ICD-Pieces: Improving Chronic Disease Management with Pieces

NIH Collaboratory Meeting
Tuesday, May 15, 2018
Hypothesis: Collaboratory Model of Care Improves Outcomes

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**Pieces** (IT)

**Practice Facilitators**

**Primary Care Practices**

**Improve Outcomes**

for CKD – Diabetes - HTN

- Hospitalizations
- Readmissions
- Cardiovascular events
- Deaths
Participating Health Care Systems

- Safety-net
- Public
- Dallas County
- EPIC
- Practices - HCS
- Private
- North Texas
- EPIC
- ACO
- Private
- Connecticut
- All Scripts
- Veterans
- Federal
- North Texas
- CPRS
# Barriers Scorecard

<table>
<thead>
<tr>
<th>Barrier</th>
<th>Level of Difficulty</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enrollment and engagement of patients/subjects</td>
<td>X</td>
</tr>
<tr>
<td>Engagement of clinicians and Health Systems</td>
<td>X</td>
</tr>
<tr>
<td>Data collection and merging datasets</td>
<td>X</td>
</tr>
<tr>
<td>Regulatory issues (IRBs and consent)</td>
<td>X</td>
</tr>
<tr>
<td>Stability of control intervention</td>
<td>X</td>
</tr>
<tr>
<td>Implementing/Delivering Intervention Across Healthcare Organizations</td>
<td>X</td>
</tr>
</tbody>
</table>

1 = little difficulty  
5 = extreme difficulty
ICD – Pieces: From Barriers to Lessons Learned

- Enrollment
- Engagement
- Data Collection
- Regulatory
- Stability Control
- Delivery Across HCS

- PF Leverage IT / Waiver
- Simplify Workflows / Align metrics
- Adapt to HCS (Options to “Cloud”)
- Ask Early / Opt-out Option
- Respond to Changes (BP Goals, Rx)
- Address Turnover (PI, PF, IT)
Recent Generalizable Lesson

- Enrollment/ implementation => HCS factors
  - Intrinsic operations/ workflows sites
  - Staff turnover
  - Access claims data

- Approach
  - Anticipate and establish back-up plans
  - Empower/support HCS collaborators
If Only I Knew……..

• Health Systems change...often
• Reorganization and turnover
• Speed of changes in HCS (vs research)
• Keep multiple stakeholders engaged
• PCTs require different approach
• Balance direction ←→ delegation
Advice to new UH3 projects

- Understand your partner Health Systems
- Ask for input from Health Systems (early)
- Be prepared to respond to changes
What have you learned?
Learning Health System ...and investigators

• Embrace changes (new ideas)
• Scientific foundation PCTs-new knowledge
• Learn from experience others
• Expertise WG/ “the deliverables”
  ->Reg/EHR/PROs/Biostats/HCS
• Environment for advancing PCTs