A decade of hints

Quantifying the Health Information Revolution through Data Innovation and Collaboration

January 9-10, 2014 | Rockville, MD
NCI Shady Grove, 9609 Medical Center Drive

Integrative Data Analysis Workshop

Richard P. Moser, PhD
Behavioral Research Program
Science of Research and Technology Branch
National Cancer Institute

January 9, 2014

Presenters

- David Cantor, PhD (Westat)
- Rick for Sana Vieux, MPH (OD, National Cancer Institute)
- Benmei Liu, PhD (SRP, National Cancer Institute)
- Mandi Yu, PhD (SRP, National Cancer Institute)

Agenda

- 9:00-9:15 Workshop Overview (Rick)
- 9:15-9:50 Bridging Across Multiple Iterations of HINTS Data (David)
- 9:50-10:40 Merging Multiple Iterations of HINTS (Rick/Sana)

- 10:40-10:55 BREAK

- 10:55-11:35 Creating Model-Based State Level Estimates for Cancer-Related Knowledge Variables Using HINTS Data (Benmei)
- 11:35-12:15 Using Imputation to Augment Multiple Iterations of HINTS Data (Mandi)
- 12:15-12:30 Closing Remarks/Q & A (Rick/Everyone)

Integrative Data Analysis

- Statistical analysis of a single dataset that consists of two or more separate samples
- Different than meta-analysis
- Cost effective

"Without question, psychology as a field must in some way or another be motivated by a sincere idealistic quest to systematically build a **cumulative base of knowledge** upon which the science of psychology can progress."

Patrick J. Curran
University of North Carolina

NIH Big Data to Knowledge (BD2K)

BD2K: Four Programmatic Areas

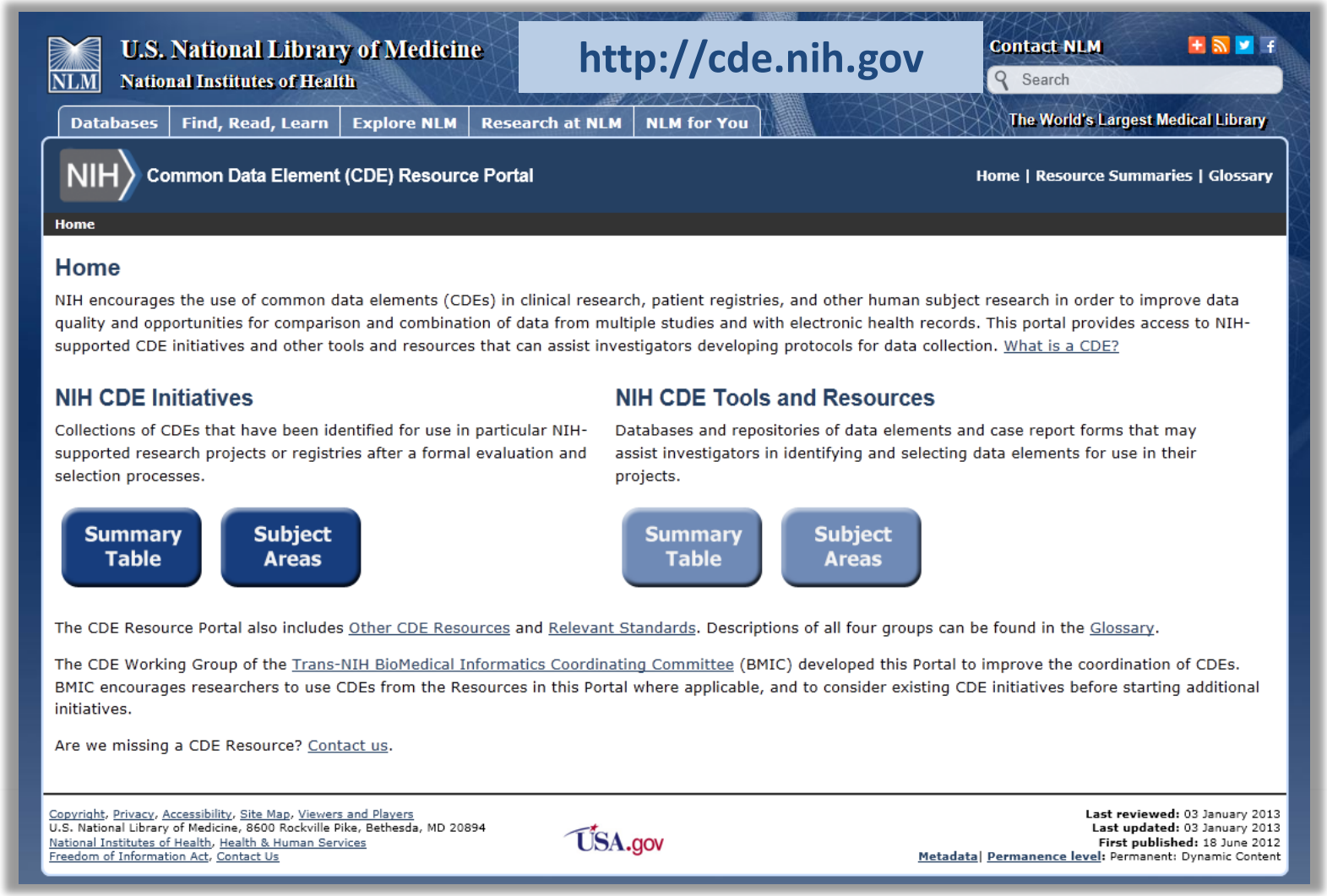
I. Facilitating Broad Use of Biomedical Big Data

II. Developing and Disseminating Analysis Methods and Software for Biomedical Big Data

III. Enhancing Training for Biomedical Big Data

IV. Establishing Centers of Excellence for Biomedical Big Data

Common Data Elements (CDE) Portal



The Federal Perspective: Funding Mechanisms

Before you Submit For a Grant….

- NIH Guide listserv:
  - http://grants1.nih.gov/grants/guide/listserv.htm
  - Search for current FOAs; grants process overview…
- RePORTER (Research Portfolio Online Reporting Tools; successor to CRISP):
  - http://projectreporter.nih.gov/reporter.cfm
  - Reports, data, and analyses of NIH research
- **Talk with program staff**

General Information:

Statfund (List of stats-related NCI funding announcements):
http://www.statfund.cancer.gov/funding/opportunities.html

Training/career kiosks (info about NIH career development awards):
http://grants.nih.gov/training/careerdevelopmentawards.htm
http://grants.nih.gov/training/f_files_nrsa.htm

Specific Grant Mechanisms

NIH parent announcements for R03, R21:
http://grants.nih.gov/grants/guide/pa-files/PA-13-304.html
http://grants.nih.gov/grants/guide/pa-files/PA-13-303.html

NCI omnibus announcements for R03, R21:
http://grants.nih.gov/grants/guide/pa-files/PAR-14-007.html
http://grants.nih.gov/grants/guide/pa-files/PAR-13-146.html

Methodology, Measurement, and Statistics (NSF)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5421&org=SES

Important Websites

- Electronic Submission of Grant Applications-FAQs
- http://grants.nih.gov/grants/electronicreceipt/faq_full.htm

- Funding Opportunities and Notices
- http://grants.nih.gov/grants/guide/index.html

- Parent Announcements (For Unsolicited or Investigator-Initiated Applications)
- http://grants.nih.gov/grants/guide/parent_announcements.htm

- Standard Due Dates for Competing Applications
- http://grants.nih.gov/grants/funding/submissionschedule.htm