The NIH Biomedical Translational Research Information System (BTRIS)
Town Hall Meeting - Information Session
February 26, 2008
Lipsett Auditorium

The Reuse of Biomedical Data

• Secondary uses of clinical data for:
  – Patient care
  – Research
  – Administrative processes

• Use of patient data for research
• Use of research data for patient care (“translational research”)

• Data may require transformation:
  – De-identification and Re-identification
  – Indexing
  – Aggregation by time
  – Abstraction by classification
  – Conversion to relevant concepts

Brief Bio

• Internal medicine residency (St. Vincent’s, NY)
• Medical informatics fellowship (Harvard/MGH)
• 20 years at Columbia
  – Informatics research
  – Building clinical systems
  – Teaching informatics and medicine
  – Clinical practice
• Clinical data repository and warehouse
  – 25+ data sources
  – 2,000,000 patients
What is BTRIS?
- Formerly “CRIS-II”
- Not “Son of CRIS”
- Not just clinical
- Includes focus on translational research
- Hence:

Queries from Requirements-Gathering
Access Control Issues
- Ownership of data
- Authorization for re-use
- Confidentiality and re-Identification of data

The PI User Group
- Volunteers from NIH community
- Most likely to benefit from BTRIS
- Help set requirements and priorities
- Commitment to participate
  - Weekly meetings
  - Review materials, screen shots, demos
- Beta testers – first access to demonstration

BTRIS Demonstration Environment
BTRIS Demonstration Environment
BTRIS Demonstration Environment
Demonstration Project

• Sources:
  – Current laboratory data
  – Old laboratory data (CDW/CDR or MIS)
  – Pharmacy orders (CRIS-I or MIS)
• Terminology Services
  – Code look-up
  – Simple class-based queries
• Data services
  – Data aggregation across sources
  – Data summarization by concept class
  – Patient identification for possible recruitment
  – …as per PI User Group

Timeline for Initial Rollouts
• Demonstration Project: July 2008
• BTRIS: July 2009

BTRIS Will:
• Be the preferred system to analyze NIH clinical and non-clinical data
• Aggregate and standardize disparate and isolated data sets
• Automate and streamline processes that are traditionally manual and cumbersome
• Prioritize data sources and functionality based on needs of user community

Additional Information
www.btris.nih.gov

Questions about BTRIS
or to join the PI User Group:
ciminoj@mail.nih.gov