



# PCORnet Health Systems Demonstration Project

---

Key Questions by Theme





# Characteristics of potential questions

- Feasibility
- Leverage PCORnet
- Relevance
- Potential impact and importance





# Themes

High healthcare  
utilizers

Specific  
populations

New healthcare  
delivery  
models

Novel  
analytical  
tools/methods

Assessment of  
Value





# Identifying and managing high healthcare utilizers

- Methods for classifying high utilizers
  - How to implement these methods
  - Epidemiology across health systems
  - Determining and addressing modifiable factors of high utilization
  - Successful examples of utilization management
- Readmissions
  - Epidemiology of readmissions
    - Effectiveness of available data sources
  - Predictors of readmissions
    - Utility of clinical data





# Specific populations by diagnoses or characteristics (e.g., SES)

- Co-occurring behavioral and physical health conditions
  - Utilization patterns and outcomes
    - Specific combinations
  - Determining successful interventions
    - Context of population health
- Social/non-medical needs
  - Most effective programs in which settings





# New healthcare delivery models

- Palliative care consults
  - Epidemiology
  - Unmet needs
  - Effect on outcomes and utilization
- ACO and PCMH
  - Outcomes (admits, re-admits, ED utilization)
  - Specific sub-sets of patients (e.g., COPD, HF, AMI)





# Novel analytical tools & methods

- Risk adjustment model for high utilizers
  - Using claims, clinical and socio-economic data
  - Routinized use in delivery setting
- Patient and system predictors of future utilization
  - ED visits for patients with ambulatory sensitive conditions
  - Inpatient admits from the ED for patients with ambulatory sensitive conditions
  - Similar questions for patients with specific diagnoses (e.g., heart failure or DVT)





# Assessment of value

- Prescribing and using new, expensive drugs for high-morbidity conditions (e.g., hepatitis C, multiple sclerosis, and rheumatoid arthritis)
  - Considering mortality/morbidity and effective use of resources
- Variability in high cost imaging (CT and MRI)
  - For patients with head trauma in the ED
  - For patients with headache in ambulatory settings
- Efficiently identifying and/ or predicting overuse of testing and treatment







# Discussion

- Themes
- Questions
- Relative prioritization

