NIH Collaboratory Case Study: PROVEN

• Pragmatic cluster RCT of an Advance Care Planning (ACP) video intervention in NH patients with advanced comorbid conditions in two NH healthcare systems
• Video overcomes barriers of traditional ACP; ad hoc & perceived to take too long
• Randomize 360 NHs; 119 to intervention
• Primary Outcome: hospital transfers of target, multi-morbid residents with ~50% one year mortality
Video Assisted Advance Care Planning

- Visualize treatments such as CPR
- Broad goals of care
  - Life prolongation, limited, comfort
- Specific conditions/treatments
- Adjunct to counseling
- 6-8 minutes
- Multiple languages
- Trained Health Care System staff to train facility champions and jointly monitored implementation over 18 months of recruitment and 12 months of followup
Why Should ACP affect Hospitalizations in Target Cohort?

- Video sensitizes patients and family to poor prognosis of CPR for patients like them
- After video formal ACP discussions may be initiated with physician or NP
- Preferences document in DNR/DNH or other care restriction orders
- Next change in medical condition should not trigger a hospital transfer
Documenting the ACP Video Program

- A Video Status Report (VSR) was programmed in the EMRs of our healthcare system partners.
- Each time a video is offered to a patient or his/her family, a VSR UDA is to be completed; documents whether shown or refused.
- # patients offered video/# of eligible to be offered
- Monthly Reports generated for ALL intervention facilities
- Intended to identify limited implementation for re-training
- Documenting Implementation has important lessons for future dissemination efforts
VARIATION IN FACILITY VIDEO SHOW RATE

FACILITIES IN THE INTERVENTION GROUP
PROVEN: Implementation Challenges

- Turnover of facility champions
- VSR record becomes one more "check box"
- High "offer rates" unrelated to high "show" rates
- Transfer of facility ownership
- ACP video program added on to staff responsibilities
- Program became low priority at times of facility crisis
- Goal of lowering hospital transfers is long term; daily operating demands always a priority in an industry constantly in flux
Important Things to Do

Plan for:

- How the trial addresses sustainable implementation
- How the trial addresses effectiveness
- How the healthcare system learns
- Key policy or practice changes needed to enhance sustainable implementation
Designing With Implementation and Dissemination in Mind

Visit the Living Textbook of Pragmatic Clinical Trials at rethinkingclinicaltrials.org