EMR and Clinical Phenotyping: Challenges and New Opportunities

Future Directions for the eMERGE Network
Bethesda, MD
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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?
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• 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