HAWAII 2015 HIV CARE CONTINUUM

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UPDATED NATIONAL HIV/AIDS STRATEGY (NHAS) 2020

- Three main goals of NHAS 2020
  - Reduce new HIV infections
  - Increase access to care and improve health outcomes for people living with HIV
  - Reduce HIV-related disparities and health inequities
### NHAS 2020 HIV Care Continuum Indicators

<table>
<thead>
<tr>
<th>Selected Indicators</th>
<th>2014 National</th>
<th>2014 Hawaii</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increase the percentage of newly diagnosed persons linked to HIV medical care ≤1 month of diagnosis to ≥85%</td>
<td>74.5%</td>
<td>84.0%</td>
</tr>
<tr>
<td>Increase the percentage of persons with diagnosed HIV infection who are retained in HIV medical care to ≥90%</td>
<td>56.9%</td>
<td>47.9%</td>
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<tr>
<td>Increase the percentage of persons with diagnosed HIV infection who are virally suppressed to ≥80%</td>
<td>57.9%</td>
<td>59.9%</td>
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How are we doing more recently?
Hawaii 2015 HIV Care Continuum Study Population:
1. ≥13 years with HIV diagnosed by year-end 2014;
2. alive and residing in Hawaii at year-end 2015;

3,917 cases whose HIV infections were diagnosed by year-end 2014 and who were alive by year-end 2015

• Excluding 1,055 out of state cases
• Excluding 10 cases as deceased

2,852 cases remaining, of which 763 cases whose residence not known

• Excluding 464 cases with HIV diagnosed ≤2005 and not been in care since 2006
• Excluding 7 cases < 13 years old

2,381 cases: study population for Hawaii 2015 care continuum indicators (except for linkage to care)
LINKAGE TO CARE

- **Denominator:** persons whose infection was diagnosed during 2015 and who resided in Hawaii at the time of diagnosis; only persons aged ≥13 years at HIV diagnosis were included.

- **Linkage to care within 1 month after HIV diagnosis:** measured by documentation of ≥1 CD4 or viral load tests performed ≤1 month after HIV diagnosis.
Linkage to HIV Medical Care ≤1 Month After HIV Diagnosis Among Persons Aged ≥13 Years at Diagnosis, 2010-2015, Hawaii

National 2020 target: 85%
**RECEIPT OF ANY HIV MEDICAL CARE (IN CARE) & RETENTION IN CARE**

- **Denominator:** Persons whose infection was diagnosed by year-end 2014, who were alive and resided in Hawaii at year-end 2015. Only persons aged ≥13 years at year-end 2014 were included.

- **Receipt of any care:** Measured by documentation of ≥1 CD4 or viral load tests performed during 2015.

- **Retention in care:** Measured by documentation of ≥2 CD4 or viral load tests performed ≥3 months apart during 2015.
Receipt of Any Care and Retention in Care 2015, Hawaii

Receipt of any care (n=2,381) Retained in care (n=2,381)

Percentage

Receipt of any care (n=2,381) 79.3
Retained in care (n=2,381) 51.2

National 2020 target of retention 90%
VIRAL SUPPRESSION

**Definition:** defined as having a viral load (VL) result of <200 copies/mL at the most recent VL test (or the last VL test) in 2015

**Numerator:** persons with a VL test result of <200 copies/mL at their most recent VL test in 2015

**Denominator:**
- All persons: persons aged ≥13 years at year-end 2014 with HIV infection diagnosed through year-end 2014 and resided in Hawaii at year-end 2015
- Persons in care in 2015
- Persons retained in care in 2015
Virally suppressed (VS) among all (n=2,381)

VS among persons in care in 2015 (n=1,887)

VS among persons retained in care in 2015 (n=1,219)

Percentage HIV Viral Suppression, 2015, Hawaii

National 2020 target among all: 80%
HIV Care Continuum, 2015, Hawaii

- **Linkage to care ≤1 month (n=124):** 86.3%
  - National 2020 target: 85%

- **Receipt of any care (n=2,381):** 79.3%
  - National 2020 target: 90%

- **Retention in care (n=2,381):** 51.2%
  - National 2020 target: 80%

- **Viral suppression (n=2,381):** 69.4%
Hawaii 2015 HIV Care Continuum, by Sex

- **Linkage to care ≤1 month**
  - Male: 86.1%
  - Female: 88.9%

- **Receipt of any care**
  - Male: 79.6%
  - Female: 76.9%

- **Retention in care**
  - Male: 51.9%
  - Female: 46.2%

- **Viral suppression**
  - Male: 70.1%
  - Female: 63.7%
Hawaii 2015 HIV Care Continuum, by Age

- Linkage to care ≤1 month:
  - 13-24: 72.9%
  - 34-45: 70.2%
  - 25-34: 70.2%
  - 45-54: 70.2%
  - 55 and above: 70.2%

- Receipt of any care:
  - 13-24: 72.9%
  - 34-45: 70.2%
  - 25-34: 70.2%
  - 45-54: 70.2%
  - 55 and above: 70.2%

- Retention in care:
  - 13-24: 31.9%
  - 34-45: 31.9%
  - 25-34: 31.9%
  - 45-54: 31.9%
  - 55 and above: 31.9%

- Viral suppression:
  - 13-24: 53.2%
  - 34-45: 58.1%
  - 25-34: 58.1%
  - 45-54: 58.1%
  - 55 and above: 58.1%
Hawaii 2015 HIV Care Continuum, by Race/Ethnicity

- **Linkage to care ≤1 month**
  - Hispanic: 76.2%
  - Asian: 73.4%
  - White: 73.4%
  - Black: 73.3%
  - Multiple Race: 76.2%

- **Receipt of any care**
  - Hispanic: 76.2%
  - Asian: 73.4%
  - White: 73.3%
  - Black: 73.3%
  - Multiple Race: 76.2%

- **Retention in care**
  - Hispanic: 47.7%
  - Asian: 58.0%
  - White: 58.0%
  - Black: 58.0%
  - Multiple Race: 58.0%

- **Viral suppression**
  - Hispanic: 63.6%
  - Asian: 63.6%
  - White: 63.6%
  - Black: 63.6%
  - Multiple Race: 63.6%
Hawaii 2015 HIV Care Continuum, by Transmission Category

- Linkage to care ≤1 month
- Receipt of any care
- Retention in care
- Viral suppression

- Percentage

**Transmission Category**
- MSM
- IDU, male
- IDU, female
- MSM/IDU
- Heterosexual contact, male
- Heterosexual contact, female
- Other

**Data**
-海南2015年HIV护理连续性，按传播类别划分

- 连接护理≤1个月
- 任何护理的接收
- 持续护理
- 病毒抑制

- 百分比

**数据**
- 连接护理≤1个月
- 任何护理的接收
- 持续护理
- 病毒抑制

**图例**
- MSM
- IDU, male
- IDU, female
- MSM/IDU
- Heterosexual contact, male
- Heterosexual contact, female
- Other

**详细数据**
- 连接护理≤1个月
  - MSM: 80.0%
  - IDU, male: 75.0%
  - IDU, female: 80.0%
  - MSM/IDU: 75.0%
  - Heterosexual contact, male: 60.0%
  - Heterosexual contact, female: 59.5%
  - Other: 80.0%

- 任何护理的接收
  - MSM: 50.5%
  - IDU, male: 60.0%
  - IDU, female: 59.5%
  - MSM/IDU: 59.5%
  - Heterosexual contact, male: 50.5%
  - Heterosexual contact, female: 50.5%
  - Other: 50.5%

- 持续护理
  - MSM: 35.1%
  - IDU, male: 35.1%
  - IDU, female: 35.1%
  - MSM/IDU: 35.1%
  - Heterosexual contact, male: 35.1%
  - Heterosexual contact, female: 35.1%
  - Other: 50.5%

- 病毒抑制
  - MSM: 50.5%
  - IDU, male: 50.5%
  - IDU, female: 50.5%
  - MSM/IDU: 50.5%
  - Heterosexual contact, male: 50.5%
  - Heterosexual contact, female: 50.5%
  - Other: 50.5%
Hawaii 2015 HIV Care Continuum, by County

- **Linkage to care ≤1 month**: Honolulu County 83.3%, Hawaii County 83.3%, Maui County 78.6%, Kauai County 83.3%
- **Receipt of any care**: Honolulu County 78.6%, Hawaii County 78.6%, Maui County 78.6%, Kauai County 78.6%
- **Retention in care**: Honolulu County 47.0%, Hawaii County 68.3%, Maui County 68.3%, Kauai County 68.3%
- **Viral suppression**: Honolulu County 68.3%, Hawaii County 68.3%, Maui County 68.3%, Kauai County 68.3%
SUMMARY OF DISPARITIES - LINKAGE TO CARE

- Statewide linkage to care within 1 month: 86.3%, slightly higher than the national 2020 target 85%
- The following categories had a percentage lower than 85%:
  - Age group: 25-34yrs (72.9%)
  - Race/ethnicity: Asians (76.2%) and Native Hawaiian/Other Pacific Islander (82.4%)
  - Transmission category: Other (e.g., not known or not reported: 75%);
- Small sample size in most categories
SUMMARY OF DISPARITIES
- RECEIPT OF ANY HIV MEDICAL CARE

- Statewide: 79.3%

- The following categories had a percentage lower than the state average:
  - Age group: younger age groups (13-24yrs: 70.2%; 25-34yrs: 70.1%; 35-44yrs: 70.1%)
  - Race/ethnicity: Hispanics (73.4%); AIAN (60.0%); Blacks (73.3%)
  - Transmission category: Other (not known or not reported: 59.5%)
SUMMARY OF DISPARITIES - RETENTION IN CARE

- Statewide: 51.2%, much lower than the national 2020 target 90%
- The following category had a percentage lower than the state average:
  - Age group: younger age groups (13-24yrs: 31.9%; 25-34yrs: 44.7%; 35-44yrs: 42.2%)
  - Race/ethnicity: Hispanics (47.7%); AIAN (40%); Blacks (48.7%);
  - Transmission category: female heterosexual contact (45.9%), Other (not known or not reported: 35.1%)
SUMMARY OF DISPARITIES
- VIRAL SUPPRESSION

- Statewide: 69.4%, 10% lower than the national 2020 target 80%

- The following categories had a percentage lower than the state average:
  - Age group: younger age groups (13-24yrs: 53.2%; 25-34yrs: 56.4%; 35-44yrs: 58.1%)
  - Race/ethnicity: AIAN (60.0%); Black (58.0%); Mixed races (63.6%)
  - Transmission category: Other (not known or not reported: 50.5%, lowest)
LOOKING FORWARD

- Linkage to care ≤1 month: **Doing well**
  - 2015 at 86.3% higher than NHAS 2020 target at 85%

- Viral suppression: **Promising**
  - 2015 at 69.4%, 10% away from 2020 target at 80%

- Retention in care: **A long way to go** but
  - Too strict definition: more people achieving viral suppression than retention

- **Disparities exists** in all indicators, e.g., younger patients, minority groups (Hispanics, AIANs, Black/African American)
  - Timothy McCormick: program implications of the data
  - Hawaii Strategy Meeting
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  · Harm Reduction Services Branch Chief: Peter Whiticar
  · Communicable Disease & PHN Division Chief: Glenn Wasserman, MD

· To our community partners, e.g., health care providers, AIDS service organizations, volunteers, patients, etc.
FOR MORE INFORMATION
“2015 HAWAII HIV/AIDS INTEGRATED EPIDEMIOLOGIC PROFILE”
HTTP://HEALTH.HAWAII.GOV/HARMREDUCTION/HIV-AIDS/DATA-AND-STATISTICS

Questions?