Today’s Presentation

• Newly Diagnosed Cases

• Persons Living with Diagnosed HIV Infection (PLWDHI)

• Population Projection (2032)

• Measures of Linkage and Retention

• Observations
New diagnoses
Newly Diagnosed HIV Cases
New York State, 2002-2013*

*Data as of April 2015

42% drop in new HIV diagnoses 2002-2013
Newly Diagnosed HIV Cases by Age at Diagnosis and Year of Diagnosis
New York State, 2002-2013*

32% drop in new HIV diagnoses age 50+ 2002-2013.
Age 50+ has accounted for 15-18% of new diagnoses over the last decade.

*Data as of April 2015
Age Distribution of Newly Diagnosed HIV* Cases
New York State, 2013**

3,512 Total; 2,007 Male, 537 Female

Among new cases age 50+, about a third are women

*Regardless of subsequent or concurrent AIDS diagnosis
**Data as of September 2015
Newly Diagnosed HIV Cases, by Age and Race/Ethnicity, New York State, 2013

<table>
<thead>
<tr>
<th>Age at Diagnosis</th>
<th>White</th>
<th>Black</th>
<th>Hispanic</th>
<th>All Others*</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;50</td>
<td>2,818</td>
<td>391</td>
<td>201</td>
<td></td>
</tr>
<tr>
<td>N=2,818</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>50-59</td>
<td>391</td>
<td>201</td>
<td>201</td>
<td></td>
</tr>
<tr>
<td>N=391</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60+</td>
<td>201</td>
<td>201</td>
<td>201</td>
<td></td>
</tr>
<tr>
<td>N=201</td>
<td></td>
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</tr>
</tbody>
</table>

*Includes Asians, Pacific Islanders, Native Americans, Alaskan Natives and Multi-Race
A large proportion of persons diagnosed at later ages have long-standing infections.
Persons Living with Diagnosed HIV Infection
Persons Living with Diagnosed HIV Infection Residing in NYS†, December 2013*
by Age

N=113,049
Average age=47.3 yrs

46% of PLWDHI are age 50+

† Based on most recent address, regardless of where diagnosed. Excludes persons with AIDS with no evidence of care for ≥5 years and persons with diagnosed HIV (non-AIDS) with no evidence of care for ≥8 years.
PLWDHI by Age Group and Race/Ethnicity, New York State, 2013

*Includes Asians, Pacific Islanders, Native Americans, Alaskan Natives and Multi-Race
NYSDOH uses a method developed by the Centers for Disease Control, NYSDOH estimated that in 2013 there were about 2,800 new HIV infections in New York State.

Persons age 45 and over account for 22% of estimated new infections in 2013

<table>
<thead>
<tr>
<th>Age group</th>
<th>Estimated Incidence, 2013*</th>
</tr>
</thead>
<tbody>
<tr>
<td>13-14</td>
<td>643</td>
</tr>
<tr>
<td>25-34</td>
<td>937</td>
</tr>
<tr>
<td>35-44</td>
<td>589</td>
</tr>
<tr>
<td>45-54</td>
<td>388</td>
</tr>
<tr>
<td>55+</td>
<td>239</td>
</tr>
<tr>
<td>Total</td>
<td>2,796</td>
</tr>
</tbody>
</table>

* Estimate of 12/2014 based on data as of 10/2014
Projection – PLWDH age 50+
Population Projections

A population simulation model developed by the AIDS Institute Bureau of HIV/AIDS Epidemiology projected that *if recent HIV diagnosis and death rates are maintained*, then between 2013 and 2032:

The number of PLWDHI age $\geq 50$ will rise by about 47%

age $\geq 65$ will rise by 360%

PLWDHI $\geq 50$ will rise from 47% to 59% of total PLWDHI

65+ will rise from 7% to 28% of total PLWDHI
Measures of Care
Measures of HIV Care by Age Group
New York State, 2013*

- Entry to Care within 3 Months of Diagnosis
- Continuity of Care (≥2 tests in 2013, ≥3 months apart)
- Viral Suppression at Last Test in the Year

*Data as of February, 2015

Summary & Discussion
Observations/Discussion (1)

• Persons age 50+ accounted for 18% of the 3,500 new diagnoses in NYS in 2013, and a roughly similar proportion of the estimated 2,800 new infections.
  • Prevention services must be directed to older persons as well as younger ones
  • The high proportion (1/3) of concurrent HIV/AIDS diagnoses indicate missed opportunities for diagnosis and need for outreach

• Currently, nearly half the 113,000 persons living with diagnosed HIV infection in New York State are age 50+
  • Over the coming 20 years this group will increase substantially both in number and as proportion of total PLWDHI
Observations/Discussion (2)

• Entry to care after diagnosis is similar across age groups
  • The 2010 NHAS goal (85% within 3 months) is almost met, but the 2015 NHAS goal (85% within 1 month) has not yet been met

• Continuity of care and viral suppression among those age 50+ are higher than among younger ages, but the 2015 NHAS goals have not yet been met.

• HIV in persons age 50+ presents a distinct challenge in terms of
  • prevention,
  • diagnosis outreach and
  • coordination of HIV-specific care with the normal increasing care needs of older persons in general
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