AWARD NUMBER: W81XWH-17-1-0326

TITLE: Practice of Acceptance, Awareness, and Compassion in Caregiving (PAACC)

PRINCIPAL INVESTIGATOR: Mamta Sapra, MD

CONTRACTING ORGANIZATION: Salem Research Institute

Salem VA 24153

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compassion in caregivers are urgent	y needed. The purpose of this study is to evaluate and Compassion in Caregiving (PAACC) that inte	the effectiveness of proposed intervention,	
caregiving skills training. Several studies have shown effectiveness of mindfulness in decreasing caregiver burden in caregivers			
of individuals with cognitive deficits, but most of them did not provide caregiving skills training with mindfulness. Our study hypothesis is that intervention such as PAACC which combines education, skill building, and mindfulness practices will enhance			
caregiving skills and will reduce caregiver stress as well as increase quality of life of the care recipient. The objective of the			
study will be accomplished by condu	acting a randomized control trial to test effectivened	ess of PAACC and compare it with	
	tervention called Resources for Enhancing Alzhei		
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15. SUBJECT TERMS Dementia, caregivers, mindfulness, compassion, clinical trial, intervention					
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2. INTRODUCTION:

Caregiving for individuals with Alzheimer's disease and related dementias (ADRD) and Traumatic Brain Injury-related dementia has been associated with increased risk of both psychiatric morbidity and mortality, including higher risks of depression, anxiety, poor quality of life, and even early mortality. Although there are several beneficial interventions for caregivers of persons with AD, interventions that can help build skills to recognize and manage stress as well as enhance compassion in caregivers are urgently needed. The purpose of this study is to evaluate the effectiveness of proposed intervention, Practice of Acceptance, Awareness, and Compassion in Caregiving (PAACC) that integrates mindfulness training with caregiving skills training. Several studies have shown effectiveness of mindfulness in decreasing caregiver burden in caregivers of individuals with cognitive deficits, but most of them did not provide caregiving skills training with mindfulness. Our study hypothesis is that intervention such as PAACC which combines education, skill building, and mindfulness practices will enhance caregiving skills and will reduce caregiver stress as well as increase quality of life of the care recipient. The objective of the study will be accomplished by conducting a randomized control trial to test effectiveness of PAACC and compare it with existing cognitive behavior based intervention called Resources for Enhancing Alzheimer's Caregiver Health (REACH).

3. KEYWORDS:

Dementia, caregivers, mindfulness, compassion, clinical trial, intervention

4. ACCOMPLISHMENTS

What were the major goals of the project?

The primary aims of the project are:

Aim 1: To evaluate the effectiveness of mindfulness-based caregiver intervention (PAACC) that also includes dementia care skill- building components.

Aim 2: To evaluate the effectiveness of PAACC compared to an established dementia caregiver intervention (REACH-VA) in improving caregiver burden and quality of life of the care recipient.

The first major task listed for these goals in SOW for year 1 are hire and train study personnel, obtain regulatory approval at both sites (VA Salem and VA Boston). The second major task is to start and continue recruitment and implementation of both interventions. The Major task for year 2 is ongoing continued recruitment for the trial.

What was accomplished under these goals?

Below we describe our project milestones for Year 1 and Year 2

	1	
Human Subject Proposals to IRB for	Completed	The project has been approved by
Salem and Boston VA sites		Veteran Affairs Central Institution
		Review Board for Salem and Boston
		VA sites. Regulatory approval has
		been completed and received from
		DoD Human Research Protection
		Office. Local Research and
		Development Committee approval
		obtained at both sites. Annual
		continuing review approvals
		obtained for both sites as well from
		Central Institutional Review Board.
Developed guidelines with defined	Completed	Guidelines have been created.
roles for all members of the study		Weekly telephone meetings with the
team		team are being conducted.
Assessment instruments	Completed	All assessment instruments have
		been gathered and have been
		programmed in Redcap.
Intervention Manuals with written	Completed	Intervention manuals and Caregiver
instructions for administering the		notebook has been created and 100
treatment protocol		copies have been made. Audio-CDs
		for the mindfulness scripts have also
		been created and 100 copies have
		been created.
Hire Research Assistants at Salem	Completed	Research Assistants have been hired
and Boston VA sites		and trained at both Salem and
		Boston site.
Recruit 76 participants at Salem, VA	Ongoing/Incomplete	We have screened 34 participants at
and Boston, VA		Salem site. Out of 34, 1 screen
		failed, 33 randomized.
		Boston site has screened 14
		participants. Out of 14, 5
		participants screen failed, and 9 have
		been randomized.

At the Salem VA site, ongoing recruitment continues. Prescreening continues and we have several potentially eligible caregivers who have expressed interest in the study. We are also working on submission and approval for possible radio advertisement for the trial. We continue to reach out to different clinics including various primary care clinics, mental health clinics and gero-psychology clinics.

What opportunities for training and professional development has the project provided?

Nothing to Report

How were the results disseminated to communities of interest?

Nothing to Report

What do you plan to do during the next reporting period to accomplish the goals?

We will continue to recruit aggressively at VA medical center, Salem Virginia and Boston VA. We are working on increasing out recruitment efforts at both sites through approvals for advertisement of the study at different clinics as well as radio advertisement. The PI is working with local site investigator at Boston site to remove any barriers and increase recruitment numbers.

4.

What was the impact on the development of the principal discipline(s) of the project?

Nothing to Report

What was the impact on other disciplines?

Nothing to Report

What was the impact on technology transfer?

Nothing to Report

What was the impact on society beyond science and technology?

Nothing to Report

5. CHANGES/PROBLEMS

Nothing to Report

Actual or anticipated problems or delays and actions or plans to resolve them

No specific problems at this time except much slower pace of recruitment at Boston site. We are behind our target recruitment numbers and are actively working on improving those. The action plan is to continue to share information about the study with more clinics and staff at both sites. Also working on different methods of advertisement about the study after obtaining appropriate Central Institutional review Board approvals. This includes radio advertisement, approval for flyers to be mailed to caregivers, expand recruitment to clinics at different campus of Boston VA.

The PI is planning to go to National Research Summit on Dementia care, Caregiving and Services.

Changes that had a significant impact on expenditures

Delays in regulatory approval and delay in initiation of the study has had impact on difference between planned and actual expenditure. Delays in hiring at Boston has had impact on spending at Boston VA site. The study team is now focused on continued recruitment to meet our target numbers.

Significant changes in use or care of human subjects, vertebrate animals, biohazards, and/or select agents		
Significant changes in use or care of human subjects		
Nothing to Report		
Significant changes in use or care of vertebrate animals		
Nothing to Report		
Significant changes in use of biohazards and/or select agents		
Nothing to Report		
6. PRODUCTS: Publications, conference papers, and presentations Journal publications		
Nothing to Report Books or other non-periodical, one-time publications		
Nothing to Report		
Other publications, conference papers and presentations		
A poster presentation on qualitative data so far is planned for upcoming annual Gerontological Society of America meeting is planned in November in Texas.		
Website(s) or other Internet site(s)		
Nothing to Report		
Technologies or techniques		
Nothing to Report		
Inventions, patent applications, and/or licenses		
Nothing to Report		

Other Products

Nothing to Report

7. PARTICIPANTS & OTHER COLLABORATING ORGANIZATIONS

What individuals have worked on the project?

Name: Mamta Sapra

Project Role: PI Researcher Identifier (e.g. ORCID ID): Nearest person month worked: 2

Contribution to Project: Dr. Sapra is the study PI

Funding Support: Dr. Sapra's salary is supported by Veteran Affairs Medical

Center. Dr. Sapra is full time VA employee

Name: M. Lindsey Jacobs

Project Role: Local Site Investigator (Boston)

Researcher Identifier (e.g. ORCID ID): Nearest person month worked: 1

Contribution to Project: Dr. Jacobs is the study LSI for Boston VA site.
Funding Support: Dr. Jacobs 's salary is supported by Veteran Affairs

Medical Center. Dr. Jacobs is full time VA employee.

Name: Tonda Yates

Project Role: Research Coordinator

Researcher Identifier (e.g. ORCID ID): Nearest person month worked: 4

Contribution to Project: IRB and regulatory coordination, support in team

communication, logistics, manage and help with recruitment,

scheduling.

Funding Support:

Has there been a change in the active other support of the PD/PI(s) or senior/key personnel since the last reporting period?

Nothing	to	Re	port

What other organizations were involved as partners?

Nothing to Report

8. SPECIAL REPORTING REQUIREMENTS See included Quad Chart

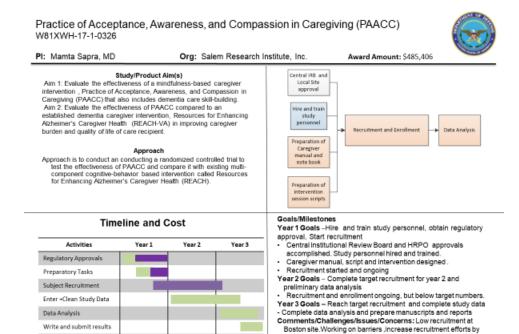
9. APPENDICES: See attached Quad chart

Estimated Budget (\$k)

Updated: 10/30/2019

\$142.9

\$179.5



\$162.9

local Boston site team.

Actual Budget Expenditure till 10/30/2019:\$156,394.15