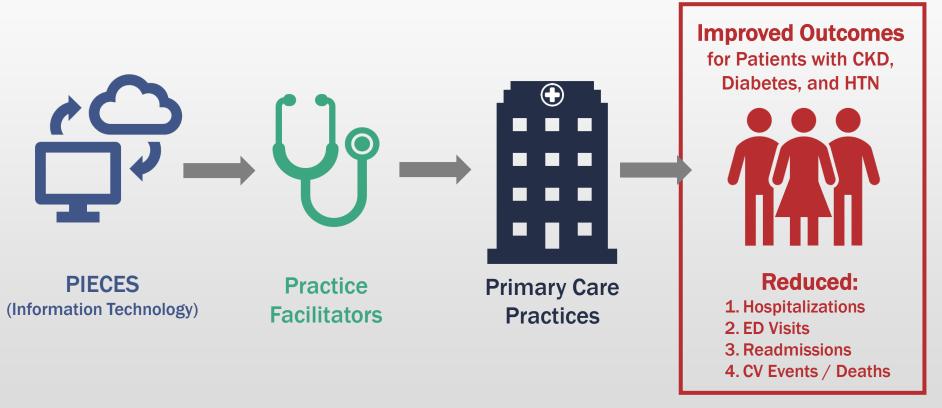
Health Care Systems Research Collaboratory

ICD-Pieces: Top Barriers/ Challenges and Recent Generalizable Lessons

Miguel A. Vazquez, MD and George Oliver, MD, PhD for ICD-Pieces Study Team



Hypothesis



Barriers Scorecard

Barrier	Level of Difficulty				
	1	2	3	4	5
Enrollment and engagement of patients/subjects			X		
Engagement of clinicians and Health Systems			X		
Data collection and merging datasets				X	
Regulatory issues (IRBs and consent)	X				
Stability of control intervention	X				
Implementing/Delivering Intervention Across Healthcare Organizations			X		



1 = little difficulty

5 = extreme difficulty

ICD-Pieces Top (Recent) Barriers

• 1. Personnel turnover

2. Measuring fidelity study intervention

3. Data sharing and transmission



Personnel turnover: Multiple sites and many levels

UTSouthwestern Medical Center











Public Safety Net

Private Nonprofit

Private ACO

Government Hospital

Measuring study fidelity – what to measure?



Randomization Clinical Practices Pieces +PF vs. Usual Care

Patients Identified

- Pieces algorithm (Cloud) vs. Local VA
- PF RN, Pharm Ds, Population Nurse(s)
- Patient Registries / Lists

Primary Care Team Notified

- Pre-visit Planning
- Best Practice Alerts (BPAs)
- Messaging

Clinical Decision Support Implemented

- Education Aides
- Best Practice Protocols

Monitoring Performance/Clinical Measures

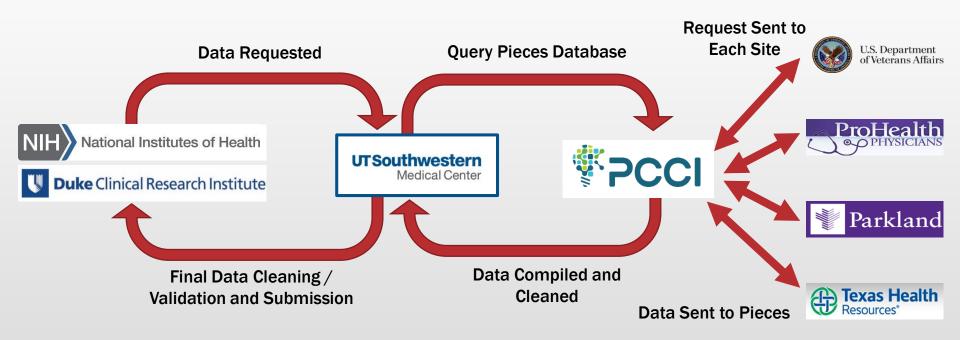
- Track Performance / Outliers
- Reports → Aid tools

Ascertain Outcomes

- DFW Hospital Council
- Claims Data
- Electronic Health Records



Data Transmission—Data Resides in Health Systems



Recent Generalizable Lesson(s)

- Implementation ePCT
 Health System interactions—new team members
 Contingency plans- Reserve clusters/ manual reviews
- 2. Keep focus on measuring outcomes
 Cross check sources for adjudication
 - Health System databases
 - Claims data
 - Regional and national registries