ICD-Pieces: Improving Chronic Disease Management with Pieces

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

Pieces (IT)

Practice Facilitators

Primary Care Practices

Improve Outcomes for CKD – Diabetes - HTN

- Hospitalizations
- Readmissions
- Cardio Vascular 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>
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<tbody>
<tr>
<td>Enrollment and engagement of patients/subjects</td>
<td></td>
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<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 WGs/ “the deliverables”
  ->Reg/EHR/PROs/Biostats/HCS
- Environment for advancing PCTs