

Walk A Hound Lose A Pound & Stay Fit for Seniors

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1 - 73.61

1 – 8 5.09

Control N=19

1 – 8 3 74

1 – 8 4.0

141 - 383

INTRODUCTION

The rising rate of obesity in older adults is linked with the national problem of limited physical activity, resulting in chronic illness.

Dog walking may improve long-term physical activity by improving readiness and physical function.

RESEARCH QUESTIONS

· To what extent do older adults in a dog walking group have better physical function, physical activity, and weight loss than those in a human companion walking group or a no-treatment control group?

• What are the participants' perceptions of the walking program (dog or human companion)?

DESIGN & PARTICIPANTS

- Three-group, repeated measures design
- Adults over the age of 65
- Health care provider gave assentFitted with walking shoes
- 12-week / 5 days per week walking program

Three retirement facilities served as recruitment sites for:

- Shelter Dog Companion (SDC) walking group came to the shelter to walk (matched with dog for walking ability).
- Human Companion (HC) walking group walked around
- their facility.
- No-treatment control group maintained usual activity.

DATA ANALYSIS

*Wilcoxon Signed Rank Sum test using a 0.05 level of determining significance of findings.





1, 2, 3 Shelter Dog Companion Walking Group







SAMPLE DESCRIPTION

Variable		Shelter Dog Companion Walking Group N=12	Human Companion Walking Group N=23	Control N=19
Age (years)	Range	74 - 87	67 - 97	78 - 92
	Mean	82	86	86
Gender	Males	3	6	5
	Females	9	17	14
Race	Caucasian	10	23	16
	African Am.	1	0	0
	Native Am.	1	0	3
Marital Status	Married	2	10	6
	Widowed	9	12	11
	Divorced	1	0	0
	Never Married	0	1	2
Education	No High School	1	2	0
	High School	1	2	8
	Some College	3	7	7
	Bachelor's Degree	2	5	3
	Graduate Work	5	7	1
Number of Children	None One –Four Five and more	0 11 1	3 19 1	3 14 2
Pet	Pet owner	3	2	2
ownership	Non pet owner	9	21	17



273.1

adiness to exercise or more days per week for the last 1-5 months

OVERALL FINDINGS

•SDC walking group had significantly improved walking speed.

- Both walking groups became competitive with their walking times & distances.
- SDC group expressed an affinity for & a bond with the shelter dogs that they walked. • Given the added challenge of walking a dog on a lead, SDC
- group believed that their balance & walking confidence improved.
- HC group sometimes discouraged others from walking.
 No significant differences in weight over time.

PARTICIPANT RESPONSES

eneral Comments:

- "I have benefited from this program and will continue to walk several times each week, having taken part and reporting to someone gave me some discipline for a good habit." "I would get up ready to go. I would wonder which dog I would have. The thing that was the hardest was the extreme heat. All the assistants were very good and I enjoyed all of

- he Best Part:
- "The exercise itself. My physical energy has improved. My legs have been strengthened and I think I just feel better. My enthusiasm for exercise has been increased."
- Getting to walk with the dogs
- 'Helped me to change my thinking about dogs."
- he Worst Part:
- The heat and humidity and getting up to walk--- I like to sleep in!"
- 'Having a different dog everyday as you could not get adapted to your dog." 'Cancelled on because of weather. "
- "I truly can not think of a worst part."

PHYSICAL ACTIVITY FINDINGS

3 67

2 – 8

Store and	POST 12 weeks	Mean	5.25		
	6 minute walk (yards) PRE	Range Mean	153 - 420 279.3		
	6 minute walk (yards) 6 weeks	Range Mean	218 - 497 369		
on for the	6 minute walk _(yards) 12 weeks	Range Mean Increase	212 - 567 356.4 =28% p=0.012		
on walking group	Physical Activity Stage of Change – Higher scores mean Level 4: I'm doing vigorous exercise less than 3 times per or moderate exercise less than 5 times per week. Level 5: I've been doing 30 minutes a day of moderate ex				

Variable