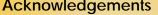


Hospital-to-Homecare Videoconference Handoff Improved Communication, Coordination of Care, & Patient/ Family Engagement





Project Lead: Suzanne Knight, DNP, RN

DNP Committee: Dana Tschannen, PhD (Chair); Deena Costsa, PhD; Rhonda Schoville, PhD

Project unit leads and partners: Jane Antosiak, Liz Baron, Diane Brown, Lori Barnett, Judy Clay, Holli Clewis, Susan Draffen, Megan Duncan, Debbie Hardenbrook, Linda Johnson, Cheryl Leabu, Laura Mulligan, Shannan Shaw, Elizabeth Searl, Liz Stevens, Julie Trinkle, Beth VanTiem, and

The Unit Based Committees, leadership, and patient/family advisors; Health Information Technology & Services









Why is this important?

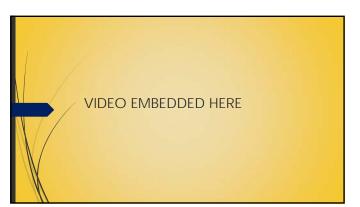
Transitions and handoffs:

- Miscommunication during handoff
 leads to errors
- Coordination of care issues
 Limited communication between
- settings Complex care at home
- Patient/family anxiety

80% of serious healthcare errors

Failure to coordinate care cost ~ \$45 billion





Identifying and Selecting an Innovative Solution

Project Goals

- Determine the feasibility and effectiveness of the videoconference handoff
- Improve communication and coordination of care, and engage the patient/family the transition handoff

Literature Review

Transition of care interventions
 Handoffs (best practices)

- o Structured
- oFace-to-face
- oPatient/family engagement
- oTechnology
- Videoconference handoffs

The literature and issues shared by patients, families and nurses provided the impetus to pilot videoconference handoffs



Sample (convenience sample)

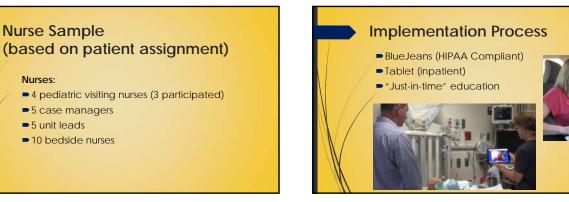
All patients/families discharged from pilot units to visiting nurses over two months (no exclusion criteria):

4 females, 5 males

Nurses:

- Ages 8 days to 17 years
- Primary diagnoses: congestive heart failure, heart transplant, total anomalous pulmonary venous return, congenital diaphragmatic hernia, gastrointestinal dysmotility, and prematurity









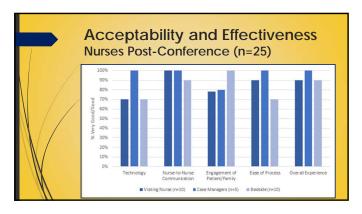
Methods

- Observation
- Chart review
- Informal interviews
- Surveys
 - Patient/Family Pre-Conference Questionnaire (paper)
 - Patient/Family Post-Conference Survey (paper)
 - Nurse Post-Conference Survey (Qualitrics)
 - Nurse Post-Pilot Survey (Qualtrics)

Feasibility: Acceptability Patient/Family Post-Conference (n=9)

Question	Result
How reassuring was it to meet the homecare nurse?	Reassuring/very reassuring (100%)
Were your questions/concerned addressed?	Yes (100%)
Overall experience	Good/very good (89%)





Planned	Actual
All patients discharging to Visiting Nurses receive a videoconference	10 of 16 (63%)
Case manager participation	6 of 10 (60%)
Patient/family participates in the room	9 of 10 (90%)
Videoconference the day before discharge	7 of 10 (70%)
Held between 8:00am-3:00pm, Monday-Friday	9 of 10 (90%)
Videoconference duration 5-10 minutes	3-12 minutes (average 8 minutes, SD 2.72
The same nurse attends videoconference and first home visit	9 of 10 (90%)

Effectiveness (MVN Post-Pilot n=3)	Overarching Goals Communication Coordination of Care	Goals Met (Met 100% for each item respectively) Able to visualization of the wound, line, etc. prior to the first visit Accuracy and specificity of information received about patient and discharge was appropriate Received information about safety concerns when applicable Spent less time looking for and reviewing information in the EHR Achieved greater shared understanding of procedures, post-discharge visits, etc. Coordinated timing of the first visit, or fewer first visits rescheduled Received the correct address for first visit Discussed coordination of equipment/supplies needed in the home (e.g., what will be delivered)
		Discussed coordination with the case manager when they participated in the room
	Patient/Family Engagement	Created a connection between the patient/family and visiting nurse prior to the first visit



Discussion

Transition handoffs between settings are challenging due to the physical distance between sending and receiving clinicians, fragmented information systems, difficulties in coordinating care, and inconsistent goals between the patient, family and nurses. This project provides initial findings related to effectiveness and feasibility of videoconference handoffs.

How could you use videoconference handoffs?



PDCA to Improve Practicality (Fit into workload)

- 1. Focus intervention on higher risk patients and develop less resource-intense option for lower risk patients
- 2. Streamline the logistics
- 3. Schedule handoffs between 12:00-1:00 pm
- 4. Work with MiChart on handoff documentation



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Summary

- Videoconference handoffs were feasible and improved communication, coordination of care, and patient/family engagement as patients transitioned from the hospital to homecare
- Handoffs have continued on pilot units
- Videoconference handoffs are being used with additional populations

