

NIH HEAL INITIATIVE

Empowering Discovery and Collaboration: the **HEAL Data Ecosystem**

May 17, 2021

Presented by The HEAL Data Stewardship Group



NIH HEAL Initiative and Helping to End Addiction Long-term are service marks of the U.S. Department of Health and Human Services.

Our mission is to work with the HEAL ecosystem to develop processes and solutions for data harmonization, metadata collection, and sharing within a federated data ecosystem.



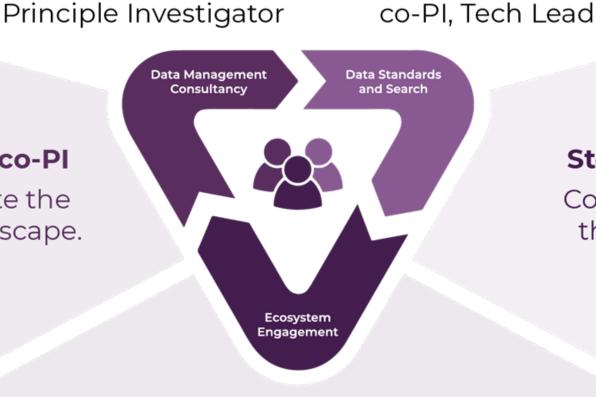
HEAL Data Stewardship Group

Kira Bradford,

Stan Ahalt,

Rebecca Boyles, co-PI

Helping to navigate the complex data landscape.



Steve Cox, co-PI

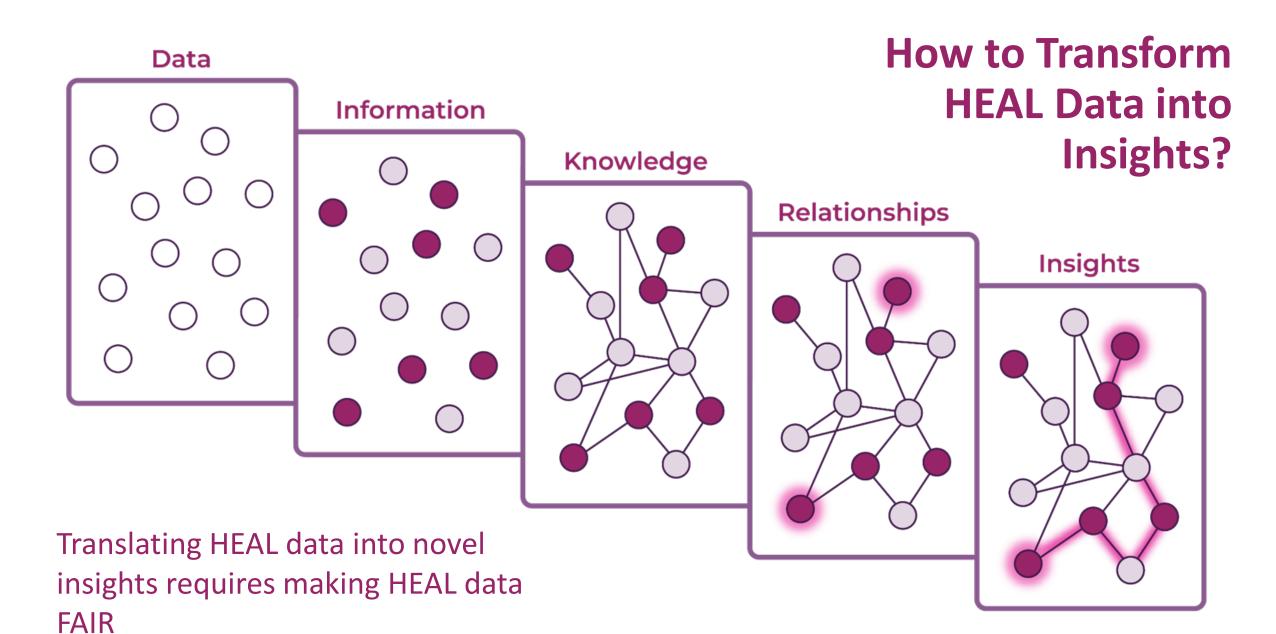
Connecting with the ecosystem.

Asia Mieczkowska, co-PI

Facilitating coordination, assisting in communications, and incorporating ideas and feedback.

How can we help?





What datasets will allow me to validate a novel drug target in multiple species? How do socioeconomic factors influence opioid use disorder among subjects in urban vs rural regions?

What downstream biological targets are associated with chronic pain among study subjects? What genes and biological pathways are associated with opioidinduced hyperalgesia?

Research Process Without HEAL Ecosystem Resources



combining datasets

How to Make HEAL Data Findable?

Use FAIR principles to ensure HEAL data is accessible and useful in the future.

Findable

- Data discoverable in public respository
- Unique, persistent identifiers for data sets

Accessible

- Managed consent and risk
- Controlled access

Interoperable

Harmonized data within identified respository

Uses standard vocabularies & ontologies

- Reuseable
- Defined use
- Metadata richly describes data

How to Make HEAL Data Findable?

- HEAL data can be FAIR regardless of where the research is in the data life cycle
- By making data FAIR, the data is more easily findable on the HEAL platform
- Researcher incentives: FAIR data as a publishable element





View our poster on the State of FAIR for more information about making your data FAIR.

Research Process Without HEAL Ecosystem Resources

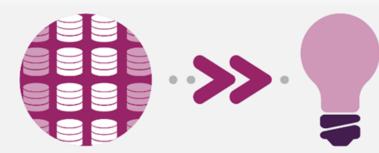


combining datasets

Research Process with HEAL Ecosystem Resources



Using the HEAL ecosystem resources, researchers accelerate discoveries



Getting to Know You and Your Data



For more information on how to make your data FAIR, visit the HEAL Stewards' poster "The State of FAIR." **Data Asset Inventory**

Goal: Deep dive into data processes

Method: Inventory and interviews Datasets and metadata enable discovery, reuse, and citation of datasets.

Anticipated start: Coming Soon!

For more information on how the HEAL Stewards will help translation across data types, visit the HEAL Steward's poster "Diversity of HEAL Data Types."



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