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Mobility and Falls- Healthcare Conundrum

• Risks of immobility are well known but many fear the risks of "allowing" mobility and potential for falls even more.

- 2007 Hospitals started receiving financial penalty for hospital acquired conditions including falls.
- Described as "never" events
- · Consequently mobility in hospitals decreased
- · Falls did not
- Similar pressures in nursing care facilities with quality measures and fear of lawsuits.
 (Growdon ME et al, 2017)

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Mobility Perspectives (Taylor JA et al, 2014)				
	Security	Purpose	Achievement	
Resident	Avoid injury Comfortable during event	Able to move for desired activities Retain autonomy To be assisted as needed	Retain mobility function as much aspossible Recognize successful adaptation	
Care Staff	Avoid injury	Able to meet resident needs Contribute to safe handling culture	Safely assist resident retain function,mobility and independence Assist to adapt to mobility loss whereappropriate	
PT	Expecting best practicemobility	Able to contribute to culture of saferesident mobility optimization	Assist staff to manage resident handlingsafely while optimizing mobility	
Manager	Minimize Risk	Able to contribute to culture of saferesident mobility optimization	Provide a culture where staff can manageresident manual handling safely Provide resources necessary for above	
Family		Feel involved in resident care mobilitydecision	Assist the resident to retain mobility, related function and independence	
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- Encouraging people to do as much as they are capable of doing with minimal risk to safety
- Hospital study to promote mobility using twice daily nursing walks and cognitive behavioral therapy (CBT) approach to encourage walking
 - (Brown CJ et al, 2018)
 CBT encouraged older adults to do what they could and ask for assistance with tasks that required assistance
 - Example- person who could transfer and stand at bedside but needed assistance to walk was given a program that included standing at bedside several x's/day along with assistance to walk.

Best Practice- Encourage Staff to Assist but Not Overtake

- Work with therapy to assess how much residents can do on their own and how/when to assist.
- Program had staff score residents ability to perform daily activities that were broken down by steps.
 - \circ Scores range from independent, with support or not at all
 - Used video of residents doing activities to show staff capability and other videos to show how staff can take over and deny them opportunity to participate

 (den Ouden Met al, 2019)

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- Intervention- teach and motivate NH staff to effectively engage resident in activities that optimize physical activity and have resident perform functional tasks while minimizing affective and behavioral disturbances during care interactions.
- Environment adaptation may be needed
 (Galik E et al 2014)

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- Encourage staff to have a plan but be flexible in responding to the daily needs of the individual.
 - Quality interactions between staff and residents is essential
 - Staff need to be mindful of recognizing verbal and non-verbal cues from resident that may demonstrate a need for changing the plan
 (Taylor JA, 2014)

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Best Practice- Get to Know the Residents (Inv LF et al, 2018) (Inv LF et al, 2018) Staff created "all about me" document that included brief psychosocial history and functional needs. Based on these co-created achievable goals for increased function and socialization Each resident became the focus of the team huddles for 1 week

- Reviewed goals for recreation, physical function and independence
 Promoting the resident having their "best week"
 Discussed resident at each handover that week to
- ensure every staff member got to know them and could contribute to implementing goals.

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as much as possible to return home or lesser level of care. •Function is a key •For resident-returning home •For facility-quality measures, person-centered care •Staff should focus on encouraging as much mobility as possible to prepare for discharge.

Long Stay

 Goal is to sustain resident contributions to function as long as possible. •Function is a key •For resident self-image •For facility- quality measure, person-centered care and staff workload •Staff should focus on encouraging as much mobility as possible to promote wellbeing.

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Bottom Line: practices that encourage the resident to be mobile and doing as much as possible for themselves are best practice.







Function & the inpatient setting

- While hospitalized, on average, older adults spend 83% of their time in bed and 12% of their time in a chair
- Roughly 40-60% of these patients experience a decline in functional ability, sometimes as early as their second day as an inpatient
- Hospitalized older adults are 61 times more likely to develop a disability compared to those who are not hospitalized
- Older adults who are less mobile and develop medical deconditioning have higher rates of infections, pressure sores, falls, and readmission to inpatient facilities vs returning to the community

 (Resnick; Brown 2009; Gill TM 2009, 2004; Kortebein P 2008)





Function & the inpatient setting (Greysen et al 2015)				
Readmission Odds Ratio (95% CI)				
		Unadjusted	Adjusted ^b	
1 [Reference]	1 [Reference]			
1.08 (0.74-1.57)	0.97 (0.66-1.44)			
1.32 (0.96-1.82)	1.14 (0.82-1.58)			
1.44 (1.03-2.02)	1.11 (0.77-1.61)			
2.60 (1.69-3.99)	1.70 (1.04-2.78)			
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	(Greysen et al 2015) Readmission Odds Ratio (95% Cl Unadjusted 1 [Reference] 1.08 (0.74-1.57) 1.32 (0.96-1.82) 1.44 (1.03-2.02)			























Choos to trac

Choosing functional metrics to track

- Anthropometric measurements (eg BMI)
- Overall activity level (eg steps per day)
- Vitals (resting heart rate, resting blood pressure)
- Individual and combined domains of mobility, strength, balance

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- Mobility (ambulation or wheelchair)

 Encourages patient to walk or independently propel wheelchair, providing time to perform (vs no involvement or encouragement, not providing enough time)
 - Provides step-by-step cues to support mobility efforts, for example, "move your left foot forward, now move your right foot" (vs not providing tailored assistance or not encouraging activity if patient can only perform partly or for short distances)
 - Assists in, asks about, or encourages use of assistive devices (vs not addressing this supportive component of the activity, as needed)

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- Prioritizing prevention of physical and psychosocial disability, always looking to a patient's highest functional level
- Encouraging/ facilitating activities that might have been considered "risky" from a traditional perspective, but really prevent deconditioning and disability

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Care Coordination in **Restorative Care**

Restorative Team Members

- Team lead: "Champion"
- Advanced practice nurse & medical director or primary care physician
- Physical therapist, occupational therapist
- Recreational therapist or exercise trainer
- Activities staff
- Social worker
- MDS Coordinator

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- The care plan & medical record must document measurable objectives and interventions
- · The medical record must reflect periodic evaluation by a licensed nurse
- Nursing assistants/ aides must be trained in the techniques that promote resident involvement in the activity
- A registered nurse or licensed practical (vocational) nurse must supervise the activities in a restorative nursing program





- · Identifying and supporting the champion
- · Sustaining involvement of patient, family, and all care providers
- Organizational/ administrative support
- Training/ education for all stakeholders
- Flexibility and creativity in patient activities, in accordance with goals



Tools Associated with Effectiveness Process/ system supporters When possible, flexible schedules/ extended hours allowing patient to receive more care Team communication frameworks IDT communication Regular in-services, screens, rounds

- Nursing <-> therapy referral system
- o Carryover across patient, family, and providers

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Resources

- Resnick; Brown 2009; Gill TM 2009, 2004; Kortebein P 2008
- Hoyer et al. Arch. Phys Med & Rehabil. 2013;94;1951-8
- Greysen et al 2015
- Falvey JR, Burke RE, Levy CR, Gustavson AM, et. al. Phys Ther. 2019 Jan 1;99(1):28-36
 Studenski 2009 & 2011
- APTA Falls Pocket Guide + resources
- Guralnik et al 1995
- Resnick, Galik, & Boltz, 2013; Resnick
- Qualityrestorativenursingprograms.pdf
- Sammer et al 2009
- https://www.ahrq.gov/hai/cusp/modules/index.html

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