Rochester

NYLinks Evaluation Dissemination Slide Set
August 2015

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

1. Facility-level measures
   a) Additions and changes
   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 Rochester, Ryan White region
WNY Regional Group Members

**Buffalo**
1. American Red Cross
2. Kaleida health
3. ECMC
4. Evergreen

**Rochester**
5. Trillium Health
6. Huther-Doyle
7. Anthony Jordan
8. Catholic Charities
9. Monroe County Health Department
10. Strong Memorial
11. Action for a Better Community
Facility-Level Measures
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
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
### NYLinks Facility-Level Measure Definitions

<table>
<thead>
<tr>
<th>Measure</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Linkage to care among newly diagnosed persons</strong></td>
<td>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</td>
</tr>
<tr>
<td><strong>Retention</strong></td>
<td>Percentage 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 with a minimum of 60 days between HIV clinical care visits</td>
</tr>
<tr>
<td><strong>New patient retention</strong></td>
<td>Percentage of new patients who have their initial HIV clinical care 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</td>
</tr>
</tbody>
</table>
### 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>Numerator</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>Number of newly diagnosed persons within the reporting period.</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>Numerator</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>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.</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>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 at least one HIV clinical care visit in each of the subsequent 4-month periods in the measurement period.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Numerator</strong></td>
<td>Number of new patients who had at least one HIV clinical care visit in each 4-month period of the measurement period.</td>
</tr>
<tr>
<td><strong>Denominator</strong></td>
<td>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.</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.
Rochester—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
**Rochester—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.

**Measurement period**

- **Jun’11-May’12:** 95 pts, 3/3 sites
- **Jun’12-May’13:** 67 pts, 3/3 sites
- **Jun’13-May’14:** 25 pts, 2/3 sites
- **Apr’14-Mar’15:** 33 pts, 2/3 sites

- **Total # of eligible patients:** denominator, and # of sites reporting
- **Start of WNYS:** Jun 2012

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

- Data submissions by Rochester sites have decreased over time.
- Difficult to interpret outcome trends for Rochester without consistent data submissions.
- Retention in care has remained steady over time with a slight increase (approximately 81% to 91% 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.)
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
PLWHA 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)

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

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

NYS HIV surveillance data as of April, 2015 (BHA/EAI/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)

Rate per 100,000 population
- 19.3 - 89.2
- 89.3 - 139.2
- 139.3 - 199.7
- 199.8 - 313.7
- 313.8 - 589.6

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

Excludes prison inmates*

Includes 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.

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/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.

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

*Newly diagnosed case counts not displayed for counties with low numbers (≤5).
NYS HIV surveillance data available as of April 2015. Data excludes NYS inmates.
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

Number of PLWHA by county of residence at diagnosis

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*

- 71.4 - 74.8%  
- 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

- Buffalo: 97 / 123
- Rochester: 78 / 94
- Syracuse: 66 / 80
- Albany: 74 / 92
- Binghamton: 10 / 14
- Mid Hudson: 56 / 67
- Lower Hudson: 104 / 139
- NYC: 1,913 / 2,417
- Nassau Suffolk

*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%

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

Number virally suppressed / Number newly diagnosed:

- Buffalo: 82 / 123
- Rochester: 64 / 94
- Syracuse: 61 / 80
- Albany: 59 / 92
- Binghamton: 6 / 14
- Mid Hudson: 50 / 67
- Lower Hudson: 84 / 139
- NYC: 1,535 / 2,417

*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.

Surveillance-based Measures
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 newly diagnosed and those not linked to care
NY Links Participating Organizations in Surveillance Slides

<table>
<thead>
<tr>
<th></th>
<th>Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>American Red Cross - Rochester</td>
</tr>
<tr>
<td>2</td>
<td>Trillium Health</td>
</tr>
<tr>
<td>3</td>
<td>Anthony Jordan Health Center</td>
</tr>
<tr>
<td>4</td>
<td>Erie County Medical Center</td>
</tr>
<tr>
<td>5</td>
<td>Evergreen Health Services</td>
</tr>
<tr>
<td>6</td>
<td>Monroe Co. Department of Health</td>
</tr>
<tr>
<td>7</td>
<td>Strong Memorial Hospital</td>
</tr>
<tr>
<td>8</td>
<td>Women and Children's Hospital</td>
</tr>
<tr>
<td>9</td>
<td>NYSDOH-Buffalo</td>
</tr>
<tr>
<td>10</td>
<td>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.
New HIV Diagnoses in WNY

Surveillance-Based Slides
### Data Source
HIV/AIDS Surveillance Registry

### Measure

<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Concurrent HIV/AIDS diagnosis:</strong></td>
<td>Proportion of new HIV diagnoses during the reporting period of interest with an AIDS diagnosis that occurred within 30 days of the HIV diagnosis.</td>
</tr>
<tr>
<td><strong>Median CD4 cell count at diagnosis:</strong></td>
<td>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.</td>
</tr>
</tbody>
</table>

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>
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<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

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

- Diagnosed by NY Links provider
- Diagnosed by non-NY Links provider

NY-Links
NYLinks HIV Care Outcomes in Western New York State, 2013: Persons Newly Diagnosed with HIV

1. Total New Diagnosed
   - NY Links provider: 102
   - non-NY Links provider: 110

2. Linked to Care within 3 months
   - NY Links provider: 82%
   - non-NY Links provider: 81%

3. Retained in Care
   - NY Links provider: 53%
   - non-NY Links provider: 60%

4. Viral Suppression within 6 months of Diagnosis
   - NY Links provider: 52%
   - non-NY Links provider: 56%

5. Viral Suppression within 12 months of Diagnosis
   - NY Links provider: 69%
   - non-NY Links provider: 68%

---

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.
Persons Living with Diagnosed HIV Infection

Surveillance-based Slides
Western New York State: Rochester (1)
Demographic Characteristics of PLWDH with Evidence of Care, 2013

<table>
<thead>
<tr>
<th></th>
<th>Total</th>
<th>NYLinks</th>
<th>Non-NYLinks</th>
<th>No Care</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Birth sex</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>2,282</td>
<td>1,087 (69)</td>
<td>475 (77)</td>
<td>720 (78)</td>
</tr>
<tr>
<td>Female</td>
<td>831</td>
<td>486 (31)</td>
<td>142 (23)</td>
<td>203 (22)</td>
</tr>
<tr>
<td><strong>Race/Ethnicity</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>1,087</td>
<td>590 (38)</td>
<td>219 (35)</td>
<td>278 (30)</td>
</tr>
<tr>
<td>Black</td>
<td>1,179</td>
<td>583 (37)</td>
<td>222 (36)</td>
<td>374 (41)</td>
</tr>
<tr>
<td>Hispanic</td>
<td>589</td>
<td>251 (16)</td>
<td>115 (19)</td>
<td>223 (24)</td>
</tr>
<tr>
<td>Asian/Pac Isl</td>
<td>9</td>
<td>5 (&lt;1)</td>
<td>1 (&lt;1)</td>
<td>3 (&lt;1)</td>
</tr>
<tr>
<td>Native Am.</td>
<td>1</td>
<td>0 (--)</td>
<td>0 (--)</td>
<td>1 (&lt;1)</td>
</tr>
<tr>
<td>Multirace</td>
<td>248</td>
<td>144 (9)</td>
<td>60 (10)</td>
<td>44 (5)</td>
</tr>
</tbody>
</table>

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
## Western New York State: Rochester (2)

### Demographic Characteristics of PLWDHI with Evidence of Care, 2013

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

<table>
<thead>
<tr>
<th>Age at Diagnosis</th>
<th>Total</th>
<th>NYLinks</th>
<th>Non-NYLinks</th>
<th>No Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&amp;under</td>
<td>3</td>
<td>2 (&lt;1)</td>
<td>1 (&lt;1)</td>
<td>0 (--   )</td>
</tr>
<tr>
<td>13-19</td>
<td>11</td>
<td>7 (&lt;1)</td>
<td>3 (&lt;1)</td>
<td>1 (&lt;1)</td>
</tr>
<tr>
<td>20-24</td>
<td>85</td>
<td>52 (3)</td>
<td>12 (2)</td>
<td>21 (2)</td>
</tr>
<tr>
<td>25-29</td>
<td>141</td>
<td>74 (5)</td>
<td>25 (4)</td>
<td>42 (5)</td>
</tr>
<tr>
<td>30-39</td>
<td>384</td>
<td>181 (12)</td>
<td>75 (12)</td>
<td>128 (14)</td>
</tr>
<tr>
<td>40-49</td>
<td>900</td>
<td>452 (29)</td>
<td>187 (30)</td>
<td>261 (29)</td>
</tr>
<tr>
<td>50-59</td>
<td>1,076</td>
<td>546 (35)</td>
<td>222 (36)</td>
<td>308 (33)</td>
</tr>
<tr>
<td>60+</td>
<td>513</td>
<td>259 (17)</td>
<td>92 (15)</td>
<td>162 (18)</td>
</tr>
</tbody>
</table>

**NY-Links**

Data Source: NYS HIV/AIDS Surveillance data as of April, 2015
### Western New York State: Rochester (3)
#### Demographic Characteristics of PLWDHI with Evidence of Care, 2013

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

<table>
<thead>
<tr>
<th>Transmission Risk</th>
<th>Rochester</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>n (%)</td>
</tr>
<tr>
<td>NYLinks</td>
<td>Non-NYLinks</td>
</tr>
<tr>
<td>MSM</td>
<td>1,137</td>
</tr>
<tr>
<td>IDU</td>
<td>614</td>
</tr>
<tr>
<td>MSM/IDU</td>
<td>140</td>
</tr>
<tr>
<td>Heterosexual</td>
<td>497</td>
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<tr>
<td>Female Presumed Hetero. Contact</td>
<td>288</td>
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<tr>
<td>Pediatric Risk</td>
<td>34</td>
</tr>
<tr>
<td>Blood Products</td>
<td>12</td>
</tr>
<tr>
<td>Unknown</td>
<td>391</td>
</tr>
</tbody>
</table>
NY Links HIV Care Rochester, 2011
Persons Living with Diagnosed HIV Infection

- **Persons Living w/Diagnosed HIV Infection**: 3,095
  - Received care from WNY, NY Links provider: 1,072
  - Received care from WNY, non-NY Links provider: 1,133

- **Any evidence of care**
  - 84% of those w/evidence of care
  - 82% of those w/evidence of care

- **Retained in care**
  - 83% of those w/evidence of care
  - 73% of those w/evidence of care

- **Viral suppression among PLWDHI with evidence of care**
  - 83% of those w/evidence of care
  - 73% of those w/evidence of care

- **Sustained viral suppression among PLWDHI with evidence of recent care**
  - 73% of those w/evidence of care
  - 63% of those w/evidence of care

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84% of those with evidence of care had ≥2 CD4/VL reported to the New York State Surveillance system in 2011.
83% of those with evidence of recent care whose most recent VL in 2011 was <200 copies/mL; 63% of those with evidence of care whose VL tests reported to the New York State Surveillance system in 2011 were all <200 copies/mL; 6% of PLWDHIs 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.
Counts by provider type do not sum total, not all PLWHDI had care during the year.
NYLinks HIV Care Rochester, 2012

Persons Living with Diagnosed HIV Infection

- **Persons Living w/Diagnosed HIV Infection**: 3,150
  - **Received care from NY Links provider**: 1,525
  - **Received care from non-NY Links provider**: 708

- **Any evidence of care⁴**: 1,525
  - **%**: 84% of those w/evidence of care

- **Retained in care⁵**: 1,274
  - **%**: 80% of those w/evidence of care

- **Viral suppression among PLWDHI with evidence of care⁶**: 1,180
  - **%**: 77% of those w/evidence of care

- **Sustained viral suppression among PLWDHI with evidence of recent care⁷**: 1,087
  - **%**: 71% of those w/evidence of care

---

⁴ ≥1 CD4/VL reported to the New York State Surveillance system in 2012.

⁵ percent of PLWDHI 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 PLWDHI with evidence of recent care whose most recent VL in 2012 was <200 copies/mL.

⁷ percent of PLWDHI 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 PLWHDI had care during the year.
NY Links HIV Care Outcomes in the Rochester RWR, 2013:
Persons Living with Diagnosed HIV Infection

- **Persons Living w/Diagnosed HIV Infection**: 3,113
  - Received care from NY Links provider: 1,573
  - Received care from non-NY Links provider: 1,540

- **Any evidence of care**¹: 1,573
  - 82% of those w/evidence of care

- **Retained in care**²: 1,294
  - 78% of those w/evidence of care

- **Viral suppression among PLWDHI with evidence of care**³: 1,316
  - 84% of those w/evidence of care
  - 79% of those w/evidence of care

- **Sustained viral suppression among PLWDHI with evidence of recent care**⁴: 1,193
  - 76% of those w/evidence of care
  - 68% of those w/evidence of care

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¹ ≥1 CD4/VL reported to the New York State Surveillance system in 2013.
² percent of PLWDHI with evidence of care who had ≥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 percent of PLWDHI with evidence of recent care whose most recent VL in 2013 was <200 copies/mL.
⁴ percent of PLWDHI with evidence of care whose VL tests reported to the New York State Surveillance system in 2013 were all <200 copies/mL.

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