

Goal Attainment in a MS Cognitive Intervention Study

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LEARNING OBJECTIVES

At end of this presentation the learner will be able to:

1) Describe the use of goal attainment in a community-based cognitive intervention for persons with self-reported MS.



BACKGROUND

60% of persons with multiple sclerosis (MS) report cognitive limitations

Goal attainment has been effectively used to evaluate behavior change in in-patient cognitive rehabilitation

Little is known about about goal attainment in community-based cognitive intervention studies for persons with self-reported cognitive limitations

PURPOSE

To determine goal attainment and maintenance following participation in a cognitive health promotion intervention for people with MS living independently in the community.



METHODS

Recruitment:

Individuals with MS, ages 18-60 years, who reported cognitive limitations from three cities in Texas recruited to participate in a randomized clinical trial of a cognitive intervention.



METHODS

Intervention:

- 8-week holistic class sessions designed to improve cognitive functioning
- Facilitators instructed participants to set attainable goals that could improve cognitive functioning at the end of the intervention

METHODS

- Data collected about goal attainment were collected at 3 months and 6 months following the end of the intervention.
- Goal Attainment Scale (GAS) Five-point (-2 to +2) GAS constructed for participants personal goals

(Kiresuk, Smith, & Cardillo (1994)



SAMPLE:

- Average age:49.74 (*SD* = 7.41)
- ♦ 74 participants
- ◆17.6% Male
- ♦ 82.4%Female:
- 82% White, Non-Hispanic
- ♦ 74% college or graduate school
- 66% Relapsing-Remitting MS
- ◆ 5.1 average EDSS score
- Average length of MS diagnosis: 14.59 yrs. (SD = 8.33)



Types of Goals

- Planning/Organizing (n=29)
- Physical Activity (n=26)
- Relaxation/Leisure (n=15)
- ◆ Nutrition (n=4)



RESULTS

Sample GAS				
-2	-1	0	+1	+2
Does not exercise	Exercise 1-2 times/week	Exercise 3-4 times/week	Exercise 5-6 times/week	Exercise Daily











Sample Barriers to Goal Attainment

Health issues Weather Time and energy Caretaking responsibilities Death in family Distractions (work related) Changed or forgot goal



Strengths/Limitations

GAS effective in capturing incremental behavior changes
In holistic health promotion interventions

- Trained facilitators
- Provides complementary information for standardized tests and self-report measures.

 Lack of ongoing supportive contact after intervention may influence maintaining behavior change over time
Different facilitators may have varying approaches
Goal attainment influenced by environmental changes





GAS can be an effective way for facilitators of behavioral programs in community-based settings to assess the attainment of behavioral changes following cognitive health promotion interventions.



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