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Recommended Citation

Nijjar, Manpreet, "The ManageMed Screening as a Tool for Discharge Planning" (2020). *OT Student Capstones*. 62.

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The ManageMed Screening as a Tool for Discharge Planning

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Introduction

The ManageMed Screen was used as a tool for discharge planning from a post-acute rehab setting to reduce readmission rates. The goal was to identify barriers to medication adherence. Medication adherence is best explained as the extent to which patients follow the given instructions for prescribed medication.

Methods

- Inclusion criteria was 20 or higher on the Saint Louis University Mental Status Examination (SLUMS)
- The ManageMed Screen looks at insight awareness, performance, and organization skill
- Statistics were analyzed using SPSS package. Scores on the ManageMed screening were compared at admission and at discharge using the paired T-Test. An ANOVA was used to identify variance between ManageMed scores and discharge status.
- 109 patients were offered the opportunity to participate. 65 participants were screened at admission, and 53 individuals were screened at both evaluation and discharge.

References

Available Upon Request

	N	Mean (SD)	Paired T Test
			T (df)
Total Points (Admission)	53	32.85 (3.45)	-5.28 (52)**
Total Points (Discharge)	53	35.19 (2.30)	
How well will you do? (Admission)	53	8.77 (1.58)	-2.61 (52)*
How well will you do? (Discharge)	53	9.26 (.094)	

	N	Mean (SD)	Post Hoc LSD		One-way ANOVA
			Mean Difference (Std. Error)		
Part 1 Points Intake	65	22.46 (3.5)			6.52*
SNF	9	19 (4.7)	Home	-3.58* (1.2)	
			Home with HH	-4.3* (1.2)	
Home	24	22.58 (2.8)	SNF	3.58* (1.2)	
			Home with HH	-.76 (.9)	
Home with HH	32	23.34 (3.0)	SNF	-4.3* (1.2)	
			Home	.76 (.9)	
Total Points Intake	65	32.83 (3.4)			3.045
SNF	9	31 (2.7)	Home	-1.25 (1.3)	
			Home with HH	-2.75* (1.2)	
Home	24	32.25 (2.4)	SNF	1.25 (1.3)	
			Home with HH	-1.5 (.9)	
Home with HH	32	33.75 (3.9)	SNF	2.75* (1.2)	
			Home	1.5 (.9)	
Total Points D/C	53	35.19 (2.3)			.857
SNF	6	35 (1.4)	Home	.32(1.1)	
			Home with HH	-.57 (1.0)	
Home	19	34.68 (2.3)	SNF	-.32 (1.1)	
			Home with HH	-.89 (.7)	
Home with HH	28	35.57 (2.4)	SNF	.57 (1.0)	
			Home	-.89 (.7)	

*Significant at .05 ** Significant at .01

Discussion

- Going forward this project will look at barriers to medication management in the home health setting when transitioning home. Running a similar study in the home health setting would allow for improved safety and independence with medication management.
- Statistically significant scores on the ManageMed screen can indicate very different barriers to medication management between individuals. Occupational therapists must use a client-centered approach when interpreting the results of this evaluation and planning treatment.

Limitations

- Due to COVID-19, admissions to the facility were halted for roughly 2 weeks. Patients showing signs/symptoms of COVID-19 were not able to be administered the ManageMed Screen at discharge due to strict precautions.
- The ManageMed Screening tool does not have a ceiling indicating a patient's inability to complete a moderately complicated medication regime. The occupational therapist must specifically look at deficit areas to tailor a client-centered plan of care

Relationship to OT

- OT need to be aware of compensatory methods that can be provided to patients
- Increased research regarding the use of this screen by OT can lead to creating standardized scores which can help develop a more precise intervention
- This screen has value in an acute setting because the ability to manage medication needs to be determined before discharge home