Demographic Breakdowns of the HIV Care Continuum in Minnesota

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Source: Minnesota HIV Surveillance System
• **People Living with Diagnosed HIV/AIDS (PLWH)**
  Defined as people age 13 and older diagnosed with HIV infection (regardless of stage at diagnosis) and **reported** to the Minnesota Department of Health through year-end 2016, who were alive at year-end 2017.

• **Linked to Care**
  Calculated as the percentage of people age 13 and older linked to care within 30 days after initial HIV diagnosis during 2016. Note that linkage to care has a different denominator than all of the other bars, because it focuses on one year of new HIV diagnoses.

• **Retained in Care**
  Calculated as the percentage of people age 13 and older who had ≥1 CD4 or viral load test results reported to MDH during 2017 among those diagnosed with HIV through year-end 2016 and alive at year-end 2017.

• **Virally Suppressed**
  Calculated as the percentage of people age 13 and older who had a suppressed viral load (≤200 copies/mL) at most recent test during 2017, among those diagnosed with HIV through year-end 2016 and alive at year-end 2017.
HIV Continuum of Care in Minnesota 2017

Percentages of people diagnosed with HIV in stages of the care continuum

- **Undiagnosed**: 1000
- **Total**: 9580
- **Diagnosed in 2016**: 8580 (100%)
- **Linked to Care**: 241/293 (82%)
- **Retained in Care**: 6243/8580 (73%)
- **Virally Suppressed**: 5508/8580 (64%)

**Definitions**:

- a Defined as people undiagnosed (estimate 1000 (95% CI 600-1400)) and people diagnosed (8580) with HIV age 13 or older (regardless of stage at diagnosis) through year end 2016, still alive at year end 2017.
- b Defined as people diagnosed with HIV age 13 or older (regardless of stage at diagnosis) through year end 2016, still alive at year end 2017.
- c Calculated as the percentage of people linked to care within 30 days after initial diagnosis in 2016. Linkage to care is based on the number of people diagnosed in 2016 and therefore a different color.
- d Calculated as the percentage of people who had ≥ 1 CD4 or viral load test results reported to MDH during 2017 among those diagnosed through 2016 and still alive at year end 2017.
- e Calculated as the percentage of people who had suppressed viral load (≤200 copies/mL) at most recent test reported to MDH during 2017 among those diagnosed through 2016 and still alive at year end 2017.
- † Calculated as the percentage of people who had suppressed viral load (≤200 copies/mL) at most recent test reported to MDH during 2017 among those retained in care in 2017 (5508/6243).
How does Minnesota compare with National HIV/AIDS Strategy (NHAS) goals?

Increase the percentage of people living with HIV who know their serostatus to 90 percent, 2017

NHAS Goal

- Percentage of people living with HIV who know their serostatus

Minnesota

90%
Increase the percentage of newly diagnosed people linked to HIV medical care within one month of their HIV diagnosis to at least 85 percent, 2017

NHAS Goal

85%

Minnesota

82%

Percentage of newly diagnosed people linked to HIV medical care within one month of their HIV diagnosis
Increase the percentage of people with diagnosed HIV infection who are retained in care to at least 90 percent, 2017

NHAS Goal

73%

Minnesota

90%

Percentage of people with diagnosed HIV infection who are retained in care
Increase the percentage of people with diagnosed HIV infection who are virally suppressed to at least 80 percent, 2017.
Demographic breakouts of the HIV care continuum in Minnesota, 2017
Percentages of people diagnosed with HIV in stages of the care continuum, by sex assigned at birth in Minnesota, 2017

Assigned Male at Birth
- PLWH: 100%
- Linked to Care in 30 days: 81%
- Retained in Care: 72%
- Virally Suppressed: 64%

Assigned Female at Birth
- PLWH: 100%
- Linked to Care in 30 days: 88%
- Retained in Care: 74%
- Virally Suppressed: 63%
Percentages of people diagnosed with HIV in stages of the care continuum, by age* in Minnesota, 2017

*Current age is used to calculate PLWH, retention in care, and viral suppression. Age at time of HIV diagnosis is used for the linkage to care bar.
†Not reportable, <5 in population
Percentages of people diagnosed with HIV in stages of the care continuum, by mode of transmission† in Minnesota, 2017

†Mode of transmission is collected at time of HIV diagnosis and may not be representative of current transmission risk
*Unknown includes no mode of transmission identified. Other includes unspecified risk, hemophilia, transplant/transfusion recipients, or a mother with HIV or HIV risk.
Percentages of people diagnosed with HIV in stages of the care continuum, by race/ethnicity in Minnesota, 2017

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>PLWH</th>
<th>Linked to Care in 30 days</th>
<th>Retained in Care</th>
<th>Virally Suppressed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hispanic</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>American Indian</td>
<td>88%</td>
<td>88%</td>
<td>65%</td>
<td>57%</td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td>100%</td>
<td>77%</td>
<td>73%</td>
<td>77%</td>
</tr>
<tr>
<td>Black, non African-born</td>
<td>75%</td>
<td>82%</td>
<td>57%</td>
<td>62%</td>
</tr>
<tr>
<td>Black, African-born</td>
<td>100%</td>
<td>82%</td>
<td>71%</td>
<td>70%</td>
</tr>
<tr>
<td>White</td>
<td>100%</td>
<td>87%</td>
<td>77%</td>
<td>70%</td>
</tr>
<tr>
<td>Multiple Races</td>
<td>100%</td>
<td>100%</td>
<td>67%</td>
<td>60%</td>
</tr>
</tbody>
</table>

†Not reportable, <5 in population
*Hispanic includes all races, all other races are non-Hispanic
Percentages of people diagnosed with HIV in stages of the care continuum, by geography* in Minnesota, 2017 (1/2)

* Metro area includes counties of Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington. Greater Minnesota includes all remaining 80 counties.
Percentages of people diagnosed with HIV in stages of the care continuum, by geography* in Minnesota, 2017 (2/2)

*TGA includes counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, and Washington. Greater Minnesota includes all remaining 76 counties. The 11-county TGA is used as a geographic breakout for HIV, because Ryan White Part A funds services for PLWH in this part of the state. However, not all PLWH living in the TGA receive Ryan White Services.
MSM and MSM/IDU-specific Analyses (n=4694)
Percentages of MSM diagnosed with HIV in stages of the care continuum in Minnesota, 2017

- All MSM
  - PLWH: 100%
  - Linked to Care: 83%
  - Retained in Care: 75%
  - Virally Suppressed: 67%

- All PLWH
  - PLWH: 100%
  - Linked to Care: 82%
  - Retained in Care: 73%
  - Virally Suppressed: 64%
Percentages of MSM diagnosed with HIV in stages of the care continuum, by race/ethnicity in Minnesota, 2017

†Not reportable, <5 in population
* Hispanic includes all races, all other races are non-Hispanic
Percentages of MSM diagnosed with HIV in stages of the care continuum, by age* in Minnesota, 2017

*Current age is used to calculate PLWH, retention in care, and viral suppression. Age at time of HIV diagnosis is used for the linkage to care bar.
†Not reportable, <5 in population
Percentages of MSM diagnosed with HIV in stages of the care continuum, by geography* in Minnesota, 2017 (1/2)

*Metro area includes counties of Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington. Greater Minnesota includes all remaining 80 counties.
Percentages of MSM diagnosed with HIV in stages of the care continuum, by geography* in Minnesota, 2017 (2/2)

*TGA includes counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, and Washington. Greater Minnesota includes all remaining 76 counties. The 11-county TGA is used as a geographic breakout for HIV, because Ryan White Part A funds services for PLWH in this part of the state. However, not all PLWH living in the TGA receive Ryan White Services.
Analyses of populations in care, but not virally suppressed
Breakout of in care virally suppressed\(^\text{^}\), in care not virally suppressed, and not in care by sex assigned at birth in Minnesota, 2017

\(^\text{^}\)Viral suppression, as defined by both HRSA and CDC, is \(\leq 200 \text{ copies/mL}\)
Breakout of in care virally suppressed\(^\text{^}\), in care not virally suppressed, and not in care by race/ethnicity in Minnesota, 2017

\(^\text{^}\)Viral suppression, as defined by both HRSA and CDC, is \(\leq 200\) copies/mL

*Hispanic includes all races, all other races are non-Hispanic
Breakout of in care virally suppressed\(^\dagger\), in care not virally suppressed, and not in care by age* in Minnesota, 2017

\[^\dagger\]Viral suppression, as defined by both HRSA and CDC, is ≤200 copies/mL

*Current age is used to calculate PLWH, retention in care, and viral suppression.
Breakout of in care virally suppressed^, in care not virally suppressed, and not in care by mode of transmission† in Minnesota, 2017

<table>
<thead>
<tr>
<th>Mode of Transmission</th>
<th>In Care, Virally Suppressed</th>
<th>In Care, not Virally Suppressed</th>
<th>Not in Care</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSM</td>
<td>68%</td>
<td>7%</td>
<td>25%</td>
</tr>
<tr>
<td>IDU</td>
<td>53%</td>
<td>9%</td>
<td>38%</td>
</tr>
<tr>
<td>MSM/IDU</td>
<td>63%</td>
<td>10%</td>
<td>27%</td>
</tr>
<tr>
<td>Heterosexual</td>
<td>65%</td>
<td>10%</td>
<td>25%</td>
</tr>
<tr>
<td>Unknown/Other*</td>
<td>60%</td>
<td>10%</td>
<td>30%</td>
</tr>
<tr>
<td>All PLWH</td>
<td>64%</td>
<td>9%</td>
<td>27%</td>
</tr>
</tbody>
</table>

^Viral suppression, as defined by both HRSA and CDC, is ≤200 copies/mL
†Mode of transmission is collected at time of HIV diagnosis and may not be representative of current transmission risk
*Unknown includes no mode of transmission identified. Other includes unspecified risk, hemophilia, transplant/transfusion recipients, or a mother with HIV or HIV risk.
Breakout of in care virally suppressed\(^\wedge\), in care not virally suppressed, and not in care by geography* in Minnesota, 2017 (1/2)

\(^\wedge\)Viral suppression, as defined by both HRSA and CDC, is ≤200 copies/mL

*Metro area includes counties of Anoka, Carver, Dakota, Hennepin, Ramsey, Scott, and Washington. Greater Minnesota includes all remaining 80 counties.
Breakout of in care virally suppressed^, in care not virally suppressed, and not in care by geography* in Minnesota, 2017 (2/2)

^Viral suppression, as defined by both HRSA and CDC, is ≤200 copies/mL

*TGA includes counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, and Washington. Greater Minnesota includes all remaining 76 counties.
Analyses of PLWH Receiving Ryan White Services
Percentages of people diagnosed with HIV in stages of the care continuum by Ryan White enrollment* in Minnesota, 2017

*Defined as having received at least one Ryan White-funded service during 2017. Total Ryan White population is 3801, which makes up 44% of the total HIV prevalent population.
Percentages of MSM diagnosed with HIV in stages of the care continuum by Ryan White enrollment* in Minnesota, 2017

*Defined as having received at least one Ryan White-funded service during 2017. Total Ryan White MSM population is 1954, which makes up 42% of the total MSM HIV prevalent population. MSM risk is determined by risk information from the Minnesota HIV Surveillance System (eHARS).
Breakout of in care virally suppressed\(^\text{^}\), in care not virally suppressed, and not in care by Ryan White enrollment\(^\text{*}\) in Minnesota, 2017

\[\begin{array}{c|c|c|c}
\text{Ryan White Enrolled Clients (n=3801)} & \text{All PLWH (n=8580)} \\
\hline
\text{In Care, Virally Suppressed} & 81\% & 64\% \\
\text{In Care, not Virally Suppressed} & 11\% & 9\% \\
\text{Not in Care} & 8\% & 27\% \\
\hline
\end{array}\]

\(^\text{\textsuperscript{\text{^}}}\text{Viral suppression, as defined by both HRSA and CDC, is \leq 200 copies/mL}\)
\(^\text{*}\text{Defined as having received at least one Ryan White-funded service during 2017. Total Ryan White population is 3801, which makes up 44\% of the total HIV prevalent population.}\)
Additional Care Continuum Analyses
For those not in care in 2017 (n=2337), when were they last in care?

- 7% Some time prior to mandated reporting in 2012
- 21% 2016
- 8% 2015
- 4% 2014
- 4% 2013
- 4% 2012
- 51% These people were not in care in 2017, but have since re-engaged.
Viral Suppression* in the Continuum of Care (n=8580)

*Viral suppression, as defined by both HRSA and CDC, is ≤200 copies/mL

- Out of Care (2337, 27%)
- In Care, not virally suppressed at last lab reported in 2017 (521, 6%)
- In Care and Virally Suppressed at last reported lab in 2017 (5508, 64%)
- CD4 only, no viral load reported (214, 2%)