California Hub and Spoke System Evaluation

Darren Urada, Ph.D. and Howard Padwa, Ph.D.
UCLA Integrated Substance Abuse Programs

August 23, 2016
Substance Use Disorders Statewide Conference
Pomona, CA
Building a plane while flying
Reasons for Evaluation

“. . . while I am releasing the funding for the first year immediately, my intention for the second year is to develop funding allocations and policies that are the most clinically sound, effective and efficient . . . to identify best practices, lessons learned, and key strategies that produce measurable results.”

Tom Price
US Health and Human Services Secretary
April 19 2017
Reasons for Evaluation

“. . . while I am releasing the funding for the first year immediately, my intention for the second year is to develop funding allocations and policies that are the most clinically sound, effective and efficient . . . to identify best practices, lessons learned, and key strategies that produce measurable results.”

Tom Price
US Health and Human Services Secretary
April 19 2017
Evaluation Goals

• Document
  • Best practices
  • Lessons learned
  • Measurable results.

• Provide feedback for Learning Collaborative / Training.
Data Sources

Where data already exists, *use it.*

- California Opioid Dashboard (CDPH, OSHPD, DOJ)
  - Additional analyses on underlying data where necessary
- CalOMS-Tx
- Drug Medi-Cal, Medi-Cal Managed Care, Pharmacy Claims
- New data collection
  - Interviews
  - Provider Surveys
  - Patient Surveys/Interviews
Opioid Prescriptions by Patient Location, 2016
Age-adjusted Rate per 1,000 Residents
Excludes Buprenorphine

Data Source: CURES 2.0, mapped by the California Opioid Overdose Surveillance Dashboard
Opioid Overdose Deaths, 2016
Age-Adjusted Rate per 100,000 Residents

Data source: CDPH Vital Statistics Multiple Cause of Death Files via the California Opioid Overdose Surveillance Dashboard
Counties with Licensed Narcotic Treatment Programs
April 2016

28 Counties Without NTP Services
30 Counties With NTP Services
Buprenorphine Prescriptions per 1,000 Residents

To be fair, there is SOME Buprenorphine in some of these counties, but maybe not enough.

Top 3 counties, per 1k residents:
• ~75 bup prescriptions
• over 1,000 opiate prescriptions (besides bup)
Evaluation Measures
Reach

• Number of patients who receive OUD treatment
• Number of patients who receive bup, methadone, naltrexone
• Number of patients who receive OUD recovery services
• Access to MAT services in counties with the highest OD rates
• Access to integrated MAT services in urban areas
• Access to NTP and/or medication units in underserved areas
• MAT access for tribes
Effectiveness

- Number of patients on MAT for six months or more (engagement measure)
- Number of patients on MAT for two years or more (retention measure)
- Numbers and rates of opioid use
- Numbers and rates of opioid-overdose related deaths
- Opioid-related ED visits and hospitalizations
- Patient perceptions
Adoption, Implementation, Maintenance

- **Adoption**
  - Number of providers delivering MAT
  - Number of OUD prevention and treatment providers
  - Number of buprenorphine waivered physicians/NPs
  - Number of opioid users treated per waivered physician/NP
  - Availability of buprenorphine counseling for patients
  - Support services for primary care prescribers

- **Implementation**
  - Types of models and systems that develop
  - Barriers and facilitators

- **Maintenance over time**
  - Potential analyses of costs. Still in development.
Number of DATA Certified Physicians in California Eligible to Provide Buprenorphine Treatment for Opioid Dependency 2002-2017

Certified Physicians with 30 Patients

Certified Physicians with 100 Patients

Data source: SAMHSA
What else can we look at to keep up with rapidly emerging trends?
Keeping up with technology...

**Buy Online Methoxycetyl-fentanyl Powder @ $75-$7,5 per gram**
[https://chinglabs.com/funaryl-fentanyl-crystal-f/](https://chinglabs.com/funaryl-fentanyl-crystal-f/)
Buy Methoxycetyl-fentanyl powder, delivery to USA, EU, AU. High purity research chemicals from manufacturer in China. Fast delivery-reship, $75-$7,5.

**buy fentanyl powder online – OMEGA X RESEARCH CHEM**
[omegaxresearchchem.com › PAIN RELIEF › buy fentanyl powder online](https://omegaxresearchchem.com/pain-relief/buy-fentanyl-powder-online)
In stock
Fentanyl powder: Fentanyl treats severe, ongoing pain that cannot be controlled with other medicines. This medicine is a narcotic pain reliever. Buy Fentanyl ...

**Where To Buy Fentanyl Online**
[roaconsulting.co.kr/data/blog/fentanyl.php](https://roaconsulting.co.kr/data/blog/fentanyl.php)
Get cheap Fentanyl without prescription uk in Sheffield. ... Where can i buy Fentanyl order without a prescription from San Francisco. ... Where can i buy Fentanyl cheap generic and brand pills from Newark.

**Fentanyl Powder, Buy Fentanyl Patch, Buy Fentanyl Pills, Buy Fentanyl**
[firsttrustchemicals.com › research chemical › Fentanyl Powder](https://firsttrustchemicals.com/research-chemical/fentanyl-powder)
Fentanyl Powder, Buy Fentanyl Powder, Patches, Liquid, Pills. all available, Order now online with us for best offer and prices.

**Buy Fentanyl No Prescription Exclusive Product**
[breathingheadproducts.com › us contact › breathingheadproducts › buy cheap fentanyl php](https://breathingheadproducts.com/us-contact/breathingheadproducts/buy-cheap-fentanyl-php)
### Fentanyl search locations, last 12 months
(8/23/2016-8/23/2016)
(can drill down to last hour)

<table>
<thead>
<tr>
<th>Rank</th>
<th>Location</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Eureka CA</td>
<td>100</td>
</tr>
<tr>
<td>2</td>
<td>Chico-Redding CA</td>
<td>88</td>
</tr>
<tr>
<td>3</td>
<td>Palm Springs CA</td>
<td>79</td>
</tr>
<tr>
<td>4</td>
<td>Bakersfield CA</td>
<td>76</td>
</tr>
<tr>
<td>5</td>
<td>Santa Barbara-Santa Maria-San Luis Obispo CA</td>
<td>74</td>
</tr>
</tbody>
</table>

< 1-5 of 14 metros >
Carfentanil search locations, last 12 months
(8/23/2016-8/23/2016)
(can drill down to last hour)

1. San Francisco-Oakland-San Jose CA 100
2. Sacramento-Stockton-Modesto CA 96
3. San Diego CA 95
4. Los Angeles CA 73
5. Fresno-Visalia CA 53
The world is moving fast, we need to keep up!
Questions? Comments?

Darren Urada, Ph.D.

durada@mednet.ucla.edu