

Putting the Pieces Together: Precision Medicine Discovery from Electronic Health Records

Electronic Phenotyping

- 1. What do you know about this phenotype? Can you think of age, sex, medication status, other diseases or past surgeries, or other contributors that need to be considered when determining who not to include in your study?**
- 2. Can you use billing (International Classification of Diseases) codes? If so, what strategy would you use? What are the potential challenges?**
- 3. Are there any relevant procedure codes (Current Procedure Terminology or CPT)? What additional information do procedure codes provide compared with billing codes?**
- 4. What about vital signs and problem lists? How would you use them? What are the potential challenges?**
- 5. Any labs or medications important for your phenotype? How would you use them? What are the potential challenges?**
- 6. What about free text entered into the clinical record by the medical staff? What strategies could you use and what are the potential challenges?**