Think Tank: How data systems can impact your health center

Alaina P. Boyer, PhD
Nilesh Kalyanaraman, MD
Guest Panelist: Dennis Culhane, PhD
HIT Spectrum

- Ability to access/pull data
- Aggregate data
- Analytics for deeper dives
- Monitoring
- Driving change to improve processes
- Data sharing
Impact of HIT

• Clinical decision support
• Performance QI measures
• Workflow improvements
• Structured data
Resources

• HITEQ
• HealthIT.gov
• Center for Care Innovation
• Assessments:
  – Center for Care Innovations
Where’s the Value?
Finding the Data to Demonstrate Value

Nilesh Kalyanaraman, MD, FACP
Chief Health Officer
Health Care for the Homeless
Baltimore, MD

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The Challenge: Demonstrating the Value of Supportive Housing

• Health Care for the Homeless is working with the City of Baltimore and researchers from Johns Hopkins to identify and demonstrate the value of supportive housing

• Economic Value and Health Outcomes

• Analyzing HCH’s Supportive Housing Program
Data sources: Internal

- Marble notebooks
- Excel spreadsheets
- Access databases
- Paper Charts
- Unstructured data in EHR
- Structured data in EHR
Creating Structured Data

• Enter info into EHR
  – Housing program type
  – Date of entry into program
  – Status in program
External Health Data Sources

• Statewide Health Information Exchange (HIE)
  – Emergency Department visits
  – Hospitalizations
  – Minimal ambulatory care visit data

• Behavioral Health System
  – Residential/Inpatient Substance Use Disorder treatment

• Insurer claims data
  – Prescription Drug
  – Ambulatory Care visits
External Social Services Data Sources

• HMIS (Homeless Management Information System)
  – Social Services utilization: shelter, benefits

• Police

• Criminal Justice System
  – Jail
  – Prison

• EMS
Challenges in Bringing Data Together

- **Client matching**
  - How do you know that a given person in your health record is the same person in another system’s record
  - Name, DOB, address, phone, social security number

- **Privacy**
  - Differing privacy standards across sectors and organizations
  - Individual vs aggregated data

- **Shared vision for data use**

- **Data storage & ownership**