

## **FALL PREVENTION**

- 1/3 of older adults fall every year<sup>1</sup>
- Leading cause of unintentional injury, deaths, and disability in older adults<sup>1</sup>
- I.3-8.9 falls/1,000 bed days in acute care hospitals<sup>2</sup>
   Occur due to complex interaction of biological, behavioral, environmental, and social economic factors<sup>3</sup>
- >50% of inpatient falls are of cognitively oriented patients<sup>4</sup>



Organization

 Bingen, G. Falls and Fall Injuries Among Adult Aged 365 Years — United States, 2014. MMVRM Mork Mortal Way, Rep. 66, 2015).
 Misale-Japki, Hennpel S, Gatu XD, Maheelle PG. Inspatient Informeriton programs as a pattert after strategy: a systematic review. Am Misale-Japki S, 2013 Sci. 2013. DSIGOV 3419: 5185–5201055.00055.
 Misale Handh Organization: WHO Global Reports on Fall Prevention in Older Age. (2007).
 Vehot Handh Organization: WHO Global Reports on Fall Prevention in Older Age. (2007).
 Vehot Handh Organization: WHO Global Reports on Fall Prevention in Older Age. (2007).

#### **GAPS IN RESEARCH & PRACTICE**

Lack of patient engagement in fall prevention recommendations<sup>1</sup>
 Preliminary study #1<sup>2</sup>

- 50%: Remembered receiving fall prevention education
- 29%: Considered themselves to be at high risk for falling
- Preliminary study #2<sup>3</sup>
  - 13%: Identify as "doing it all," "not going to change," or "I give up"
  - 46%: Identify at least 3 fall prevention activities or fall risks

- 46%: Identified limitations or need for change but not changing yet

 RAND corporation. Preventing Falls in Hospitals (Agency for Healthcare Research & Quality (AHRQ)). http://www.hrtg.gov/input/sociality/patterns/patial/libpatcolkin/index.html. Accessed June 35, 2015.
 Kyoshi-Roo, H., Cartes N.& Rose, A.F. Ala prevention practice gap analysis. Alming for targeted improvements. Media

### **STUDY AIM**

Examine hospitalized older adults' fall prevention behaviors and levels of motivation

#### **SETTING/SAMPLE**

- Three medical-surgical floors at a Northwestern hospital
- Inpatients (≥ 24 hrs)
- Age ≥65
- At high risk for falling (Morse Falls Scale≥45)
- Cognitively oriented (≥ AAO \*3)

#### METHODS

- Descriptive, cross-sectional design
- In-person interviews at bedside
- -Fall prevention behaviors:
  - Modified Fall Prevention Behavior (FAB)<sup>1-4</sup>
- -Measures to examine motivation:
- Importance and Confidence Ruler<sup>5</sup>
- Short Fall Efficacy Scale-International (FESI)<sup>6</sup>
   Patient Activation Measure (PAM)<sup>7</sup>
- Command G. A. Hardward and a second and

hows About Patient Activation: Better Health Outcomes And Care Experiences: Fewer Data On Costs. Health Aff

<b>RESULTS:</b> DEMOGRAPHICS					
	Mean (SD)/ Frequency (%) (#)	Comments			
Male	97.0% (65)				
Age (years)	73.13 (6.35)				
Time since admission (days)	4.34 (3.96)				
Number of diagnosis	10.37 (4.83)				
Admission due to a fall	11.9% (8)				
Morse Fall Scale	68.36 (15.41)	≥45 indicate high fall risk			
Montreal Cognitive Assessment Basic Score	25.58 (2.89)	<22 indicate mild cognitive impairment			
Fell in last 3 months	52.2% (35)	23 people had injury			
Fell in last year (excludes recent 3 months)	44.7% (30)	I I people had injury			
		N=67 7			

	Mean (SD)	Comments
Fall prevention behavior score (FAB)	2.96 (0.42)	I-4 possible scores. 4=always implementing fall prevention behaviors
The level of <b>importance</b>	9.12 (1.97)	1-10 possible score. 10=extremely important
The level of confidence	7.23 (2.49)	I-10 possible score. 10=extremely confident
Self-efficacy score (FESI)	17.8 (6.69)	I-28 possible score. 28=having the most concerns related to falling
Patient activation score	64.3 (13.59)	I-100 possible score. 100=most activated to engage with bis/ber bealthcare

	Fall <3 months Mean (SD)	No fall <3 months Mean (SD)	
Fall prevention behaviors (FAB)	3.08 (0.37)	2.84 (0.46)	p=.036*
Importance	9.71 (0.68)	8.56 (2.75)	p=.034*
Confidence	6.56 (2.60)	7.86 (2.32)	p=.044*
Self-efficacy score (FESI)	19.06 (6.32)	16.76 (6.74)	P=.173
Patient activation score (PAM)	65.51 (13.87)	63.32 (13.67)	P=.531
		N=67	*: p<.05





# WHY AMBIVALENCE?

- "I'm not comfortable with the cane"
- "I have a hard time accepting other people's help"
- "There's a lot of things I think aren't anybody else's business but mine"
- "She's a good provider, but there again my vanity is killing me"

## LIMITATIONS

- Sample size
- Limited to high fall-risk patients
- Self-reported data
- Social desirability bias

NOTE: This presentation represents baseline data for a randomized control trial using Motivational Interviewing

# **CONCLUSIONS**

- Older adults value fall prevention (importance & behaviors)
- Recent fall experience impact: – Fall prevention behaviors  $(\uparrow)$ – Importance (  $\uparrow$  ) and confidence (  $\downarrow$  )
- Ambivalence exists for fall prevention behaviors

**Opportunity for behavior change!** 



## WHAT NURSES CAN DO

- Recent fall episode offers opportunity to intervene
- Affirm what patients already do
- · Identify areas of ambivalence for behavior change

• Find and create next steps for what they are NOT doing, or can do MORE of



"What's Falls are comm	important to you?" on in hospitals and at home "Coact Prove
I want to talk about things that ma	ters to me:
Be independent to take ca myself     Get better and stronger	re of Be able to do more things that I enjoy Need less visits to hospitals
I want to talk about my fall risks:	
My knees gives out	My medications make me fall
<ul> <li>Being dizzy or loosing balance while standing</li> </ul>	<ul> <li>Not wanting to ask for help or wait for help</li> </ul>
Moving before thinking	My surroundings are not safe
I want to talk about practical ways	to keep me safe:
Allow plenty of time to g the bathroom by planning	t to • Wear your glasses and hearing aides 16

