Transforming Existing Clinical and Research Data Sets to Standardized Terminology for Research

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Greetings from San Francisco

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Large Research Data Sets

- Potentials to utilize existing large data sets to inform important clinical/research questions in new ways

- Informatics focus
- Expand scholarship/expertise
More Value with Standardization

- Comparability of standardized concepts
  - Hearing, Substance use, Circulation
    - Knowledge
    - Behavior
    - Status
Two Exemplars

- **Hearing health**
  - SIREN (Safety Instruction to Reduce Exposure of Noise and hearing loss) with career firefighters

- **Diabetes**
  - SALSA (Sacramento Area Latino Study on Aging) with older Mexican Americans
Dissemination Pattern

- Communicate best practices
  - Standardized care plans
  - Standardized outcomes; create opportunities for data exchange across settings

- Disseminate findings
  - Quantitative results
  - New perspectives
  - Rapid publication and presentation acceptance
Low cost, high reward

- Transformation of existing data
  - Cost effective
  - New perspective
  - Rapid turn around
Leadership

- Standardized ontology bridges worlds
  - Research
  - Practice
  - Education

- Standardized ontology bridges content silos
  - Comprehensive, holistic view of health

- Leaders are needed to build these bridges
Acknowledgement

**SIREN Project**

**SALSA Project**
- Funded by National Institute of Aging (AG12975, PI: Haan), National Institute for Diabetes, Digestive and Kidney Diseases (DK60753, PI: Haan)