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The Use of ManageMed Screening Toll for Directing Occupational Therapy Intervention in Home Health

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Introduction

The purpose of this project is to incorporate the MMS tool into the home health setting and make it more applicable, and guide intervention treatments as necessary to the patient.

- Estimated \$100-300 billion spent annually on medication nonadherence nationwide
- Increased number of chronic health conditions, hospital readmission, health care costs, morbidity, mortality, lower quality of life
- Over 200 risk factors attributing to medication nonadherence
- Gap in literature incorporating assessment of medication management in home health setting

Methods

Site: Ashley Clyde LLC Home Health Services
Inclusion criteria: above 18 years of age, read English 6th grade level, vision adequate, ability to count and simple division, no greater than mild cognitive impairment – no more than 4 points on Short Portable Mental Status Questionnaire (SPMSQ)

MMS tool was given at initial evaluation

MMS Tool

- Pre-test questionnaire on personal medication management
- 4 self-efficacy questions rating 1 to 10
- 32 item medication management assessment
- Recall long term memory
- Administer treatment as necessary
- Responses to pretest MMS questionnaire were coded thematically.

The Medication Management Home Health Screening Tool was developed in response to deficiencies in the pretest questionnaire.

References and the Medication Management Home Health Screening Tool available upon request.

	Gender	Age	# Meds	MMS Norm for Age	Pt MMS Gross Score	Section 1 Questions	Rank for Age
P1	M	60	5	34.14	20/39	19/27	Below Average
P2	F	76	5	29	22/39	15/27	Below Average
P3	F	76	5	29	21/39	17/27	Below Average
P4	F	77	8	29	32/39	22/27	Above Average
P5	F	67	10	29	36/39	24/27	Above Average
P6	M	80	15	29	32/39	20/27	Above Average
P7	M	87	13	29	18/39	17/27	Below Average

Themes

The themes found from the 7 patients' pre-test questionnaires guided the new formation of the addendum to the MMS for the home health setting. Themes of concern included: forgetting to take medication, physical limitations impacting ability to take medication, influence of routines on medication regimen, general comprehension of patients' medication(s), and knowledge of side effects.

Medication Management Home Health Screening Tool

Development of the screening tool questions utilized the data findings and thematic codes discovered from the pre-test MMS questionnaire. The screening tool allows therapists to assess patients' personal medication regimen at home that is time efficient and can guide individualized treatment as necessary.

The Medication Management Screening Tool Questionnaire

The SPMSQ should still be integrated for a condense screening of cognitive capabilities prior to incorporation of the questionnaire. There are 17 questions total. Examples of the questions are:

- *How many medications do you have currently, and how many times a day do you take them?*
- *Have you had any medication changes recently, are all of your doctors aware of these medication changes?*
- *Ask them (patient) to show you their medication set up, what is your medication routine currently?*
- *Are you responsible for setting up your pill box (if applicable), ask them to show you.*
- *Do you understand the purpose of each medication?*
- *Therapist picks up 3 random prescription bottles. What are the side effects of these medications?*
- *Therapist picks up random bottle. Have them count the number of pills inside and tell you when they need to refill the prescription.*
- *What do you do if you experience a side effect you are unsure of?*

Discussion

The MMS tool was not feasible for the home health setting due to time efficiency and the need for a more individualized assessment of medication regimen. Our addendum is a personalized screening that allows the therapist to assess a patient's everyday medication regimen. The owner of Ashley Clyde LLC plans to incorporate this tool into her current practice for initial evaluations.