HEAL Study-level Core Metadata
Metadata to Drive HEAL Initiative
Purpose & Audience
HEAL Initiative Purpose..

- Pre-Clinical
- Clinical
- Implementation
- Industry
- Opioids
- HEAL
- Pain
- Epidemiology
- Policy
- Community
- Institutions
HEAL Initiative Purpose..is translational

Finding **solutions** to the **human conditions** of:

- **Opioids**
- **Pain**
HEAL Initiative Audience is inclusive

- HEAL & Non-HEAL Researchers
- Clinicians
- Patients
- Persons/communities directly or indirectly affected
- External Stakeholders (Pharma/Industry, Journalist, Advocate, Politician/Policy Maker, Public Health Official, CBO Leader, etc.)
(HEAL Initiative) Metadata is…

HEAL Initiative Audience

HEAL Initiative Purpose
Metadata to Drive HEAL Initiative Purpose & Audience: Summary Categories
Metadata – Categories

- (Meta)Data Location
- Citation
- Contact
- Study Type
- Data Availability
- Data
- Minimal Info
- Study Translational Focus
- Human Treatment Applicability
- Human Condition Applicability
- Human Subject Applicability
- Findings
Metadata – Categories

- (Meta)Data Location
- Citation
- Contact
- Study Type
- Data Availability
- Data
- Minimal Info
- Study Translational Focus
- Human Treatment Applicability
- Human Condition Applicability
- Human Subject Applicability
- Findings
HEAL Platform Interface Filters on HEAL Metadata for Discovery

User

HEAL

Focus
Condition Category
Condition Study Stage
Tx Type
Tx Novelty
Age Apply
Gender Apply

Tx study stage
- target discovery
- target mechanism
- treatment discovery
- treatment mechanism
- treatment efficacy
- differential treatment efficacy
- treatment implementation
- treatment availability or accessibility

613 STUDIES
Metadata about HEAL Studies

1. **Focus:** Treatment  
   **Condition Category:** Pain  
   **Condition Study Stage:** N/A  
   **Tx Study Stage:** Treatment mechanism  
   **Tx Type:** Drug, Opioid Drug  
   **Tx Novelty:** Established  
   **Age Apply:** Adult  
   **Gender Apply:** Female, Male, Other  
   **Data Release Date:** 2/2022

2. **Focus:** Treatment  
   **Condition Category:** Pain  
   **Condition Study Stage:** N/A  
   **Tx Study Stage:** Treatment discovery  
   **Tx Type:** Drug, Non-opioid Drug  
   **Tx Novelty:** Novel  
   **Age Apply:** Adult  
   **Gender Apply:** Female, Male, Other  
   **Data Release Date:** 3/2023

3. **Focus:** Treatment  
   **Condition Category:** Pain  
   **Condition Study Stage:** N/A  
   **Tx Study Stage:** Treatment efficacy  
   **Tx Type:** Behavioral, Psychotherapy  
   **Tx Novelty:** Novel  
   **Age Apply:** Adult, Adolescent  
   **Gender Apply:** Female  
   **Data Release Date:** 1/2023

4. **Focus:** Condition  
   **Condition Category:** Opioid exposure  
   **Condition Study Stage:** Condition impact  
   **Tx Study Stage:** N/A  
   **Tx Type:** N/A  
   **Tx Novelty:** N/A  
   **Age Apply:** Neonate  
   **Gender Apply:** Female, Male, Other  
   **Data Release Date:** 4/2025
<table>
<thead>
<tr>
<th>Study Number</th>
<th>Focus: Treatment</th>
<th>Condition Category</th>
<th>Condition Study Stage</th>
<th>Tx Study Stage</th>
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<td>1</td>
<td>Treatment</td>
<td>Pain</td>
<td>N/A</td>
<td>Treatment mechanism</td>
<td>Drug, Opioid Drug</td>
<td>Established</td>
<td>Adult</td>
<td>Female, Male, Other</td>
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<tr>
<td>2</td>
<td>Treatment</td>
<td>Pain</td>
<td>N/A</td>
<td>Treatment discovery</td>
<td>Drug, Non-opioid Drug</td>
<td>Novel</td>
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A Selection of Other Use Cases

- I'm a pain researcher trying to collate all the evidence available on efficacy and differential risk of addiction related to treatment of chronic pain with opioids for a meta-analysis.

- I'm a pharma company scientist developing non-opioid drug alternatives to treat pain – attempts to drug one target failed due to toxicity; I want to understand more about the original biomolecule target mechanism to identify other druggable targets in the pathway.

- I'm a pre-K/K school teacher and I know that the community around my school has high rates of OUD - I wonder if some of the behavioral issues my students have can be attributed to affects of in utero exposure to opioids and if so, how I can recognize these exposure impacts and potentially provide support and intervention to my students and their parents.

- I'm a clinician treating OUD patients and I notice that there's a high rate of relapse among my patients - I want to see if there's any research on risk factors for and treatment of relapse of OUD.

- I'm a public health official with some money to address opioid use in my community - I specifically want to look for at an intervention that is established so that politicians allocating the money can clearly say the money is going towards an evidence-based intervention.
Keeping the metadata benefit high & your cost low
HEAL Platform maximizes value from existing metadata sources

- NIH RePORTER
- ClinicalTrials.gov
- Home Repository
HEAL Platform minimizes additional work by investigators

HEAL Investigator or Proxy

- NIH HEAL Application ID #123
- ClinicalTrials.gov Identifier NCT12345678
- Repository: ICPSR Repository Study ID: 12345
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- Repository: ICPSR Repository Study ID: 12345
- HEAL Form ID: 12-3-45

**Metadata Provided by Existing Sources**
- Study Title, Study Description, Investigator Name, Investigator Affiliation, ...

**Supplemental Metadata Needed**
- Treatment Level, Treatment Mode, Treatment Type, ...

Metadata audit of metadata provided via existing sources AND supplemental metadata needed: HEAL Platform minimizes additional work by investigators.
Takeaways

● (Study-level) Metadata
  ○ Data which provides information about/description of HEAL studies
  ○ Purpose and Audience matter
  ○ This is HEAL Study Level Core Metadata, Beta v1.0.0 – we welcome and will provide venues for feedback

● Everyone benefits – Broad HEAL Community, including HEAL investigators

● We will provide support!
  ○ While this can be additional / challenging work, the NIH HEAL Program Office, HEAL Stewards and Platform Teams are working to minimize the work while maximizing the value – sample metadata entry forms, support in completing form, and feedback venues coming soon!