Ending the HIV Epidemic: Cherokee Nation, Oklahoma

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Disclosures

• Jorge Mera has no actual or potential conflict of interest in relation to this program/presentation.
• Whitney Essex has no actual or potential conflict of interest in relation to this program/presentation.
Outline

- Overview of Cherokee Nation Health Services (CNHS)
- HIV statistics in AI/AN, Oklahoma and CNHS
- CNHS EHE Program Plan
- CNHS EHE Interventions/Implementation
- Opportunities
American Indians/Alaskan Natives (AI/ANs):

- 5.2 million AI/AN, 573 federally recognized tribes
- CA and OK the highest rate of AI/AN population

Cherokee Nation Health Services (CNHS)

- Largest Tribal Health System in the USA
- Medically serves 132,000 AI/AN
- One central hospital and 8 outlying health centers
- Unified electronic health record

HIV and AI/AN

New HIV Diagnosis Among American Indian/Alaskan Natives in the US and Dependent Areas by Transmission Categories and Sex, 2017

Indian Health Services 2005-2014

- 2273 newly diagnosed PLWH Reported
- Average annual rate of 15.1/100,000 AI/AN population
- Rate was highest among males ages 20-54

2. CDC.gov.

HIV Diagnosed from 2010-2016

- AI/AN overall increase of 46%
- AI/AN gay and bisexual men increase 81%
HIV in Oklahoma

### HIV Prevalence

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Number of people living with diagnosed HIV, 2016</td>
<td><strong>5926</strong>(^{82.2%}) male / <strong>17.8%</strong> female</td>
</tr>
<tr>
<td>Percent of people living with HIV, by Age, 2016</td>
<td>3.9% aged 13-24</td>
</tr>
<tr>
<td>Rate of people living with HIV per 100,000 people, 2016</td>
<td><strong>184</strong></td>
</tr>
</tbody>
</table>

### PrEP (Pre-Exposure Prophylaxis)

<table>
<thead>
<tr>
<th>Category</th>
<th>Value</th>
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<tbody>
<tr>
<td>Number of PrEP users</td>
<td><strong>748</strong> (^{95.2%}) male / (^{4.8%}) female</td>
</tr>
<tr>
<td>Rate of PrEP users per 100,000 population</td>
<td><strong>23</strong></td>
</tr>
<tr>
<td>PrEP-to-Need (PrN)</td>
<td><strong>2.48</strong></td>
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### HIV Mortality

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<tr>
<th>Category</th>
<th>Value</th>
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<tbody>
<tr>
<td>Number of deaths of people with HIV, 2016</td>
<td><strong>116</strong> (^{82.8%}) male / (^{17.2%}) female</td>
</tr>
<tr>
<td>Rate of deaths of people with HIV per 100,000 population, 2016</td>
<td><strong>4</strong></td>
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www.ok.gov/health/County_Health_Departments accessed January 18, 2020
https://aidsvu.org accessed February 5, 2020

Estimated adults and adolescents diagnosed with HIV, by race/ethnicity, Oklahoma, 2015

- White, **47\%**
- Black, **23.8\%**
- Hisp/Lat, **13.2\%**
- AI/AN, **7.2\%**
- MultiRace, **5.6\%**
- Asian, **2.8\%**

*AI/AN, American Indian/Alaska Native; Black, Black/African American; Hisp/Lat, Hispanic/Latino; MultiRace, Multiple races; NHOP/T, Native Hawaiian/Other Pacific Islander; Unk, Unknown

**NHOP/T: <0.31\%**
HIV Prevention Progress Report 2019

<table>
<thead>
<tr>
<th>Prevent New HIV Infections</th>
<th>Improve Health Outcomes for Persons with HIV</th>
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<tbody>
<tr>
<td><strong>HIV Incidence</strong></td>
<td><strong>Continuum of HIV Care</strong></td>
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<tr>
<td>New Infections (2016)</td>
<td>Continuation to Care (2016)</td>
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<tr>
<td>HIV Diagnosis</td>
<td>Retention in Care (2015)</td>
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<tr>
<td>Testing</td>
<td>Mortality</td>
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<tr>
<td>Knowledge of HIV+ Status</td>
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<td>(2016)</td>
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<table>
<thead>
<tr>
<th>States</th>
<th>Oklahoma</th>
<th>Texas</th>
<th>New York</th>
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<tbody>
<tr>
<td><strong>Met 2020 Target</strong></td>
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<tr>
<td>in most recent data year</td>
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<tr>
<td><strong>Progress:</strong> Moved toward 2020 target in most recent data year</td>
<td></td>
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<tr>
<td><strong>No Progress:</strong> No change or moved away from 2020 target in most recent data year</td>
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<tr>
<td><strong>Cannot Assess:</strong> Lab data not available or single year only</td>
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<tr>
<td><strong>Unstable Estimate</strong></td>
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**CNHS HIV Statistics**

**HIV Screening, Aug 2015 – Jun 2019**

HIV Screening Among Unique Individuals Ages 13-65 who Accessed the CNHS between August 2015 and June 2019

- Not Screened for HIV: 72600 (67.3%)
- Screened for HIV Antibody: 35351 (32.7%)
- Unique Individuals living with HIV: 50

HIV Prevalence: 0.14%

**People Newly Diagnosed with HIV per Year**

- N= 64

Only PLWHA followed at the CNHS Specialty Clinic from 2012 – 2019 Included

CNHS: Cherokee Nation Health Services
CNHS: HIV Cascade of Care
June 2019

*Estimated HIV Positive individuals based on a prevalence of 0.14%. Data obtained from 35,351 unique individuals ages 13-65 who accessed the CNHS between August 2015 and June 2019 and were screened for HIV antibody.
CNHS: Cherokee Nation Health Services
Ending the HIV Epidemic: A Plan for America

**GOAL:**

HHS will work with each community to establish local teams on the ground to tailor and implement strategies to:

- **Diagnose** all people with HIV as early as possible.
- **Treat** the infection rapidly and effectively to achieve sustained viral suppression.
- **Prevent** new HIV transmissions by using proven interventions, including pre-exposure prophylaxis (PrEP) and syringe services programs (SSPs).
- **Respond** quickly to potential HIV outbreaks to get needed prevention and treatment services to people who need them.
DIAGNOSE people living with HIV

**EHR Based Screening**
- HIV screening EHR reminder triggered by:
  - Age / STI / Risky behavior

**Lab Triggered Screening**
- Within Hospital
  - In patients who have signed consent

**Expand Screening Sites**
- Within CNHS:
  - UC/ED, dental clinics, behavioral health, and MAT clinics
- Outside CNHS:
  - Homeless Shelter, High School, Jail, Community events
PREVENT new HIV transmissions

Detect PrEP Candidates
- Public Health Campaign (PrEP Hotline-call/text)
- Outreach to local LGBTQ2S community, high school, university, jail and homeless shelter
- Medical provider education focusing on sexual history
- EHR prompt (STI/UDS/PEP/frequent HIV tests)

PrEP Delivery
- Pharmacists to assist providers in PrEP evaluation, delivery, and monitoring
- ProjectECHO PrEP Exploring apps for adherence: Emocha, Healthvana

U=U
- Treatment as prevention

Decrease Transmission
- IDU
  - Advocate for SSP/continue to Expand MAT
- Condom distribution
Implementation/Interventions

• EHE advisory board implemented 11/2019
• DIAGNOSE
  – Public Campaign Launched 9/2019
  – Screening expansion to UC/ED initiated 11/2019
  – Lab Triggered Screening Initiated 11/2019
  – Age triggered screening EHR reminder ongoing
• PREVENT
  – PrEP
    • 7 Pharmacists trained
    • PrEP ECHO to launch on 2/14/2020*
    • 2 medical provider workshops complete
    • Increased PrEP patients from 12 to 20
  – SSP
    • Bipartisan harm reduction legislation to be presented in February in Oklahoma
    • MAT ongoing

*In collaboration with Northwest Portland Area Indian Health Board (NPAIHB). Beyond the 15 CNHS providers, 27 other IHS/Tribal facilities from 13 different States will be participating
Opportunities Moving Forward

• Addressing Stigma – our primary barrier
  – LGBTQ2S “friendly” clinic
  – Continue to advocate for syringe service programs
  – HIV prevention education in high school and university

• Define yearly goals
  – Precise baseline measurements need to be obtained

• Partnered with Southern Plains Tribal Epidemiologic Center to obtain:
  – Estimate of PrEP candidates in the CNHS
  – Estimate of HIV prevalence in the CNHS
  – Estimate of LGBTQ2S population in the CNHS
Ready Set PrEP!!!