Buffalo

NYLinks Evaluation Dissemination Slide Set
August 2015

This slide set contains only those slide identified as potentially “useful” by providers in the NYLinks Buffalo Regional Group
Contents

1. Facility-level measures
   a) Linkage to care
   b) Retention in care
   c) New patient retention in care

2. New York State (NYS) and Western NY (WNY) maps
   a) Additions and changes
   b) Newly diagnosed cases
   c) Persons living with diagnosed HIV infection (PLWDHI)
   d) HIV care outcomes: linkage, retention, viral load suppression

3. Surveillance-based measures
   a) Additions and changes
   b) New HIV diagnoses in WNY
   c) PLWDHI in the Buffalo, Ryan White region
Buffalo

Facility-Level Measures
NYLinks Facility-Level Measures

• Goal: monitor the progress and impact of NYLinks to improve linkage to and retention in HIV clinical care
• Reporting frequency: Every two months
• Measures:
  – Linkage to care
  – Retention among all HIV-infected patients
  – New patient retention
  – Clinical engagement
  – New client clinical engagement
Changes to Facility-Level Measure Slides

• Added list of NYLinks agencies
• Added data summary for facility-level measures
• Both retention measures show measurement period on the x-axis
### Overview of NYLinks Facility-level Measures

<table>
<thead>
<tr>
<th>Measure</th>
<th>Agency Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linkage</td>
<td>All Programs that Conduct HIV Testing</td>
</tr>
<tr>
<td>Retention*</td>
<td>HIV Clinical Care</td>
</tr>
<tr>
<td>New Patient Retention</td>
<td>Supportive Services, General Medical, &amp; Dental</td>
</tr>
<tr>
<td>Clinical Engagement</td>
<td></td>
</tr>
<tr>
<td>New Client Clinical Engagement</td>
<td></td>
</tr>
</tbody>
</table>

*Retention measure endorsed by the National Quality Forum (NQF #2079)*
### NYLinks Facility-Level Measure Descriptions

#### LINKAGE

<table>
<thead>
<tr>
<th>Measure</th>
<th>ALL Sites that Conduct HIV Testing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Percentage of newly diagnosed persons in the reporting period who had their first HIV clinical care visit within 30 days of the date of their confirmatory HIV test result</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Number of newly diagnosed persons in the reporting period who had their first HIV clinical care visit within 30 days of the date of their confirmatory HIV test result within the measurement period</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Number of newly diagnosed persons within the reporting period</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Numerator and Denominator Exclusions**

1. Persons who are documented to be deceased at any time in the measurement period
2. Persons who were incarcerated during the measurement period
3. Persons who relocated out of the service area or transferred medical care at any time in the measurement period

#### RETENTION

<table>
<thead>
<tr>
<th>Measure</th>
<th>HIV CLINICAL CARE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Percentage of patients with at least one visit during the first six months of the 24-month measurement period, who had at least one HIV clinical care visit in each 6-month period of the remaining 18-months of the measurement period with a minimum of 60 days between medical visits</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Number of patients with at least one HIV clinical care visit during the first six months of the 24-month measurement period, who had at least one HIV clinical care visit in each 6-month period of the remaining 18-months of the measurement period. A minimum of 60 days between the first medical visit in a 6- month period and the last medical visit in the subsequent 6-month period is required.</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Number of patients with at least one visit during the first six months of the 24-month measurement period</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Patient Numerator and Denominator Exclusions**

1. Patients who are documented to be deceased at any time in the measurement period
2. Patients who were incarcerated for greater than 90 days of the measurement period
3. Patients who relocated out of the service area or transferred medical care at any time in the measurement period

#### NEW PATIENT RETENTION

<table>
<thead>
<tr>
<th>Measure</th>
<th>HIV CLINICAL CARE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Percentage of new patients who have their initial HIV clinical care medical visit during their first four months of the 12-month measurement period who had an HIV clinical care visit in each of the subsequent 4-month periods in the measurement period</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Number of new patients who had at least one HIV clinical care visit in each 4-month period of the measurement period</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Number of patients who were new to the clinic AND had at least one HIV clinical care visit in the first 4 months of the measurement period</strong></td>
<td></td>
</tr>
</tbody>
</table>

**Patient Numerator and Denominator Exclusions**

1. Patients who are documented to be deceased at any time in the measurement period
2. Patients who were incarcerated for greater than 90 days of the measurement period
3. Patients who relocated out of the service area or transferred medical care at any time in the measurement period
Buffalo—Linkage to care (1): proportion of newly diagnosed persons linked to care within 30 days

-Linked to care: defined as having had an HIV clinical care visit within 30 days of the date of confirmatory HIV test result.
-Each data point represents the aggregate bi-monthly data submission from Aug 2012 - Jun 2015.

Data Source: NYLinks facility-level measures, updated: June 23, 2015
**Buffalo—Retention(2a): proportion of patients retained in care over 24 months**

Retained: proportion of patients with at least one HIV clinical care visit during the first six months of the 24-month measurement period, who had at least one HIV clinical care visit in each 6-month period of the remaining 18-months of the measurement period. A minimum of 60 days between the first medical visit in a 6-month period and the last medical visit in the subsequent 6-month period is required.

Each data point represents the aggregate bi-monthly data submission from Aug 2012-Jun 2015.

Data Source: NYLinks facility-level measures, updated: June 23, 2015
Buffalo—New patient retention(2b): proportion of new patients retained in care over one year

- Retained: the proportion of new patients who had at least one HIV clinical care visit in each 4-month period of the measurement period.
- Each data point represents the aggregate bi-monthly data submission from Aug 2012- Jun 2015.

Total # of eligible patients: denominator, and # of sites reporting

- Jun'11-May'12: 60 pts, 2/3 sites
- Jun'12-May'13: 62 pts, 2/3 sites
- Jun'13-May'14: 65 pts, 2/3 sites
- Feb'14-Jan'15: 8 pts, 1/3 sites

Measurement period

Data Source: NYLinks facility-level measures, updated: June 23, 2015
Buffalo Facility-Level Data Summary

• Data submissions by Buffalo sites have decreased over time.
• Difficult to interpret outcome trends for Buffalo without consistent data submissions.
• Linkage to care for newly diagnosed persons has remained relatively high over time (78-100% linked to care), however rates are variable due to small number of newly diagnosed and may include individuals who are not true new diagnoses.
• Retention in care has remained relatively steady over time (approximately 84% retained).
• New patient retention in care appears to have increased over time (62% of new patients retained from Jun’11-May ’12 to 78% in June ‘13-May ’14.)
NYLinks Evaluation Slide Set: Western NY MAPS

August 2015
Updates to NYS and WNY Maps

• Glossary of key terms
• Long Island Regional Group highlighted in NYS Regions Prevalence Map
• Data suppression rules utilized for cells (geographic units) with low numbers (marked by grey shading and diagonal lines)
• Actual case count numbers (e.g. plwhdi and new diagnoses) included at the county level for NYLinks region maps
• Site names listed WNY regional maps
• Numbers of sites by type of services added to map legends
• Rochester and Buffalo inset maps added to better display site locations/site types
• Definitions of linkage, retention and viral load suppression added as footnotes where applicable
• NYC region added to NYS Ryan White Region HIV care outcome maps
• Map showing HIV viral suppression among all PLWDHI added for NYC and NYS (pending)
• State and city-wide rates added to NYS/NYC HIV care outcome maps (pending)
Glossary of Key Map Terms

**Linkage to Care:** Percentage of newly diagnosed PLWH during the time period of interest (e.g., 2013) that had evidence of HIV care (≥ 1 CD4 or viral load test) reported within 90 days of the date of diagnosis. *Note for NYC linkage maps only:* CD4 and viral load tests within 7 days of a patient’s diagnosis do not count towards linkage.

**NYS Prison Inmates:** Prison inmates refer to persons incarcerated in state correctional facilities at the time of diagnosis (even if they are no longer in prison). The county of residence at diagnosis reflects the county of incarceration at the time of diagnosis or first report, which may be different from the individual’s home county and later county of incarceration.

**PLWHA:** Persons Living with HIV/AIDS

**PLWDHI:** Persons Living with Diagnosed HIV Infection
Glossary of Key Map Terms (2)

**Prevalence:** The number or proportion of people with a particular disease or condition in a given population and at a specific time. In this case, living HIV/AIDS cases per 100,000 population.

**Retention in Care (among newly diagnosed PLWH):** Percentage of newly diagnosed PLWH during the time period of interest (e.g., 2013) who had evidence of care (≥ 1 CD4 or viral load test) at least three times during the 12 months following diagnosis, with at least one event occurring in each 4-month period.

**UHF:** United Hospital Fund neighborhood corresponds to a geographic area within New York City that is an aggregate of between 1 and 9 zip codes but that is smaller than a borough. UHF neighborhoods reflect catchment areas for certain healthcare facilities.

**Viral Suppression (among newly diagnosed PLWH):** Percentage of newly diagnosed with HIV during the time period of interest (e.g., 2013) whose last viral load test in the 12 months after diagnosis was <200 copies/mL.
NYLinks Regional Groups

NYLinks Regions
- Long Island
- Mid and Lower Hudson
- Queens
- Staten Island
- Upper Manhattan
- Western New York

New York City
- Upper Manhattan
- Queens
- Brooklyn
- Staten Island

NYLinks Regions and HIV/AIDS Prevalence by County of Residence at Diagnosis: New York State, 2013

Rate per 100,000 population
- 19.3 - 72.0
- 72.1 - 79.1
- 79.2 - 116.4
- 116.5 - 200.1
- 200.2 - 326.6

NYLinks Regions (excluding NYC)
NYLinks in NYC

New York City
PLWHAs as a percent of population by UHF, 2013
- 0.2 - 0.5
- 0.6 - 0.8
- 0.9 - 1.4
- 1.5 - 2.3
- 2.4 - 4.5

NYS surveillance data available as of April 2015 (NYSDOH); counts cases by county of residence at diagnosis.
NYS data excludes inmates (defined as all persons ever incarcerated at time of diagnosis).
NYC DOHMH surveillance data counts cases by most recent UHF residence available and includes inmates.
Newly Diagnosed HIV Cases by County of Residence at Diagnosis: New York State, 2013 (Excludes New York City)

Number of cases

- **0 - 5**
- **6 - 10**
- **24 - 51**
- **52 - 120**
- **11 - 23**

Excludes prison inmates*

862 newly diagnosed cases in NYS, 2013 (excluding NYC and prison inmates)

Includes prison inmates*

899 newly diagnosed cases in NYS, 2013 (excluding NYC, including prison inmates)

NYS HIV surveillance data as of April, 2015 (BHAЕ/AI/NYSDOH).

*Prison inmates refer to persons incarcerated in state correctional facilities at the time of diagnosis (even if they are no longer in prison). The county of residence at diagnosis reflects the county of incarceration at the time of diagnosis or first report, which may be different from the individual’s home county and later county of incarceration.
### Prevalence of HIV/AIDS by County of Residence at Diagnosis: New York State, 2013
(Excludes New York City)

<table>
<thead>
<tr>
<th>Rate per 100,000 population</th>
<th>Counties with low number of cases (&lt;12); rates should be interpreted with caution.</th>
</tr>
</thead>
<tbody>
<tr>
<td>19.3 - 89.2</td>
<td></td>
</tr>
<tr>
<td>89.3 - 139.2</td>
<td></td>
</tr>
<tr>
<td>139.3 - 199.7</td>
<td></td>
</tr>
<tr>
<td>199.8 - 313.7</td>
<td></td>
</tr>
<tr>
<td>313.8 - 589.6</td>
<td></td>
</tr>
</tbody>
</table>

**Excludes prison inmates***

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NYS HIV surveillance data as of April, 2015 (BHAЕ/AI/NYSDOH).

*Prison inmates refer to persons incarcerated in state correctional facilities at the time of diagnosis (even if they are no longer in prison). The county of residence at diagnosis reflects the county of incarceration at the time of diagnosis or first report, which may be different from the individual’s home county and later county of incarceration.

---

**Includes prison inmates***
Number of People Living with Diagnosed HIV/AIDS by County of Residence at Diagnosis: New York State, 2013 (Excludes New York City)

Number of Cases
- 4 - 76
- 77 - 164
- 1117 - 3578
- 165 - 414

Excludes prison inmates*

Includes prison inmates*

NYS HIV surveillance data as of April, 2015 (BHA/Al/NYSDOH).
*Prison inmates refer to persons incarcerated in state correctional facilities at the time of diagnosis (even if they are no longer in prison). The county of residence at diagnosis reflects the county of incarceration at the time of diagnosis or first report, which may be different from the individual’s home county and later county of incarceration.
Western NY Region, 2013
Newly Diagnosed HIV Cases by County of Residence at Diagnosis

Number of cases

- 0 - 5
- 6 - 10
- 11 - 23
- 24 - 51
- 52 - 120

Types of services provided (NYLinks sites)
- Clinical care, HIV testing, Supportive services (6)
- HIV testing, Supportive services (1)
- Supportive Services (4)

Number of newly diagnosed cases by county of residence at diagnosis*

Buffalo sites: American Red Cross, ECMC, Evergreen Health, Kaleida Health
Rochester sites: Action for a Better Community/Action Front Center, Anthony Jordan, Catholic Charities, Huther-Doyle, Monroe Co. HD, Trillium Health, URMC-Strong Memorial

Western NY Region, 2013
HIV/AIDS Prevalence by County of Residence at Diagnosis

Rate per 100,000 population
- 19.3 - 72.0
- 72.1 - 79.1
- 79.2 - 116.4
- 116.5 - 200.1
- 200.2 - 326.6

Types of services provided (NYLinks sites)
- Clinical care, HIV testing, Supportive services (6)
- HIV testing, Supportive services (1)
- Supportive Services (4)

Counties with low number of cases (<12); rates should be interpreted with caution.

Buffalo sites: American Red Cross, ECMC, Evergreen Health, Kaleida Health
Rochester sites: Action for a Better Community/Action Front Center, Anthony Jordan, Catholic Charities, Huther-Doyle, Monroe Co. HD, Trillium Health, URMC-Strong Memorial

NYS HIV surveillance data available as of April 2015. Excludes NYS inmates.
NYLinks HIV Care Outcome Maps
New York State, 2013
Linkage to Care among Newly Diagnosed Persons by Ryan White Region at Diagnosis
New York State, 2013

Percentage linked within 90 days*

- 74.9 - 79.1%
- 79.2 - 82.5%
- 82.6 - 83.0%
- 83.1 - 83.6%

Numerator less than 12. Proportions considered unstable and should be interpreted with caution.

Number linked / Number newly diagnosed

*Linked to care: percentage of newly diagnosed PLWH who had evidence of care (≥1 CD4 or viral load test) reported within 90 days of the date of diagnosis.
Source: NYS HIV/AIDS Surveillance data as of April, 2015: persons who lack a definitive date of diagnosis are not included in this analysis. NYS totals shown may differ from other NYS publications.

Retention in Care among Newly Diagnosed Persons by Ryan White Region at Diagnosis
New York State, 2013

Percentage retained within 12 months of diagnosis*
- 28.6 - 45.7%
- 45.8 - 52.4%
- 52.5 - 54.5%
- 54.6 - 55.2%
- 55.3 - 57.55%

Data not shown (num. or den. ≤5)

*Retained in care: percentage of newly diagnosed PLWH that had evidence of care (≥1 CD4 or viral load test) in each 4 month period during the 12 months following diagnosis. Persons who died during the 12 months following diagnosis are excluded.
NYS HIV/AIDS Surveillance data as of April, 2015; persons who lack a definitive date of diagnosis are not included in this analysis. NYS totals shown may differ from other NYS publications.
Viral Suppression among Newly Diagnosed Persons by Ryan White Region at Diagnosis
New York State, 2013

Percentage virally suppressed within 12 months of diagnosis*

- 42.9 - 60.4%
- 60.5 - 64.1%
- 64.2 - 68.1%
- 68.2 - 74.6%
- 74.7 - 76.3%

*Virally suppressed: most recent VL in the 12 months following diagnosis was <200 copies/mL or undetectable. Persons who died during the 12 months following diagnosis are excluded. Source: NYS HIV/AIDS Surveillance data as of April, 2015; persons who lack a definitive date of diagnosis are not included in this analysis. NYS totals shown may differ from other NYS publications.
New HIV Diagnoses in WNY

Surveillance-Based Slides
Major Changes to Surveillance-Based Slides

Additions

• List of NYLinks providers in each regional group
• Linkage to care bar graphs, by year of diagnosis
  – 30 days, 60 days, 3 months, one year
• Separate graphs for:
  – Median CD4 count at HIV diagnosis
  – Concurrent diagnosis of HIV and AIDS
• Retention in care and HIV viral suppression among newly diagnosed persons shown by first provider of care
• Table of demographic characteristics of regional/NYLinks population
Major Changes to Surveillance-Based Slides

Additions

• HIV Care Cascades among newly diagnosed persons
  – Highlight proportion not linked, not retained, and not virally suppressed (*currently shown only for NYC*)
  – Longitudinal outcomes for those diagnosed by a NYLinks provider (NYC: 2010-2012; areas outside NYC: 2011-2013)

• Data interpretation included in the notes section of the executive summary slide set
Surveillance-Based Slides: Next Steps

- Retention in care among persons who link within 30 and 90 days
- Viral suppression among persons who link within 30 and 90 days
- Demographic characteristics for new diagnoses and those not linked to care
NY Links Participating Organizations in Surveillance Slides

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>2.</td>
<td>Trillium Health</td>
<td>7. Strong Memorial Hospital</td>
</tr>
<tr>
<td>3.</td>
<td>Anthony Jordan Health Center</td>
<td>8. Women and Children's Hospital</td>
</tr>
<tr>
<td>4.</td>
<td>Erie County Medical Center</td>
<td>9. NYSDOH-Buffalo</td>
</tr>
<tr>
<td>5.</td>
<td>Evergreen Health Services</td>
<td>10. NYSDOH-Rochester</td>
</tr>
</tbody>
</table>

Only lab test associated with providers from these 10 organizations are categorized as representing services from NY Links participant organizations in surveillance slides.

All other lab test are categorized as representing services from non-NY Links participant organizations or as missing provider information.
<table>
<thead>
<tr>
<th></th>
<th>New York State (NYS)</th>
<th>Western NYS</th>
<th>Hudson Valley</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan - Mar</td>
<td>965</td>
<td>75</td>
<td>56</td>
</tr>
<tr>
<td>Apr - Jun</td>
<td>913</td>
<td>50</td>
<td>45</td>
</tr>
<tr>
<td>Jul - Sep</td>
<td>916</td>
<td>57</td>
<td>61</td>
</tr>
<tr>
<td>Oct - Dec</td>
<td>844</td>
<td>74</td>
<td>42</td>
</tr>
<tr>
<td>2012</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan - Mar</td>
<td>912</td>
<td>49</td>
<td>50</td>
</tr>
<tr>
<td>Apr - Jun</td>
<td>874</td>
<td>44</td>
<td>38</td>
</tr>
<tr>
<td>Jul - Sep</td>
<td>892</td>
<td>60</td>
<td>53</td>
</tr>
<tr>
<td>Oct - Dec</td>
<td>730</td>
<td>58</td>
<td>45</td>
</tr>
<tr>
<td>2013</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Jan - Mar</td>
<td>822</td>
<td>58</td>
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<td>Apr - Jun</td>
<td>820</td>
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<tr>
<td>Jul - Sep</td>
<td>855</td>
<td>56</td>
<td>37</td>
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<td>Oct - Dec</td>
<td>759</td>
<td>57</td>
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</tr>
<tr>
<td></td>
<td>NY Links provider</td>
<td>Non-NY Links provider</td>
<td>Missing provider of diagnosis</td>
</tr>
<tr>
<td>---------------</td>
<td>------------------</td>
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<td>------------------------------</td>
</tr>
<tr>
<td><strong>2011</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Jan - Mar</td>
<td>37</td>
<td>36</td>
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<tr>
<td>Apr - Jun</td>
<td>20</td>
<td>30</td>
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<td>Jul - Sep</td>
<td>28</td>
<td>28</td>
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</tr>
<tr>
<td>Oct - Dec</td>
<td>32</td>
<td>41</td>
<td>1</td>
</tr>
<tr>
<td><strong>2012</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan - Mar</td>
<td>27</td>
<td>22</td>
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<td>Oct - Dec</td>
<td>25</td>
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</tr>
<tr>
<td><strong>2013</strong></td>
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<td>Jul - Sep</td>
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</tr>
<tr>
<td>Oct - Dec</td>
<td>30</td>
<td>25</td>
<td>2</td>
</tr>
</tbody>
</table>
## LINKAGE TO CARE

<table>
<thead>
<tr>
<th><strong>Data Source</strong></th>
<th>HIV/AIDS Surveillance Registry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure</strong></td>
<td><strong>Linkage:</strong> Percentage of newly diagnosed PLWH during the time period of interest (e.g., 1st quarter 2009) that had evidence of HIV care reported within 30 days, 60 days, 3 months, and 12 months of the date of diagnosis.</td>
</tr>
<tr>
<td><strong>Numerator</strong></td>
<td>Number of newly diagnosed PLWH during the time period who had evidence of care reported within 0-30 days, 0-60 days, 0 days - 3 months, and 0 days - 12 months of the date of diagnosis.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>Total number of newly diagnosed PLWH during the time period.</td>
</tr>
<tr>
<td><strong>Patient Numerator and Denominator Exclusions:</strong></td>
<td>None</td>
</tr>
</tbody>
</table>
Western New York State
Linkage to Care within 30 Days, 60 Days, 3 Months, and 12 Months Post HIV Diagnosis

Western NYS collaborative begins June, 2012

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
Western New York State
Linkage to Care within 30 Days Post HIV Diagnosis
by Year of Diagnosis

Date of Diagnosis

2011
77/117 66%
89/135 66%

2012
65/102 64%
76/106 72%

2013
59/102 58%
66/110 60%

% Linked to Care
HIV diagnosed by NYLinks provider
HIV diagnosed by non-NYLinks provider

Numerator and denominator shown
Data Source: NYS HIV/AIDS Surveillance data as of April, 2015.
Western New York State
Linkage to Care within 60 Days Post HIV Diagnosis
by Year of Diagnosis

Date of Diagnosis

2011: 75% (88/117) - HIV diagnosed by NYLinks provider, 9% (106/135) - HIV diagnosed by non-NYLinks provider

2012: 78% (79/102) - HIV diagnosed by NYLinks provider, 86% (91/106) - HIV diagnosed by non-NYLinks provider

2013: 78% (79/102) - HIV diagnosed by NYLinks provider, 78% (86/110) - HIV diagnosed by non-NYLinks provider

Numerator and denominator shown
Data Source: NYS HIV/AIDS Surveillance data as of April, 2015.
Western New York State
Linkage to Care within 3 Months Post HIV Diagnosis
by Year of Diagnosis

Date of Diagnosis

2011: 93/117 (80%) and 113/135 (84%)
2012: 80/102 (78%) and 93/106 (88%)
2013: 83/102 (81%) and 90/110 (82%)

2015 NHAS Goal: 85%

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015.
Western New York State
Linkage to Care within 12 Months Post HIV Diagnosis
by Year of Diagnosis

Date of Diagnosis

<table>
<thead>
<tr>
<th>Year</th>
<th>NYLinks HIV by NYLinks provider</th>
<th>NYLinks HIV by non-NYLinks provider</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>86/117</td>
<td>101/117</td>
</tr>
<tr>
<td>2012</td>
<td>84/102</td>
<td>96/106</td>
</tr>
<tr>
<td>2013</td>
<td>87/102</td>
<td>98/110</td>
</tr>
</tbody>
</table>

% Linked to Care
HIV diagnosed by NYLinks provider

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015.
### CONCURRENT DIAGNOSIS and MEDIAN CD4 AT DIAGNOSIS

<table>
<thead>
<tr>
<th>Data Source</th>
<th>HIV/AIDS Surveillance Registry</th>
</tr>
</thead>
</table>
| **Measure** | **Concurrent HIV/AIDS diagnosis:** Proportion of new HIV diagnoses during the reporting period of interest with an AIDS diagnosis that occurred within 30 days of the HIV diagnosis.  
**Median CD4 cell count at diagnosis:** median CD4 cell count of patients newly diagnosed during the reporting period. The first CD4 cell count within 3 months of diagnosis is used to calculate the median.  
Example: Proportion of newly diagnosed PLWH during the first quarter of 2009 who also have an AIDS diagnosis within 30 days of their initial HIV diagnosis. Median CD4 count of those diagnosed in the first quarter of 2009 among those with a CD4 count available within 3 months of diagnosis. |
| **Numerator** | Number of newly diagnosed persons with AIDS diagnosis within 30 days of HIV diagnosis. |
| **Denominator** | Total number of newly diagnosed PLWH in the time period. |
| **Patient Numerator and Denominator Exclusions** | PLWDHI who have no CD4 cell count within 3 months of diagnosis will not contribute to the median calculation. |
## Western New York State

<table>
<thead>
<tr>
<th></th>
<th>Number with ≥ 1 CD4 Test(s) within 3 mo. of Diagnosis</th>
<th>Concurrent HIV/AIDS Diagnosis</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>NY Links provider</td>
<td>Non-NY Links provider</td>
</tr>
<tr>
<td><strong>2011</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan - Mar</td>
<td>32</td>
<td>29</td>
</tr>
<tr>
<td>Apr - Jun</td>
<td>13</td>
<td>26</td>
</tr>
<tr>
<td>Jul - Sep</td>
<td>24</td>
<td>24</td>
</tr>
<tr>
<td>Oct - Dec</td>
<td>22</td>
<td>37</td>
</tr>
<tr>
<td><strong>2012</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan - Mar</td>
<td>22</td>
<td>21</td>
</tr>
<tr>
<td>Apr - Jun</td>
<td>18</td>
<td>17</td>
</tr>
<tr>
<td>Jul - Sep</td>
<td>20</td>
<td>28</td>
</tr>
<tr>
<td>Oct - Dec</td>
<td>22</td>
<td>27</td>
</tr>
<tr>
<td><strong>2013</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan - Mar</td>
<td>24</td>
<td>26</td>
</tr>
<tr>
<td>Apr - Jun</td>
<td>19</td>
<td>22</td>
</tr>
<tr>
<td>Jul - Sep</td>
<td>20</td>
<td>24</td>
</tr>
<tr>
<td>Oct - Dec</td>
<td>19</td>
<td>20</td>
</tr>
</tbody>
</table>

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015

Ten providers currently participating in the NY Links project provide testing services.
Western New York State
Median CD4 Count at HIV Diagnosis
by Year of Diagnosis

Date of Diagnosis

NYLinks-provider  Non-NYLinks-provider

2011  379  343  91  116
2012  401.5  297  82  93
2013  473.5  335.5  82  92

Median CD4 cell count (cells/mm³) at diagnosis shown
Number with CD4 test in first three months after diagnosis shown
Data Source: NYS HIV/AIDS Surveillance data as of April, 2015.
Western New York State
Median CD4 Count at HIV Diagnosis

Western NYS collaborative begins June, 2012

| Jan-Mar | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Jul-Sep | Oct-Dec | Jan-Mar | Apr-Jun | Jul-Sep | Oct-Dec |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 2011    |         |         |         | 2012    |         |         |         | 2013    |         |         |         |         |

- Diagnosed by NY Links provider
- Diagnosed by non-NY Links provider
Western New York State
Concurrent HIV/AIDS Diagnosis

Western NYS collaborative begins June, 2012

% New diagnoses in time period with concurrent AIDS dx*

Diagnosed by NY Links provider
Diagnosed by non-NY Links provider
**RETENTION IN CARE AMONG NEWLY DIAGNOSED PLWH**

<table>
<thead>
<tr>
<th>Data Source</th>
<th>HIV/AIDS Surveillance Registry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure</strong></td>
<td><strong>Retention among newly diagnosed PLWH:</strong> Percentage of newly diagnosed PLWH during the time period of interest who had evidence of care at least three times during the 12 months following diagnosis, with at least one event occurring in each 4-month period.</td>
</tr>
<tr>
<td><strong>Numerator</strong></td>
<td>Number of newly diagnosed PLWH during the time period that had evidence of care in each 4 month period during the 12 months following diagnosis.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>Total number of newly diagnosed PLWH during the time period, with one or more visits after diagnosis.</td>
</tr>
<tr>
<td><strong>Patient Numerator and Denominator Exclusions:</strong></td>
<td>None</td>
</tr>
</tbody>
</table>
Retention in Care Among Newly Diagnosed Persons by Diagnosing Provider One or More Laboratory Test in Each 4-month Period Following Diagnosis

Western New York State

Western NYS collaborative begins June, 2012

% of new diagnoses retained in care 12 months post dx

Diagnosed by NY Links provider

Diagnosed by non-NY Links provider

Date of Diagnosis

2011 2012 2013

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
Western New York State
Retention in Care Among Newly Diagnosed Persons by Provider of First Care Visit

One or More Laboratory Test in Each 4-month Period Following Diagnosis

Western NYS collaborative begins June, 2012

% of new diagnoses retained in care 12 months post dx

Date of Diagnosis

Jan-Mar Apr-Jun Jul-Sep Oct-Dec Jan-Mar Apr-Jun Jul-Sep Oct-Dec Jan-Mar Apr-Jun Jul-Sep Oct-Dec

2011 2012 2013

First care prov NY Links provider
First care prov non-NY Links provider

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
**VIRAL SUPPRESSION AMONG NEWLY DIAGNOSED PLWH**

<table>
<thead>
<tr>
<th>Data Source</th>
<th>HIV/AIDS Surveillance Registry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure</strong></td>
<td><strong>Viral suppression among newly diagnosed PLWH:</strong> Percentage of persons newly diagnosed during the time period of interest whose last VL in the 6 months following diagnosis was &lt;200 copies/mL.</td>
</tr>
<tr>
<td><strong>Numerator</strong></td>
<td>Number of patients newly diagnosed during the time period whose most recent VL in the 6 months period following diagnosis was &lt;200 copies/ml.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>Total number of patients newly diagnosed during the time period.</td>
</tr>
<tr>
<td><strong>Patient Numerator and Denominator Exclusions:</strong></td>
<td>None</td>
</tr>
</tbody>
</table>
Western New York State

Newly Diagnosed Persons: Evidence of Viral Suppression within 6 and 12 Months of HIV Diagnosis by Diagnosing Provider

Western NYS collaborative begins June, 2012

% of new diagnoses with a VL < 200 copies/mL

Date of Diagnosis

2011 2012 2013

Diagnosed by NY Links provider-6mnths
Diagnosed by NY Links provider-12 mnths
Diagnosed by non-NY Links provider-6mnths
Diagnosed by non-NY Links provider-12mnths

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
Western New York State

Newly Diagnosed Persons: Evidence of Viral Suppression within 6 and 12 Months of HIV Diagnosis by Provider of First Care Visit

Western NYS collaborative begins June, 2012

% of new diagnoses with a VL < 200 copies/mL

Date of Diagnosis

2011

2012

2013

First care provider NY Links provider-6mnths

First care provider non-NY Links provider-6mnths

First care provider NY Links provider-12 mnths

First care provider non-NY Links provider-12mnths

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
NYLinks HIV Care Outcomes in Western New York State, 2013: Persons Newly Diagnosed with HIV

<table>
<thead>
<tr>
<th>Measure</th>
<th>NY Links provider</th>
<th>non-NY Links provider</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total New Diagnosed¹</td>
<td>102</td>
<td>110</td>
</tr>
<tr>
<td>Linked to Care within 3 months²</td>
<td>81%</td>
<td>82%</td>
</tr>
<tr>
<td>Retained in Care³</td>
<td>53%</td>
<td>60%</td>
</tr>
<tr>
<td>Viral Suppression w/in 6 months of Diagnosis⁴</td>
<td>52%</td>
<td>56%</td>
</tr>
<tr>
<td>Viral Suppression w/in 12 months of Diagnosis⁴</td>
<td>69%</td>
<td>68%</td>
</tr>
</tbody>
</table>

² ≥1 CD4/VL reported to the NYS HIV Surveillance system 90 days post diagnosis.
³ ≥1 CD4/VL test reported to the NYS HIV Surveillance system during each 4 month period in the 12 months following diagnosis.
⁴ Most recent viral load in 6 or 12 months following diagnosis is < 200 copies/mL.
NYLinks HIV Care Outcomes in Western New York State: Persons Newly Diagnosed by NYLinks Provider, 2011-2013

2 ≥1 CD4/VL reported to the NYS HIV Surveillance system 90 days post diagnosis.
3 ≥1 CD4/VL test reported to the NYS HIV Surveillance system during each 4 month period in the 12 months following diagnosis.
4 Most recent viral load in 6 or 12 months following diagnosis is < 200 copies/mL.
Western NY Data Summary: Newly Diagnosed Persons

• 217 persons were newly diagnosed with HIV in 2013
  – NYLinks n=102; non-NYLinks n=110; provider data missing n=5
• Linkage to care within three months of diagnosis was comparable for NYLinks and non-NYLinks providers (~81%)
• Median CD4 at diagnosis was 473.5 cells/mm$^3$ (NYLinks) and 335.5 cells/mm$^3$ (non-NYLinks) for cases diagnosed in 2013 (n=82 and 92, respectively with a CD4 count test within 3 mos. of diagnosis)
  – Concurrent diagnosis of HIV and AIDS was 16% among patients of NYLinks providers and 25% among patients of non-NYLinks providers
• Viral suppression at six months post diagnosis was comparable but was higher at 12 months among persons whose first care provider was NYLinks
Buffalo
Persons Living with Diagnosed HIV Infection
Surveillance-based Slides
<table>
<thead>
<tr>
<th></th>
<th>Buffalo</th>
<th>Rochester</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan - Mar</td>
<td>3,106</td>
<td>3,010</td>
<td>6,116</td>
</tr>
<tr>
<td>Apr - Jun</td>
<td>3,143</td>
<td>3,028</td>
<td>6,171</td>
</tr>
<tr>
<td>Jul - Sep</td>
<td>3,160</td>
<td>3,048</td>
<td>6,208</td>
</tr>
<tr>
<td>Oct - Dec</td>
<td>3,176</td>
<td>3,067</td>
<td>6,243</td>
</tr>
<tr>
<td>2012</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan - Mar</td>
<td>3,211</td>
<td>3,093</td>
<td>6,304</td>
</tr>
<tr>
<td>Apr - Jun</td>
<td>3,229</td>
<td>3,108</td>
<td>6,337</td>
</tr>
<tr>
<td>Jul - Sep</td>
<td>3,245</td>
<td>3,115</td>
<td>6,360</td>
</tr>
<tr>
<td>Oct - Dec</td>
<td>3,267</td>
<td>3,128</td>
<td>6,395</td>
</tr>
<tr>
<td>2013</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan - Mar</td>
<td>3,279</td>
<td>3,153</td>
<td>6,432</td>
</tr>
<tr>
<td>Apr - Jun</td>
<td>3,302</td>
<td>3,173</td>
<td>6,475</td>
</tr>
<tr>
<td>Jul - Sep</td>
<td>3,329</td>
<td>3,182</td>
<td>6,511</td>
</tr>
<tr>
<td>Oct - Dec</td>
<td>3,359</td>
<td>3,186</td>
<td>6,545</td>
</tr>
</tbody>
</table>

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015. Excludes persons newly diagnosed with HIV during the time period of interest.
# EVIDENCE OF HIV CARE DURING THE QUARTER AMONG ALL PLWDHI

<table>
<thead>
<tr>
<th>Data Source</th>
<th>HIV/AIDS Surveillance Registry</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure</td>
<td><strong>Evidence of care during the quarter among PLWDHI:</strong> Percentage of PLWDHI with any evidence of care during the quarter.</td>
</tr>
<tr>
<td>Numerator</td>
<td>Number of PLWDHI with any evidence of care during the quarter.</td>
</tr>
<tr>
<td>Denominator</td>
<td>Total number of PWLH during the quarter.</td>
</tr>
<tr>
<td>Patient Numerator and Denominator Exclusions</td>
<td>Persons newly diagnosed with HIV during the quarter</td>
</tr>
<tr>
<td>Important definitions and conventions</td>
<td>Evidence of care is defined as ≥ 1 CD4 or viral load test.</td>
</tr>
</tbody>
</table>
Buffalo
Evidence of Care During the Quarter
All PLWDHI

Western NYS collaborative begins June, 2012

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015

% of PLWDHI with evidence of recent care

Jan-Mar Apr-Jun Jul-Sep Oct-Dec

2011 2012 2013
**RETENTION AMONG ALL IN CARE PLWDHI**

<table>
<thead>
<tr>
<th>Data Source</th>
<th>HIV/AIDS Surveillance Registry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure</strong></td>
<td><strong>Retention among all PLWDHI:</strong> Percentage of PLWDHI with evidence of care during the time period of interest (e.g., 1st quarter 2009) who had subsequent evidence of care 45-180 days after the most recent care event in the time period of interest. Example: Percentage of PLWDHI in care during the 1st quarter of 2010 who had evidence of care 45-180 days after the most recent care event in the 1st quarter of 2010.</td>
</tr>
<tr>
<td><strong>Numerator</strong></td>
<td>Number of PLWDHI with evidence of care during the time period of interest who had subsequent evidence of care 45-180 days after the most recent care event in the time period of interest.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>Total number of PLWDHI, with evidence of care during the time period of interest.</td>
</tr>
<tr>
<td><strong>Patient Numerator and Denominator Exclusions</strong></td>
<td>Excludes persons newly diagnosed during the period of interest.</td>
</tr>
</tbody>
</table>
Buffalo
Retention in Care Among PLWDHI Who Are In Care

Western NYS collaborative begins June, 2012

% of in care PLWDHI with evidence of additional care

Jan-Mar Apr-Jun Jul-Sep Oct-Dec Jan-Mar Apr-Jun Jul-Sep Oct-Dec Jan-Mar Apr-Jun Jul-Sep Oct-Dec

2011 2012 2013

PLWDHI in care at NY Links provider • • PLWDHI in care at non-NY Links provider

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
# Viral Suppression Among All PLWDHI

<table>
<thead>
<tr>
<th>Data Source</th>
<th>HIV/AIDS Surveillance Registry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure</strong></td>
<td><strong>Viral suppression among all PLWDHI:</strong> Percentage of PLWDHI alive as of a specific point in time (e.g., June 30, 2010), whose most recent VL during the prior 6 months (January 1-June 29, 2010) was &lt;200 copies/ml. Example: Percentage of PLWDHI alive as of June 30, 2010 whose most recent viral load during the prior 6 months (January 1-June 29, 2010) was &lt;200 copies/mL.</td>
</tr>
<tr>
<td><strong>Numerator</strong></td>
<td>Number of PLWDHI alive as of a specific point in time (e.g., June 30, 2010), whose most recent VL during the prior 6 months (January 1-June 29, 2010) was &lt;200 copies/ml.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>Total number of PLWDHI alive as of a specific point in time (e.g., June 30, 2010).</td>
</tr>
<tr>
<td><strong>Patient Numerator and Denominator Exclusions</strong></td>
<td>Excludes persons who are newly diagnosed during the 6 months before the time period of interest.</td>
</tr>
</tbody>
</table>
Buffalo
Viral Suppression Among
All PLWDHI

Western NYS collaborative begins June, 2012

% of PLWDHI whose most recent VL < 200 copies/mL

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
**VIRAL SUPPRESSION AMONG PLWDHI IN CARE**

<table>
<thead>
<tr>
<th>Data Source</th>
<th>HIV/AIDS Surveillance Registry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Viral Suppression among PLWDHI in care:</strong></td>
<td>Percentage of PLWDHI with one or more viral load tests during the reporting period of interest (e.g., 1\textsuperscript{st} quarter 2009) whose most recent viral load result was &lt;200 copies/mL. Example: Percentage of PLWDHI with at least one viral load test during the 1\textsuperscript{st} quarter of 2009 for whom the whose most recent viral load result in the time period was &lt;200 copies/mL</td>
</tr>
<tr>
<td><strong>Numerator</strong></td>
<td>Number of PLWDHI with &gt;1 viral load test during the time period whose most recent viral load results in the time period was &lt;200 copies/mL.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>Total number of PWLH with at least one VL reported during the time period.</td>
</tr>
<tr>
<td><strong>Patient Numerator and Denominator Exclusions:</strong></td>
<td>None</td>
</tr>
</tbody>
</table>
Buffalo
Viral Suppression Among PLWDHI Who Are In Care

Western NYS collaborative begins June, 2012

% of in care PLWDHI whose most recent VL <200 copies/mL

Jan-Mar Apr-Jun Jul-Sep Oct-Dec Jan-Mar Apr-Jun Jul-Sep Oct-Dec Jan-Mar Apr-Jun Jul-Sep Oct-Dec

2011 2012 2013

PLWDHI in care at NY Links provider • • • PLWDHI in care at non-NY Links provider

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
## SUSTAINED VIRAL SUPPRESSION AMONG ALL PLWDHI IN CARE

<table>
<thead>
<tr>
<th>Data Source</th>
<th>HIV/AIDS Surveillance Registry</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Measure</strong></td>
<td><strong>Viral suppression among all PLWDHI:</strong> Percentage of PLWDHI at a specific point in time (e.g. March 31, 2009), with ≥1 VL test, whose VL quantities reported during the 12 months following the point in time were all &lt;200 copies/ml. Example: Percentage of PLWDHI alive as of March 31, 2009 with ≥1 VL test whose VL quantities drawn through March 31, 2010 were all &lt;200 copies/mL.</td>
</tr>
<tr>
<td><strong>Numerator</strong></td>
<td>Number of PLWDHI alive as of a specific point in time (e.g., March 31, 2009), test whose VL quantities reported during the 12 months following the point in time were all &lt;200 copies/ml.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>Total number of PLWDHI alive as of a specific point in time (e.g., March 31, 2009) with ≥1 VL test over 12 months following the time point.</td>
</tr>
<tr>
<td><strong>Patient Numerator and Denominator Exclusions</strong></td>
<td>Excludes persons who are newly diagnosed during the 6 months before the time period of interest.</td>
</tr>
</tbody>
</table>
Buffalo
Sustained Viral Suppression Among PLWDHI Who Are In Care

Western NYS collaborative begins June, 2012

% of PLWDHI all VL < 200 copies/mL

Jan-Mar Apr-Jun Jul-Sep Oct-Dec Jan-Mar Apr-Jun Jul-Sep Oct-Dec Jan-Mar Apr-Jun Jul-Sep Oct-Dec

2011 2012 2013

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015

PLWDHI in care at NY Links provider — PLWDHI in care at non-NY Links provider
NY Links HIV Care Buffalo, 2011
Persons Living with Diagnosed HIV Infection

- **Persons Living w/Diagnosed HIV Infection**: 3,205
- **Any evidence of care**: 1,538
- **Retained in care**: 1,281
- **Viral suppression among PLWDHI with evidence of care**: 1,164
- **Sustained viral suppression among PLWDHI with evidence of recent care**: 1,039

4 ≥1 CD4/VL reported to the New York State Surveillance system in 2011.
5 percent of PLWDHI with evidence of care who had ≥2 CD4/VL tests reported to the New York State Surveillance system in 2011 that were at least 45 days but no more than 180 days apart.
6 percent of PLWDHI with evidence of recent care whose most recent VL in 2011 was <200 copies/mL.
7 percent of PLWDHI with evidence of care whose VL tests reported to the New York State Surveillance system in 2011 were all <200 copies/mL.

Counts by provider type do not sum total, not all PLWHDI had care during the year.
NYLinks HIV Care Buffalo, 2012

Persons Living with Diagnosed HIV Infection

- **Persons Living w/Diagnosed HIV Infection**: 3,274
  - Received care from NY Links provider: 1,596
  - Received care from non-NY Links provider: 1,678

- **Any evidence of care**: 1,596
  - Retained in care: 1,329
    - 83% of those w/evidence of care
    - 77% of those w/evidence of care
  - Viral suppression among PLWDDHI with evidence of care: 1,277
    - 80% of those w/evidence of care
    - 67% of those w/evidence of care
  - Sustained viral suppression among PLWDDHI with evidence of recent care: 1,119
    - 70% of those w/evidence of care
    - 57% of those w/evidence of care

---

4 ≥1 CD4/VL reported to the New York State Surveillance system in 2012.
5 percent of PLWDDHI with evidence of care who had ≥2 CD4/VL tests reported to the New York State Surveillance system in 2012 that were at least 45 days but no more than 180 days apart.
6 percent of PLWDDHI with evidence of recent care whose most recent VL in 2012 was <200 copies/mL.
7 percent of PLWDDHI with evidence of care whose VL tests reported to the New York State Surveillance system in 2012 were all <200 copies/mL.

Counts by provider type do not sum total, not all PLWDDHI had care during the year.
NYLinks HIV Care Outcomes in the Buffalo RWR, 2013:
Persons Living with Diagnosed HIV Infection

- **Persons Living w/Diagnosed HIV Infection**: 3,252
  - Received care from NYLinks provider: 1,657
  - Received care from non-NY Links provider: 1,595

- **Any evidence of care**: 1,657
  - 483
  - 1,174

- **Retained in care**: 1,239
  - 360
  - 879

- **Viral suppression among PLWDHI with evidence of care**: 1,400
  - 369
  - 1,031

- **Sustained viral suppression among PLWDHI with evidence of recent care**: 1,262
  - 323
  - 939

Counts by provider type do not sum total, not all PLWHDI had care during the year.

---

1. \( \geq 1 \) CD4/VL reported to the New York State Surveillance system in 2013.
2. \% of PLWDHI with evidence of care who had \( \geq 2 \) CD4/VL tests reported to the New York State Surveillance system in 2013 that were at least 45 days but no more than 180 days apart.
3. \% of PLWDHI with evidence of recent care whose most recent VL in 2013 was <200 copies/mL.
4. \% of PLWDHI with evidence of care whose VL tests reported to the New York State Surveillance system in 2013 were all <200 copies/mL;
2013 Data Summary: Persons Living with Diagnosed HIV Infection

Buffalo

• There were 3,252 PLWDHI in the Buffalo Ryan White Region
• The proportion of persons with evidence of care has declined since 2011
  – 42% at last quarter of 2013
• Retention in care was comparable between NYLinks and non-NYLinks providers but was slightly lower than in 2012
  – ~80% for both at last quarter of 2013
• Viral suppression among persons who were in care increased and was higher among persons attending NYLinks providers
  – 87% and 79%, respectively at last quarter of 2013
• Finding were similar for sustained viral suppression
  – 80% and 68%, respectively at last quarter of 2013
Limitations of NYS HIV Surveillance Data (1)

- Data reporting lag
  - Approximately one year required for complete year’s laboratory reports for persons newly diagnosed with HIV

- Missing or incomplete provider data
  - Limited by information received from laboratories
  - For PLWDHI, affiliation with NYLinks is based on information received from participating providers

- Residence is based on location at HIV or AIDS diagnosis, not current residence
  - Proportions may slightly over or under estimate the true proportion in each geographic area as they do not reflect patient migration across regions
Limitations of NYS HIV Surveillance Data (2)

- Small number of cases limit interpretation of some measures
- The calculation methodology may differ between measures shown here and those used in other NYS calculations
  - The percents shown here may differ from those shown in other NYS publications
Other Related Data Sources

- NYLinks website: http://newyorklinks.org
- NYLinks database: http://newyorklinks.org/ny_database
- NYLinks blog: linkandretain.wordpress.com