

Conflicts of Interest

- · Payment for Presentations and Advice...
 - No conflicts to report
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Acknowledgement: Research Team



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Objectives

- Explain the background, rationale, and context of Collaboration and Proactive Teamwork Used to Reduce (CAPTURE) Falls
- 2. Identify CAPTURE Falls as a complex social intervention (CSI)
- 3. Evaluate the outcomes of CAPTURE Falls based on extent of implementation and consistency with theory



Falls: Quality and Safety Problem

- Prevalence (Oliver et al., 2010)
 - 2% 3% of hospitalized patients fall each year
 - 30% 51% of falls result in injury
- Benchmarks from National Database of Nursing Quality Indicators (Staggs et al., 2014)
 - 3.4 falls/1000 pt. days
 - 0.8 injurious falls/1000 pt. days

Outcomes

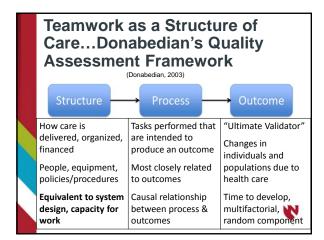
- Cost...\$14,000 greater for 2% of fallers with serious injury (Wong et al., 2011);
- 1/11 Healthcare Acquired Conditions (HACs)
 PPS hospitals not reimbursed for
- Falls contribute to 40% of nursing home admissions (Tinetti et al., 1988)
- Fear of falling limits mobility (Tinetti et al., 1994)

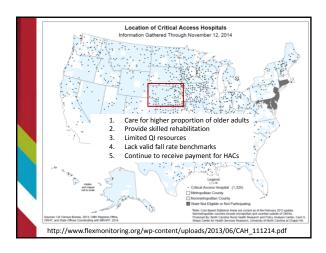




Evidence indicates that teams decrease fall risk...but how?

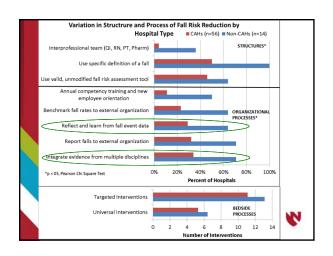
- Systematic review: Etiology of falls is multifactorial (Oliver et al., 2004), thus falls require a multifactorial/ interprofessional approach for prevention
- Cohort pre-post designs: Fall risk has been reduced in studies where interprofessional team members were actively engaged in fall risk reduction efforts (Gowdy et al., 2003; von Rentein-Kruse et al., 2007)
- Systematic review: Themes specific to successful implementation of fall risk reduction programs include multidisciplinary implementation and changing attitudes of nihilism (Miake-Lye et al., 2013)
- Theory: Effective teams are the fundamental structure for managing complexity/learning and implementing change in organizations (Edmondson, 2012; Higgins et al., 2012)

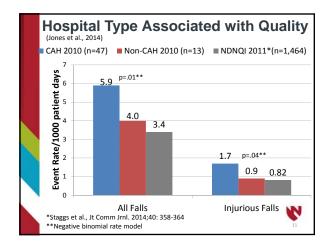


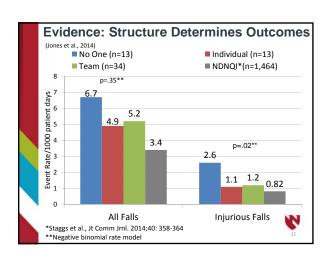


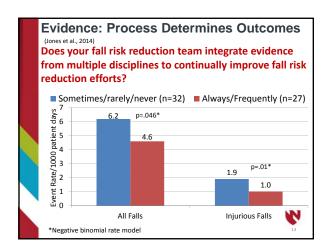
Fall Risk Reduction Context

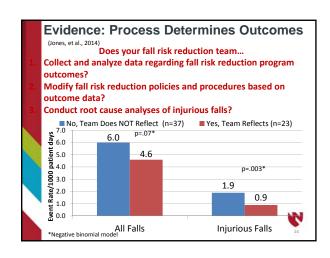
- · Quality indicator
 - Nursing quality dependent upon staffing?
 - Organizational quality dependent upon team structures and processes?
- Little known about HOW teams should implement fall risk reduction as an organizational goal
- Little known about risk of falls in smallest hospitals in US

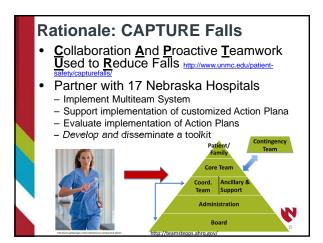


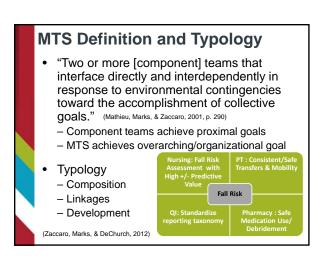


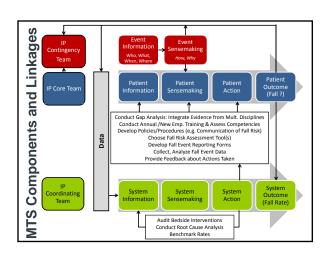




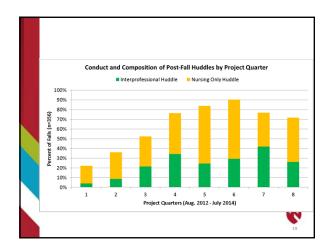




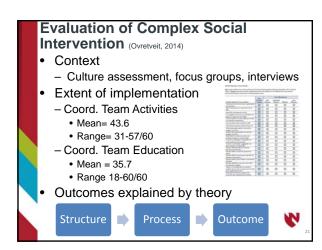


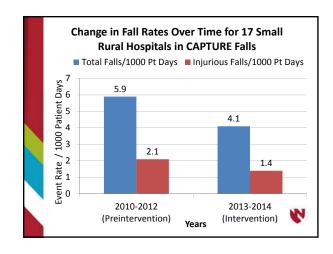


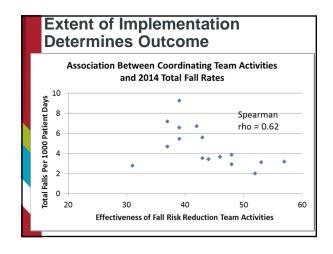
Goals of Post-Fall Huddle http://www.unmc.edu/patient-safety/_documents/post-fall-huddle-form.pdf • Proximal Contingency Team Goals 1. Discover root cause of the fall through group sensemaking (critical thinking) 2. Decrease the risk of a future fall for the patient who has fallen by changing the plan of care for that particular patient • Overarching MTS Goals 1. Decrease fall risk for all patients by applying what is learned in the huddle to the system 2. Improve trust among bedside personnel (core team) 3. Improve collaboration and coordination among component teams

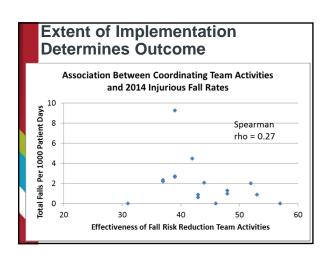


Significant Change C	ver II	me 20	13 vs. 2014 a		and due to Pa		articipation i Ancillary		n Huddles Support	
	Admin/Mgt				Core Team		Team		Services	
	Time	PFH	Time	PFH	Time	PFH	Time	PFH	Time	PF
Team Structure			+			+		-		+
Leadership			+		-	+				+
Situation Monitoring		+	+					-		+
Mutual Support			+					-		+
Communication			+							+
Management Support			+			+		-	+	+
Hospital Staff Support		+	+							
Informal Opinion Leaders					-					
Hospital Resources			+							









Outcome: Changing Attitudes

Nurse: "What did we learn about falls? I remember being a student nurse years ago, and one of my patients ... had fallen at home. I kind of giggled-so she fell. And the nurse working with me said, 'Oh, no! In the elderly falls can be lethal, but that's just part of getting old.' And we've learned that's not just what happens- we can put things out there to prevent that."

Physical Therapist: "Teams hold you accountable and build you up."

Pharmacist: "I might look at something differently than a nurse or QI, so we can kind of talk about it together [in the huddle] and then identify why we think the fall happened and what we can do to improve."

Summary

- CAPTURE Falls is a complex social intervention developed to address higher fall risk in CAHs
- Based on extent of implementation of coordinating team activities, consistency with theory, and consideration of context...
- Use of MTS increased capacity of small rural hospitals to implement evidence-based fall risk reduction interventions by leveraging complementary skills and diverse thinking of multiple professions and teams

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