

# **EMR and Clinical Phenotyping: Challenges and New Opportunities**

Future Directions for the eMERGE Network

Bethesda, MD

22 January 2014

# Presenter Questions: eMERGE 3

- What types of phenotypes to explore?
- How to make the process faster/better?
- How to improve accuracy and reproducibility?
- How can we best leverage the unique nature of the EMR?

# Presenter Questions: eMERGE 3

- What types of phenotypes to explore?
  - *common, rare, pharmacogenomic, subtypes*
- How to make the process faster/better?
  - *new methods, standards, federated search*
- How to improve accuracy and reproducibility?
  - *standards, extensible methods*
- How can we best leverage the unique nature of the EMR?
  - *phenomic approaches, longitudinal phenotypes*

# Responder Questions

- What will it take to scale?
- “Lego” components/modules (CEMs?)
- Decision Support and the curly braces {} problem

# Moderator Questions

- What degree of clinical data normalization is needed?
  - Will Meaningful Use standards help?
- Clinical Data as a primary resource
  - Discoverability, Access, Citation