

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



University of California
San Francisco

advancing health worldwide™

UNIVERSITY OF MINNESOTA
SCHOOL OF
NURSING

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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**

- **Funded by Department of Homeland Security
Federal Emergency Management
Administration (EMW-2007-FP-00785, PI: Hong)**

– **SALSA Project**

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