

**NIH
HEAL
INITIATIVE**

**Preventing Opioid Use
Disorder in Older Adolescents
and Young Adults**

April 12, 2022

Data Harmonization of HEAL Prevention Outcomes Studies

**Ty Ridenour, HEAL Prevention Coordinating Center
RTI International**

Grant 1U24DA050182: RTI HEAL Initiative Coordinating Center, MPIs: Phillip
Graham & Ty Ridenour



HEAL Prevention Initiative

19

**Administrative
Supplements**

2

Pilot Studies

**Cooperative Agreement to Produce EBIs
for Immediate Implementation**

10

Research Projects

**Coordinating
Center**

HEAL Prevention Initiative

19

Administrative
Supplements

2

Pilot Studies

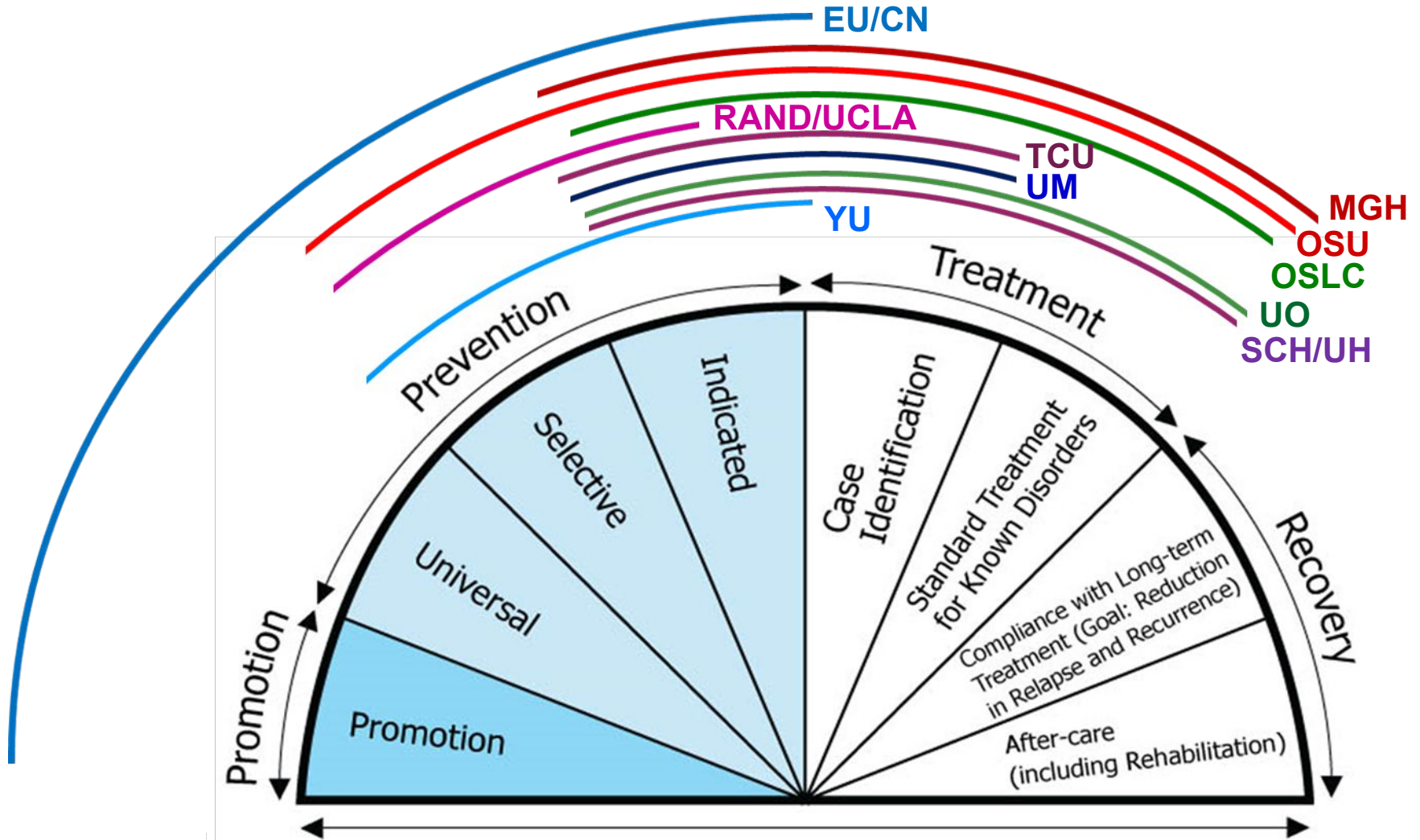
Cooperative Agreement to Produce EBIs
for Immediate Implementation

10

Research Projects

Coordinating
Center

Coordinated Continuum



Substance Abuse and Mental Health Services Administration, 2014. Retrieved from <http://www.samhsa.gov/prevention>

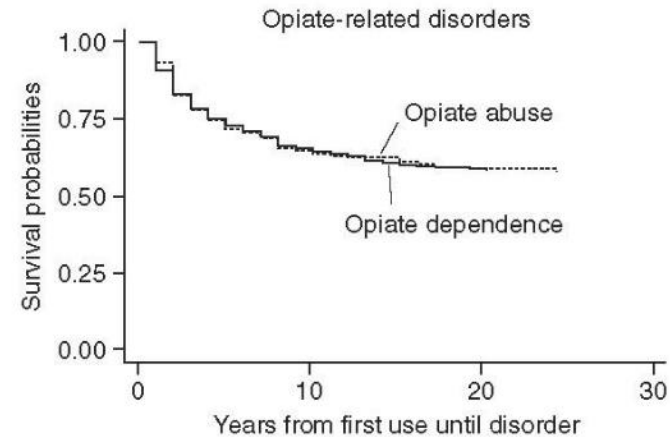
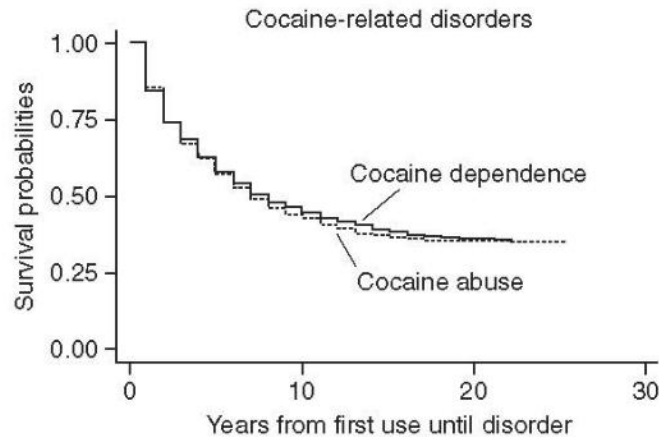
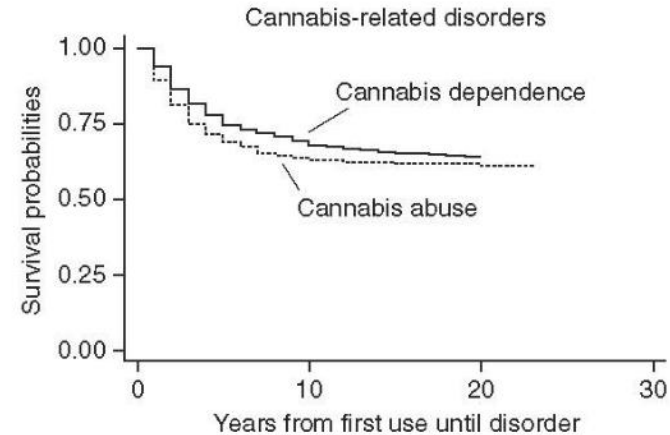
Methods Being Used to Harmonize Data

- + **Goal: facilitate Integrative Data Analysis**
- + **Prospective standardizing of measures**
- + **Logical harmonization of items**
- + **Statistical harmonization: moderated non-linear factor analysis**

“Anchor” Items: Involvement with Rx Opioids

- ILO1. Initiation: During your life, how many times have you misused a prescription opioid without a doctor's prescription or differently than how a doctor or medical provider told you to use it? ^A
Response options: 0 times, 1-2 times, 3-9 times, 10-19 times, 20-39 times, 40-99, 100 or more
- ILO2. Initiation: How old were you the first time that you misused a prescription opioid?
Response options: 9 or younger, 10 years old, 11 years old, and so on.
- ILO3. Regular Use: Have you ever misused a prescription opioid at least once a month for 3 months in a row?
Response options: Yes, No
- ILO4. Regular Use: How old were you the first time you misused a prescription opioid at least once a month for 3 months in a row?
Response options: list ages, starting with 9 or younger, 10 years old, 11 years old, and so on.
- ILO5. Escalation: During the past 30 days, how many days did you misuse a prescription opioid?
Response options: 0-30 days (or # days of abstinence)
- ILO6. Problems: During the past three months, have you ever missed school, work, or other obligations because of misusing a prescription opioid? *Response options*: Yes, No
- ILO7. Problems: During the past three months, have your relationships with friends, partners, or family ever been affected negatively because of misusing a prescription opioid? *Response options*: Yes, No

Example IDA Opportunity



Ridenour et al., 2003

$$\text{addictive liability}_{i0} = [(\text{Age}_2 - \text{Age}_1) * (1 - p_{\text{event}})]$$

Ridenour et al., 2006

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**Ty Ridenour: TRidenour@rti.org
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