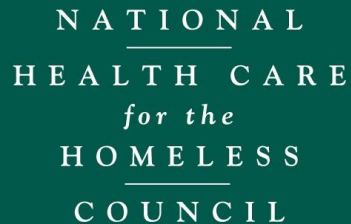


Think Tank: How data systems can impact your health center

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Guest Panelist: Dennis Culhane, PhD



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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



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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

