Top Barriers/Challenges and Recent Generalizable Lessons Learned

Improving Chronic Disease Management with Pieces (ICD-Pieces™)

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Study Overview

Clinical Relevance

Multiple Chronic Conditions

- CKD
- Diabetes
- Hypertension

Excessive Cardiovascular morbidity/mortality
Progression to End Stage Renal Disease (ESRD)
Vulnerable populations
Gaps in clinical practice
Public health implications
Enrollment and engagement of patients/subjects

- Waiver of consent with opportunity for patient opt-out
- Efficient and Effective Practice Facilitator operations
- Some “no shows” for clinic appointment
- Staff shortage in smaller clinics
- Slower enrollment at Parkland and THR due to IT issues
Engagement of clinicians and Health Systems

- Obtain Executive Leadership Support
- Engage Study site PI, Co-PIs and Practice Facilitators
- Adapt study activities to clinic workflow
- Integrate study activities into HCS quality metrics
- Recognize competition with drug company paid research
- Change in locus of control → Provider Resistance
Regulatory issues (IRBs and consent)

• Three IRB approvals needed – UT Southwestern, THR, VA
• THR and UT Southwestern planning to merge under the Southwestern Health Resources agreement
• Regular DSMB Input – In-person meeting, teleconference, emails
Data collection and merging datasets

- Business Associated Agreement (BAA) in place
- Data Use Agreement (DUA) in place
- Data transmission issues
- No anticipated problem with merging of de-identified dataset from 3 sites
- VA does not allow cloud storage and merging
Stability of control intervention

- ESRD American Indians/Alaska-MMWR-Narva, 2017
- Sprint Study – Outcomes with lower BP target
- CKD Quality Indicators-Canada-CJASN, 2017
Implementing/Delivering Intervention Across Healthcare Organizations

- Differences in Practice Facilitator personnel at each site
- Disparate Electronic Health Records
- Site-specific data transfer and clinic workflow
- Integration of study activities to HCS QI projects
- Competing HCS projects and changes prompted by research
- Provider merger, retirement and drop out
Recent Lesson Learned

• Rapid Response Team ➔ Address Personnel Turnover
  • Co-investigators (main study site and HCS)
  • Practice Facilitators
  • IT engineers
  • Data Analyst
  • Other team members