prescription for Truvada within the calendar year.

Source: Symphony Health Data with Medicaid Adjustment

### 16) PrEP Utilization – Medicaid

Increase the number of Medicaid recipients filling prescriptions for PrEP to 30,000.



Measure: Number of Medicaid recipients filling at least one prescription for Truvada within the calendar year.

Source: New York State Medicaid Data Warehouse (MDW)

## ETE Metrics

● Actual    
 ● Target    
 ● Goal

|             | 1) New HIV Infections (Incidence) | 2) HIV Status Aware | 3) New HIV Diagnoses | 4) Newly Diagnosed HIV – Persons who Inject Drugs | 5) Concurrent AIDS Diagnosis |     | 6) Linkage to Care | 7) Receiving HIV Medical Care | 8) VLS* – Newly Diagnosed HIV |
|-------------|-----------------------------------|---------------------|----------------------|---|------------------------------|-----|--------------------|-------------------------------|-------------------------------|
|             | #                                 | %                   | #                    | %   | %                            | #   | %                  | %                             | %                             |
| <b>2012</b> |                                   |                     |                      |   |                              |     |                    |                               |                               |
| <b>2013</b> | 3,347                             | 92%                 | 3,391                | 4.8%  | 21.7%                        | 736 | 69%                | 81%                           | 23%                           |
| <b>2014</b> | 3,273                             | 92%                 | 3,443                | 4.4%  | 19.6%                        | 674 | 72%                | 81%                           | 29%                           |
| <b>2015</b> | 2,983                             | 92%                 | 3,155                | 4.2%  | 19.4%                        | 612 | 73%                | 81%                           | 32%                           |
| <b>2016</b> | 2,732                             | 93%                 | 2,811                | 3.9%  | 18.8%                        | 541 | 75%                | 80%                           | 39%                           |
| <b>2017</b> | 2,269                             | 91%                 | 2,769                | 4.0%  | 19.8%                        | 547 | 81%                | 83%                           | 48%                           |
| <b>2018</b> | 1,410                             | 95%                 | 2,253                | 3.7%  | 16.7%                        | 376 | 84%                | 88%                           | 56%                           |
| <b>2019</b> | 1,060                             | 96%                 | 1,870                | 3.2%  | 15.8%                        | 295 | 87%                | 89%                           | 65%                           |
| <b>2020</b> | 750                               | 98%                 | 1,515                | 2.8%  | 15.0%                        | 225 | 90%                | 90%                           | 75%                           |

|             | 9) VLS* – PLWDH | 10) VLS* – Receiving HIV Medical Care | 11) Sustained VLS* | 12) Time to AIDS Diagnosis | 13) HIV Related Death | 14) Stigma | 15) PrEP Utilization | 16) PrEP Utilization – Medicaid |
|-------------|-----------------|---------------------------------------|--------------------|----------------------------|-----------------------|------------|----------------------|---------------------------------|
|             | %               | %                                     | %                  | %                          |                       | %          | #                    | #                               |
| <b>2012</b> |                 |                                       |                    | 10.4%                      |                       |            |                      |                                 |
| <b>2013</b> | 66%             | 81%                                   | 54%                | 6.8%                       | T<br><br>B<br><br>D   |            |                      | 251                             |
| <b>2014</b> | 68%             | 84%                                   | 58%                | 7.1%                       |                       |            | 3,388                | 650                             |
| <b>2015</b> | 67%             | 85%                                   | 62%                | 6.9%                       |                       | 34%        | 9,324                | 2,244                           |
| <b>2016</b> | 70%             | 87%                                   | 64%                | 7.6%                       |                       | 35%        | 17,368               | 4,226                           |
| <b>2017</b> | 72%             | 87%                                   | 65%                | 7.0%                       |                       | 31%        | 24,284               | 6,026                           |
| <b>2018</b> | 79%             | 91%                                   | 69%                | 6.4%                       |                       | 30%        | 34,000               | 16,000                          |
| <b>2019</b> | 82%             | 93%                                   | 72%                | 5.8%                       |                       | 28%        | 48,000               | 22,000                          |
| <b>2020</b> | 85%             | 95%                                   | 75%                | 5.1%                       |                       | 25%        | 65,000               | 30,000                          |

\* VLS : Viral load suppression

Note 1: The methodology for estimating this metric changed in 2017. This change is responsible for the 2017 decrease.

For more information, please contact Division of HIV/STD Epidemiology, Evaluation & Partner Services (DEEP) at (518) 474 - 7238.



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