

**HIV Care in New York State, 2024:
Linkage to Care and Viral Suppression
Among Persons with Diagnosed HIV
Residing in New York State**

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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 New York State. 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.

As persons retained in successful treatment who have achieved and maintained viral suppression are effectively not able to sexually transmit the virus, the provision of appropriate medical care for persons living with diagnosed HIV to achieve and maintain viral suppression is a key feature of the ETE initiative. The HIV care cascade is one tool for assessing the extent and effectiveness of HIV medical care in New York State.

The attached report summarizes 2024 New York State Department of Health HIV registry 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 to maximize viral suppression. Data are sourced from the July 2025 Data Analysis and Research Translation (DART) Statewide Analysis File which includes data combined from the New York State and New York City HIV registries.

New York State Results

Major Findings

Linkage to Care

One of the ETE goals is to link persons newly diagnosed with HIV to appropriate medical care as quickly as possible.

- In 2024, 82% of persons newly diagnosed with HIV in New York State showed evidence of linkage to care within 30 days of diagnosis, compared to an estimated 83% nationally.¹
- In 2024, 91% of persons newly diagnosed with HIV in New York State showed evidence of linkage to care within 91 days of diagnosis. New York State is above the U.S. 2019 estimate (88%).² More recent national estimates for this metric are not available.

Any HIV Care

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

- In 2024, 89% of persons living with diagnosed HIV in New York State showed evidence of any care during the year. Continuous care (≥ 2 visits/year, ≥ 91 days apart) was observed for 70% of persons living with diagnosed HIV. This percentage is higher than the most recent national level estimates, which indicated that 76% of persons living with diagnosed HIV received care in 2023.³

Viral Suppression

Persons who achieve viral suppression (an undetectable viral load) are effectively unable to sexually transmit HIV.

- In 2024, 81% of persons living with diagnosed HIV in New York State were virally suppressed at the test closest to the end of the calendar year. This is higher than the most recent national level estimates, which indicated that 67% of persons living with diagnosed HIV in the U.S. were virally suppressed in 2023.³

¹ Centers for Disease Control and Prevention. Core Indicators for Monitoring the Ending the HIV Epidemic Initiative (preliminary data): HIV Surveillance System Data Reported Through June 2025. HIV Surveillance Data Tables 2025;6(No. 42). <https://stacks.cdc.gov/view/cdc/232276>. Accessed 09/18/2025.

² 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, 2020. HIV Surveillance Supplemental Report 2022;27(No. 3). <http://www.cdc.gov/hiv/library/reports/hiv-surveillance.html>. Published May 2022. Accessed 08/09/2024.

³ Centers for Disease Control and Prevention. NCHHSTP AtlasPlus. <https://www.cdc.gov/nchhstp/about/atlasplus.html>. Accessed 09/18/2025.

The following sections present rates of linkage to care and viral suppression in New York State. These rates are based on data from the New York State HIV Registry 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 New York State at one point in time, across the continuum of care from transmission through diagnosis, participation in care, and success of care (2024 New York State English and Spanish cascades can be found at <https://www.health.ny.gov/diseases/aids/general/statistics/>).

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 the titles are similar. In addition, measures used in cascades from the same data source but created at different time points may use different definitions.

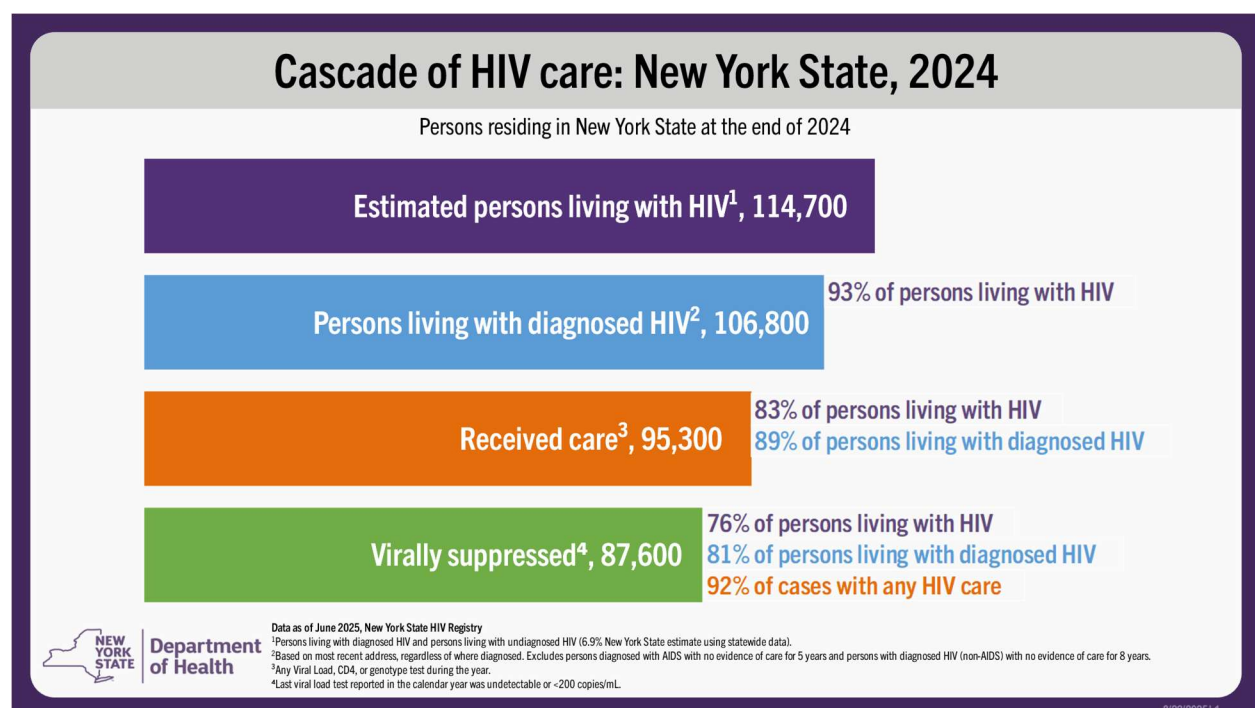


Table A: Linkage to Care in 2024
Persons Newly Diagnosed with HIV, New York State, 2024

	All	Linkage within 30 days of dx		Linkage within 91 days of dx	
Residence at Diagnosis					
New York City	1,818	1,459	80%	1,634	90%
Rest of State	734	633	86%	687	94%
New York State Total	2,552	2,092	82%	2,321	91%
Ryan White Region at Diagnosis¹					
Albany	82	72	88%	76	93%
Binghamton	11	9	82%	11	100%
Buffalo	69	60	87%	66	96%
Lower Hudson	96	87	91%	92	96%
Mid-Hudson	54	44	81%	49	91%
Nassau/Suffolk	218	180	83%	199	91%
Rochester	101	90	89%	95	94%
Syracuse	84	75	89%	81	96%
Birth Sex					
Male	2,001	1,645	82%	1,819	91%
Female	551	447	81%	502	91%
Current Gender					
Cisgender Man	1903	1,556	82%	1,727	91%
Cisgender Woman	547	443	81%	498	91%
Transgender Man/Boy	2	2	100%	2	100%
Transgender Woman/Girl	85	77	91%	80	94%
Non-Conforming/Non-Binary	11	10	91%	21	91%
Race/Ethnicity					
Asian	118	98	83%	109	92%
Native Hawaiian / Pacific Islander	3	2	67%	2	67%
Hispanic	922	768	83%	846	92%
Multi-Race	33	30	91%	32	97%
Native American	8	8	100%	8	100%
Non-Hispanic Black	1,076	857	80%	968	90%
Non-Hispanic White	392	329	84%	356	91%
Age at Diagnosis					
13-19	73	57	78%	66	90%
20-24	372	310	83%	342	92%
25-29	462	388	84%	423	92%
30-39	841	703	84%	770	92%
40-49	398	317	80%	354	89%
50-59	243	189	78%	217	89%
60+	163	128	79%	149	91%
Transmission Risk					
Male-to-Male Sexual Contact	1,266	1,082	85%	1,181	93%
Injection Drug Use	61	52	85%	57	93%
Male-to-Male Sexual Contact and Injection Drug Use	48	43	90%	46	96%
Heterosexual	618	506	82%	568	92%
Pediatric	2	2	100%	2	100%
Unknown	557	407	73%	467	84%

Linkage to care is defined as receipt of first VL, CD4 or nucleotide sequence test after diagnosis, regardless of result
New York State HIV registry case and laboratory data as of July 2025

¹ Regional figures exclude persons ever incarcerated in a city jail, a county jail, a federal detention facility or a New York State Department of Corrections and Community Supervision facility

Table B: Measures of Care in 2024**Persons Living with Diagnosed HIV in December 2023 and Alive in December 2024, New York State**

	All	Any Care ¹		≥2 tests, ≥91 days apart	
Residence²					
New York City	80,298	71,658	89%	80,298	71%
Rest of State	23,132	20,715	90%	23,132	65%
New York State Total	103,430	92,373	89%	103,430	70%
Ryan White Region³					
Albany	2,982	2,734	92%	2,015	68%
Binghamton	516	454	88%	323	63%
Buffalo	2,894	2,569	89%	1,724	60%
Lower Hudson	3,633	3,221	89%	2,423	67%
Mid-Hudson	2,263	1,968	87%	1,370	61%
Nassau/Suffolk	5,567	5,010	90%	3,813	68%
Rochester	2,811	2,542	89%	1,738	62%
Syracuse	2,168	1,952	90%	1,399	65%
Birth sex					
Male	75,670	67,221	89%	52,129	69%
Female	27,760	25,152	91%	19,879	72%
Current Gender					
Cisgender Man	72,753	64,609	89%	50,011	69%
Cisgender Woman	27,666	25,068	91%	19,812	72%
Transgender Man/Boy	73	63	86%	52	71%
Transgender Woman/Girl	2,722	2,441	90%	1,978	73%
Non-Conforming/Non-Binary	206	183	89%	149	72%
Race/Ethnicity					
Asian	2,829	2,472	87%	1,951	69%
Native Hawaiian / Pacific Islander	115	98	85%	77	67%
Hispanic	31,537	28,356	90%	23,004	73%
Multi-Race	673	592	88%	433	64%
Native American	193	168	87%	119	62%
Non-Hispanic Black	45,188	40,297	89%	31,242	69%
Non-Hispanic White	22,816	20,320	89%	15,125	66%
Unknown	79	70	89%	57	72%
Age					
13-19	189	162	86%	137	72%
20-24	1,293	1,134	88%	896	69%
25-29	4,598	3,920	85%	2,909	63%
30-39	19,894	16,890	85%	12,547	63%
40-49	18,536	16,158	87%	12,218	66%
50-59	23,913	21,679	91%	17,015	71%
60+	35,007	32,430	93%	26,286	75%
Transmission Risk					
Male-to-Male Sexual Contact	49,810	42,754	88%	34,114	68%
Injection Drug Use	8,498	8,384	92%	6,385	75%
Male-to-male Sexual Contact and Injection Drug Use	4,181	3,854	91%	3,014	72%
Heterosexual	28,471	25,720	90%	20,237	71%
Blood Products	135	132	94%	98	73%
Pediatric Risk	1,934	1,672	87%	1,285	66%
Unknown	10,401	8,635	84%	6,875	66%

New York State HIV registry case and laboratory data as of July 2025

¹ At least 1 VL, CD4, or nucleotide sequence test during the year² Residence at the end of 2024³ Regional figures exclude persons who were incarcerated in a city jail, a county jail, a federal detention facility or a NYSDOCCS facility as of their last known address in 2024

Table C: Viral Suppression in 2024**Persons Living with Diagnosed HIV in December 2023 and Alive in December 2024, New York State**

	All	≥1 VL test during the year		Virally suppressed at test closest to end of year		
		% of All		% of tested		% of All
Residence¹						
New York City	80,298	70,969	88%	64,618	91%	80%
Rest of State	23,132	20,430	88%	19,345	95%	84%
New York State Total	103,430	91,399	88%	83,963	92%	81%
Ryan White Region ²						
Albany	2,982	2,703	91%	2,560	95%	86%
Binghamton	516	447	87%	407	91%	79%
Buffalo	2,894	2,547	88%	2,365	93%	81%
Lower Hudson	3,633	3,173	87%	3,020	95%	83%
Mid-Hudson	2,263	1,907	84%	1,814	95%	80%
Nassau/Suffolk	5,567	4,946	89%	4,756	96%	85%
Rochester	2,811	2,517	90%	2,359	91%	80%
Syracuse	2,168	1,930	89%	1,823	91%	84%
Birth sex						
Male	75,670	66,532	88%	61,127	92%	81%
Female	27,760	24,867	90%	22,836	92%	82%
Current Gender						
Cisgender Man	72,753	63,947	88%	58,910	92%	81%
Cisgender Woman	27,666	24,785	90%	22,766	92%	82%
Transgender Man/Boy	73	62	85%	52	84%	71%
Transgender Woman/Girl	2,722	2,414	89%	2,057	85%	76%
Non-Conforming/Non-Binary	206	182	89%	169	93%	82%
Race/Ethnicity						
Asian	2,829	2,448	87%	2,361	96%	83%
Native Hawaiian / Pacific Islander	115	97	84%	94	97%	82%
Hispanic	31,537	28,120	89%	25,977	92%	82%
Multi-Race	673	589	88%	525	89%	78%
Native American	193	166	86%	153	92%	79%
Non-Hispanic Black	45,188	39,802	88%	35,513	89%	79%
Non-Hispanic White	22,816	20,108	88%	19,272	96%	84%
Unknown	79	69	87%	68	99%	86%
Age						
13-19	189	161	85%	144	89%	76%
20-24	1,293	1,122	87%	1,007	90%	78%
25-29	4,598	3,878	84%	3,490	90%	76%
30-39	19,894	16,718	84%	14,893	89%	75%
40-49	18,536	15,997	86%	14,393	90%	78%
50-59	23,913	21,446	90%	19,774	92%	83%
60+	35,007	32,077	92%	30,262	94%	86%
Transmission Risk						
Male-to-Male Sexual Contact	49,810	43,894	88%	40,744	93%	82%
Injection Drug Use	8,498	7,816	92%	6,999	89%	82%
Male-to-Male Sexual Contact and Injection Drug Use	4,181	3,739	89%	3,212	86%	77%
Heterosexual	28,471	25,388	89%	23,428	92%	82%
Blood Products	135	122	90%	116	95%	86%
Pediatric Risk	1,934	1,709	88%	1,446	85%	75%
Unknown	10,401	8,731	84%	8,018	92%	77%

Virally suppressed defined as VL non-detectable or <200 copies/ml
New York State HIV registry case and laboratory data as of July 2025

¹ Residence by end of 2024

² Regional figures exclude persons who were incarcerated in a city jail, a county jail, a federal detention facility or a New York State Department of Corrections and Community Supervision facility as of their last known address in 2024

Technical Notes

New York State Methods for Counting Persons Living with Diagnosed HIV

Residence of persons living with diagnosed HIV is assessed using the most recent address reported to the New York State HIV Registry System, regardless of the residence of the individual at the time of diagnosis. Persons residing outside of New York State at the time of HIV or Stage 3/AIDS diagnosis, but whose most recent address reported to the HIV Registry System is in New York State, were included in the calculations. Individuals diagnosed in New York State whose most recently reported address indicated residence outside New York State were excluded.

In addition, individuals whose last report to the registry system was at least 5 years before December 2024 for persons diagnosed with Stage 3/AIDS or 8 years before December 2024 for persons diagnosed with HIV (not AIDS) were not included in the counts of care and viral suppression. These persons are presumed to be either no longer living or no longer residing in New York State (n=31,751).

Data Sources for Calculation of HIV Care Measures

Laboratory data used in these analyses are from the New York State HIV Registry System. New York State Public Health law requires the electronic reporting to the New York State Department of Health 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 nucleotide sequence from resistance testing. Exempted from this reporting requirement are tests performed in the context of 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 the New York State Department of Health, which receives over 1 million HIV laboratory reports annually.

Counts shown in tables and the cascade may differ. The percentages for persons living with diagnosed HIV shown in the report tables are based on persons who were diagnosed prior to the calendar year and not known to be deceased at the end of the calendar year. Data shown in the cascade are based on all persons living with diagnosed HIV at the end of the calendar year regardless of when diagnosed.

Calculation of New York State Cascade Measures

1. Estimated persons living with HIV

The percentage unaware for New York State in 2024 was 6.93% (N=9,489).

2. Persons living with diagnosed HIV

New York State uses methodology from the CDC to calculate the cascade measures. Therefore, the total number of persons living with diagnosed HIV (Tables B and C) in the report will be different from the number of persons living with diagnosed HIV in the cascade picture and other New York State reports. The methodology for counting persons living with diagnosed HIV in this report: 1) excludes those ≤ 12 years old; and 2) includes only persons diagnosed with HIV during the previous year (i.e., December 2023) or earlier, and alive at the end of the analysis year (i.e., December 2024).

3. Persons living with diagnosed HIV with any HIV care during the year

89% of persons living with diagnosed HIV 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 persons living with diagnosed HIV as of December 2024 in the cascade.

4. Persons living with diagnosed HIV with continuous care during the year

70% of persons living with diagnosed HIV 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 estimate is not shown in the HIV care cascade.

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

Approximately 81% of all persons living with diagnosed HIV, were virally suppressed (< 200 copies/ml or below) at the test closest to end-of-year. Approximately 92% of those with at least one VL test result were virally suppressed at the test closest to the end of the year. This percentage was applied to the entire number of persons living with diagnosed HIV as of December 2024 in the cascade.

Identification of Incarcerated Individuals

Incarcerated individuals are identified as having their most recent address (as reported to the New York State HIV Registry System) indicate a residence in a New York State Department of Corrections and Community Supervision (NYSDOCCS) facility, a city jail, county jail, or federal detention facility.

Individuals identified as currently incarcerated at the end of 2024 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.

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