Opioid Use in Tribal Communities

Examining Data to Inform Services
Inter-Tribal Council of Michigan

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Collaboration

- *The Inter-Tribal Council of Michigan, Inc. (ITC)* is a consortium of the 12 federally recognized Indian tribes in Michigan.

- ITC and the participating tribes have a solid 50-year history of collaboration on health and human services initiatives.
  - Access To Recovery project (ATR)
  - State Targeted Response project (STR)
Participatory Partnership

- Successful 20-year history of working together on GPRA and evaluation data collection and use.

- MOUs are in place between ITC and the tribes and ITC and Michigan Public Health Institute (MPHI).

- Data is collected at the local community level, cleaned and entered at ITC and analyzed in partnership with MPHI.

- Only collective data is disseminated by ITC. Individual tribal data is disseminated by the tribe.
Data management and dissemination
Data consultation and partnership

- Foundation based on a partnership
- Data analysis driven by program need and answering relevant questions
- Identify indicators or measures to answer the questions
- Setting up a data analysis matrix to facilitate conversations
  - Helped define the measures
  - Helped define improvement for a measure
  - Helped define the population under examination
  - Helped identify key demographic measures as well
Setting up a Data analysis matrix

**Objective (outcome measure):**
- Example: To calculate the rate of change in experience of NO substance-use related health, behavioral, or social consequence

**Measure or Indicator:**
- Example: % clients who reported to not have negative health/behavior/social consequences of substance abuse in the past 30 days

**Improvement definition/Operational definition:**
- Example: Increase in no health/behavior/social consequences of substance abuse

**Target population:**
- Example: Clients at intake who had a follow-up

**Raw variables/variables available through data collection:**

Example: During the past 30 days, how stressful/reduction in activities/emotional problems have things been for you because of your use of alcohol or other drugs?

**Derived or manipulated variables:**
- Example: 1 derived variable (binary variable with 0 and 1 response)
Example of data analysis matrix

<table>
<thead>
<tr>
<th>Sr. no.</th>
<th>Indicator</th>
<th>Improvement definition</th>
<th>Output measure</th>
<th>Target population: Overall notes and questions - <em>ATR 4 cohort intakes and follow up</em></th>
<th>Raw variables to be used</th>
<th>Results: Non-matched sample</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Gender</td>
<td>• Male/Female/Other (transgender)</td>
<td>• ATR 4 cohort intake clients</td>
<td>Gender</td>
<td>Baseline value (%)</td>
<td>Follow up value (%)</td>
</tr>
<tr>
<td></td>
<td>Age</td>
<td>• Categories used in the variable</td>
<td>• ATR 4 cohort intake clients</td>
<td>AgeGroup</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Race</td>
<td>• Generate one variable with multiracial categories</td>
<td>• ATR 4 cohort intake clients</td>
<td>Derive variable of Race</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ethnicity</td>
<td>• Ethnicity</td>
<td>• ATR 4 cohort intake clients</td>
<td>HispanicLatino</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Experience of no substance use related health, behavioral, or social consequences</td>
<td>• Percentage of clients who reported to not have negative health/behavior/social consequences of substance abuse in the past 30 days</td>
<td>• Increase in no health/behavior/social consequences of substance abuse</td>
<td>• ATR 4 cohort intake clients with follow up data</td>
<td>• ImpactStress ImpactActivity ImpactEmotional</td>
<td>52.2</td>
</tr>
</tbody>
</table>

N=475
D=764
N=526
D=455
Dissemination

- Data analysis matrix helped in making a decision
- Measures/indicators selected based on the reporting requirement as well as performance/results

Infographic factsheet
- What is an infographic?
- How is it useful?
- What does it communicate?
- Example!
American Indian Clients with an Opioid Use Disorder: Descriptive Information
INTER-TRIBAL COUNCIL OF MICHIGAN, INC.

Purpose: To describe differences between clients with an opioid use disorder and clients with other diagnoses at intake.
Target Population: American Indian/Alaskan Natives age 12 and older with a substance use disorder, who are enrolled tribal members, descendants or non-native family members residing in a tribal service area in Michigan.

### CLIENTS SERVED – 3,224
- **18.8%** had an opioid diagnosis
- **81.2%** had a diagnosis of ‘other’

### CLIENTS WITH OPIOID DIAGNOSIS
- **66.1%**
- **28.3%**
- **4.1%**
- **1.5%**

### AGE
- <18
- 18-34
- 35-54
- 55+

### CLIENTS WITH OTHER DIAGNOSIS
- **10.0%**
- **36.8%**
- **36.6%**
- **16.5%**

### GENDER
- Clients with opioid diagnosis: Slightly more were men (55.1%) vs. women (44.7%)
- Clients with other diagnosis: Slightly more were women (50.0%) vs. men (49.9%)

### RACE
- Clients with opioid diagnosis: Majority were AI/AN (90.6%)
- Clients with other diagnosis: Majority were AI/AN (87.3%)

### EMPLOYMENT
- **34.4%** of clients with opioid diagnosis were employed or attending school
- **50.3%** of clients with other diagnosis were employed or attending school
Data Informs Practice

CLIENTS WITH AN OUD

- Are more likely to be women
- Use opioids in a household with children
- Have high rates of trauma, anxiety and depression
- Are younger than people with other diagnosis

STRATEGIC RESPONSE

- Developed a comprehensive maternal/infant OUD coordination services at 2 tribal sites.
- Integration of Trauma Informed Care
- MAT is never a stand alone service
- Targeting outreach to young adults
Contact Information

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