

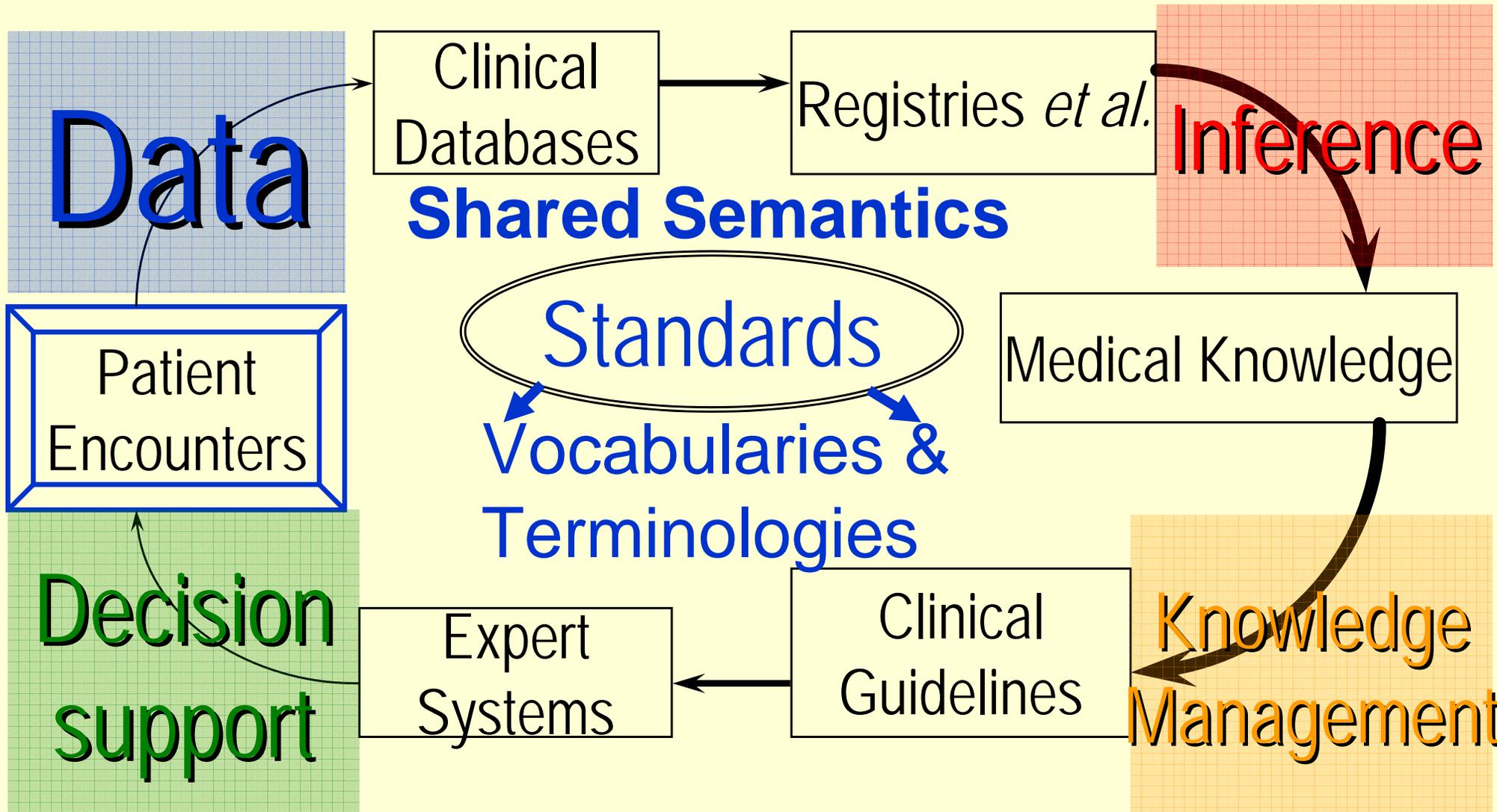
Comments on Building on Data in dbGaP Data Standards and Standard Data

CG Chute MD DrPH

Frontiers in Population Genomics Research Meeting

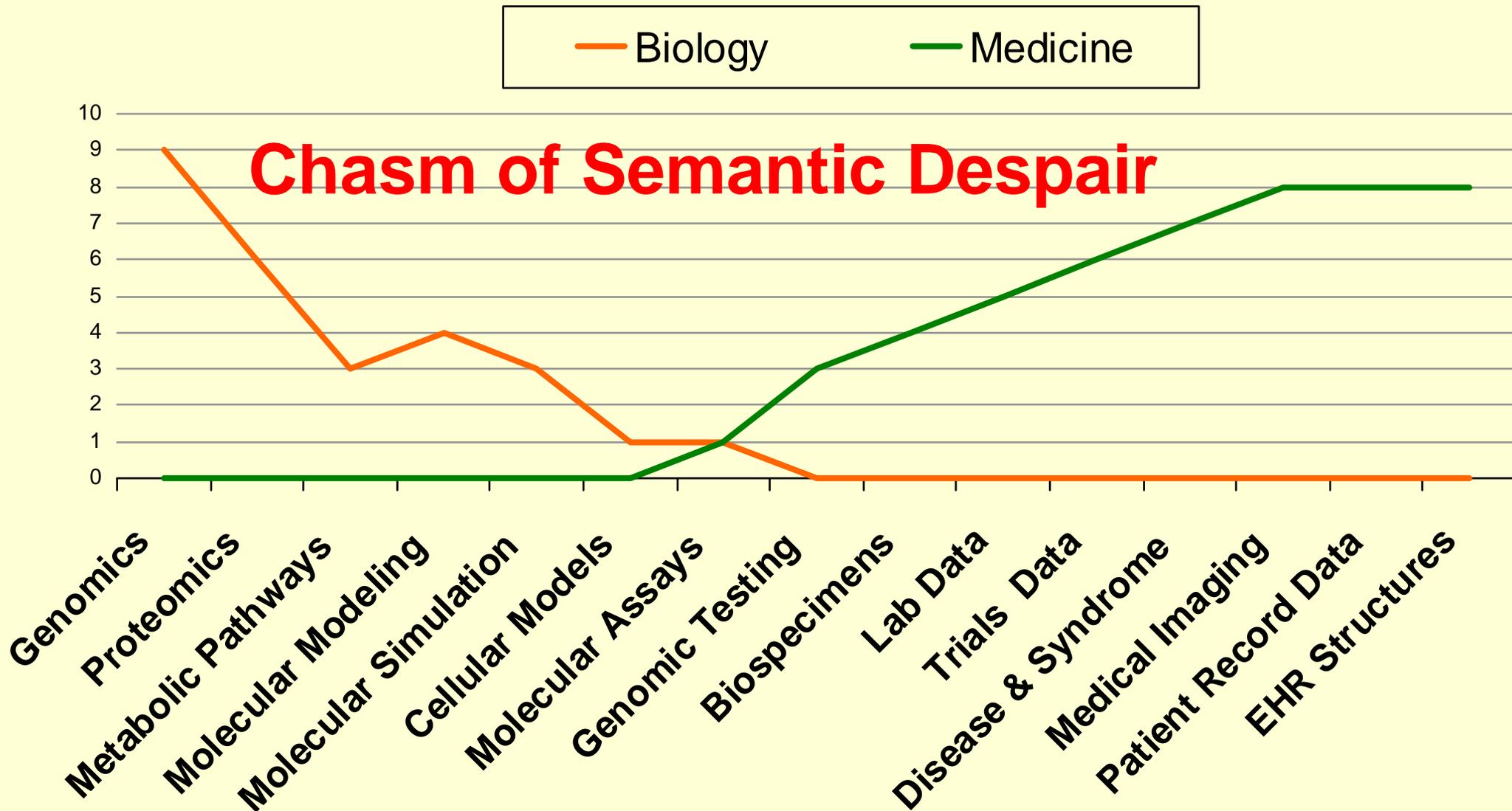
December 18, 2007

From Practice-based Evidence to Evidence-based Practice



The Continuum Of Biomedical Informatics

Bioinformatics meets Medical Informatics



Content vs. Structure Yet Another Chasm

Family History of Breast Cancer
Family History of Heart Disease
Family History of Stroke

Terminologic
Model

Family History

Breast Cancer
Heart Disease
Stroke

Information
Model

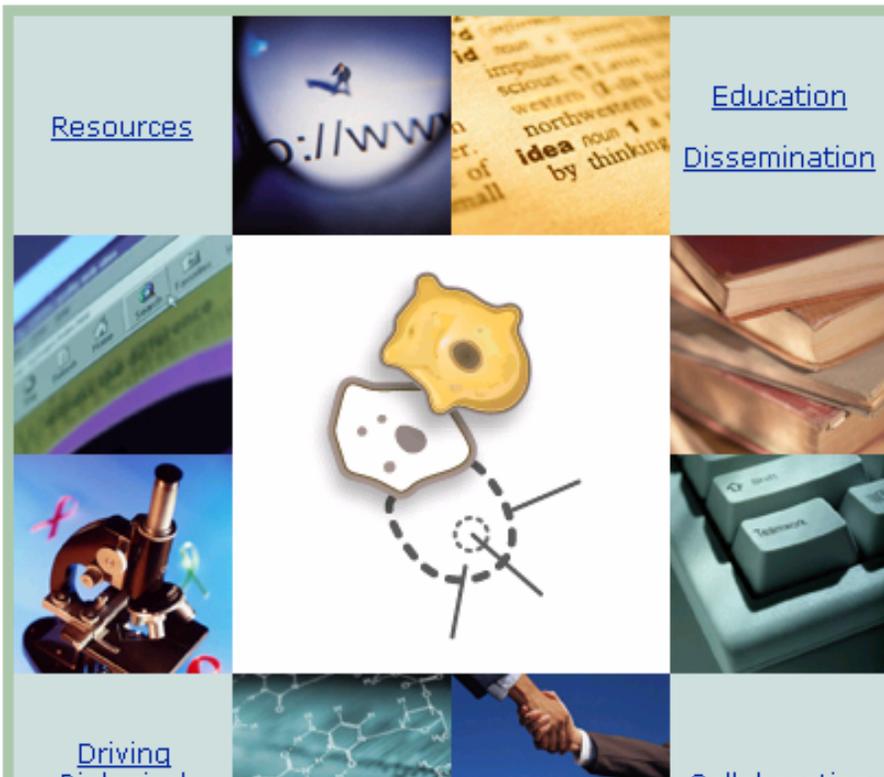
Equivalent
Content

[adapted from Rossi-Mori]

NCBO – A Bridge Across the Chasm



**Advancing biology and medicine with tools and methodologies
for the structured organization of knowledge.**



Search

Google Search

Search bioontology.org Search the web

Quick Links

- [Center Tools](#)
- [Working With The Center](#)

Current News

New OBO ontology released on [fugo.sf.net](#).

Recent Publications

[National Center for Biomedical Ontology: Advancing Biomedicine through Structured Organization of Scientific Knowledge](#)
OMICS: A Journal of Integrative Biology Jun 2006, Vol. 10, No. 2

It's the Phenotype (observations)... as standard, comparable representations

- Define information routinely collected
- Emphasize computable content rather than relying on textual procedure definitions
- **NHGRI** role in re-kindling the Roadmap initiative for broadly-based phenotype characterization
 - Align clinical, CTSA, caBIG, population genomics...
 - Coordinate SNOMED, ICD, HITSP, **NCBO**, HL7,...
- Coordinated aggregation rules/logics [ICD-11]
- Promote "research" as an AHIC use-case