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<u>Special Note:</u> This is an abbreviated version of a Doctor of Nursing Practice 2018 Scholarly Project Completed for Loyola University N.O.











Clinical Question

 Compared to traditional admission and discharge processes utilized in hospitals and SNFs across the United States, will focused interventions by RN care navigators reduce 30-day hospital readmission rates over a three-month period among geriatric patients admitted to long-term care?

Operational Definitions

Continuing Care Retirement Community (CCRC)

- · Often referred to as a "life care" community
- A CCRC provides a continuum of care and services for aging adults over the age of 62
- Levels of care include independent and assisted living, memory care, skilled nursing and rehabilitation, and home health care





Project Long-Term Care (SNF) Settings

- Three Settings based in Florida
- Facility A: 54 beds
- Facility B: 100 beds
- Facility C: 90 beds
- Avg. Occupancy = 91%



Project Long-Term Care (SNF) Sample

- Medicare, Medicaid, managed care and private pay
- Sample limited to short-term Medicare Part A
- Convenience sample n = 165
- 65 to 95 years of age
- Mean Age = 89
- Two large primary referral hospitals near SNFs

Intervention

- 90-day period from September December, 2017
- Dedicated and specialty trained RN care navigators
- Evidence-based INTERACT QI tools
- Baseline readmission rates
- Evidence-based interventions
- Analysis of post-intervention results

Measurement and Tools

- Data collection form & confidential coding system
- · Calculation of all-cause 30-day readmission rates
- Functional Improvement Measure (FIM) scores
- Care Transition Measure (CTM-3) scores
- Record review for presence of advance directives on admission and discharge

Methods and Procedures

- Selection and training of RN care navigators
- Training of interdisciplinary team in each health center
- Implementation of RN care navigators in health centers
- Completion of RN care navigation checklist and data collection sheets for each patient in the sample
- Notification of attending physicians at admission and discharge
- Communication with hospital discharge planners prior to discharge



Analysis and Results: Descriptive Statistics

Descriptive Statistics						
	Minimum	Maximum	Mean	Standard Deviation		
Age	65	95	83.79	7.825		
Length of Stay	2	71	22.38	13.865		



Analysis and Results

Average age of participants was 83.8 years 93% (13/14) readmits were over 80 years old Mean length of stay in SNF was 22.4 days

Analysis and Results

- Hospital readmissions decreased from 14.1% to 8.5% following intervention
- Average score on CTM-3 was 3.8 out of 4
- Completion of Advance Directives increased from 52% on admit to 72% at discharge
- 66.75% Increase in Functional Improvement Measures





Advanced Direc	C Stive on Ac	crosstabulation	Table	tive on Disc	harge	
Auvanceu Direc	live on Ac	initission by Au	Advanced Directive on Discharge		Total	
			No	Yes		
	Yes	Count	0	86	86	
Advanced Directive		% of Total	0.0%	53.8%	53.8%	
on Admission	No	Count	41	33	74	
		% of Total	25.6%	20.6%	46.3%	
Total		Count	41	119	160	
		% of Total	5.6%	4.4%	100.0%	



Discussion

- The value of evidence-based INTERACT tools in early identification of changes of condition warrants their wide-spread use in post-acute care health centers
- Results are consistent with current literature emphasizing the importance of discharge planning and collaboration between the hospital and health center

Potential Implications

- Improved communication and coordination of care are essential to safe and effective transitions of care
- Critical role of care navigation in CCRCs
- · Clinical complexity continues to increase in SNFs
- The multiple disease comorbidities/acuity of the geriatric sample population are typical of post-acute care health centers

Limitations

- Limited sample size of 165 geriatric patients: z-scores were directional but not significant
- · Setting was limited to three health centers in one city
- All SNFs were owned by one company
- 90 Day limited intervention period







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