

AWARD NUMBER: W81XWH-15-1-0032

**TITLE: Effectiveness of a Driving Intervention on Safe Community Mobility
for Returning Combat Veterans**

PRINCIPAL INVESTIGATOR: Sherrilene Classen, PhD, MPH, OTR/L, FAOTA, FGSA

CONTRACTING ORGANIZATION: University of Florida, Gainesville, FL

REPORT DATE: July 2022

TYPE OF REPORT: FINAL

**PREPARED FOR: U.S. Army Medical Research and Development Command
Fort Detrick, Maryland 21702-5012**

**DISTRIBUTION STATEMENT: Approved for Public Release;
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REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

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1. REPORT DATE July 2022			2. REPORT TYPE Final			3. DATES COVERED 15Apr2015-14Apr2022			
4. TITLE AND SUBTITLE Effectiveness of a Driving Intervention on Safe Community Mobility for Returning Combat Veterans						5a. CONTRACT NUMBER W81XWH-15-1-0032			
						5b. GRANT NUMBER JW140063			
						5c. PROGRAM ELEMENT NUMBER			
6. AUTHOR(S) Sandra M. Winter, PhD, OTR/L Sherrilene Classen, PhD, MPH, OTR/L, FAOTA, FGSA E-Mail:smwinter@php.ufl.edu						5d. PROJECT NUMBER			
						5e. TASK NUMBER			
						5f. WORK UNIT NUMBER			
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) University of Florida 207 GRINTER HALL GAINESVILLE FL 32611						8. PERFORMING ORGANIZATION REPORT NUMBER			
9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES) U.S. Army Medical Research and Development Command Fort Detrick, Maryland 21702-5012						10. SPONSOR/MONITOR'S ACRONYM(S)			
						11. SPONSOR/MONITOR'S REPORT NUMBER(S)			
12. DISTRIBUTION / AVAILABILITY STATEMENT Approved for Public Release; Distribution Unlimited									
13. SUPPLEMENTARY NOTES									
14. ABSTRACT Veterans have an elevated crash risk post-deployment facing un-intentional injury or death. Our intervention addressed Veteran driving risk post-deployment with a multi-factorial approach. To address risk factors faced by Veterans intervention development considered co-occurring effects of TBI/ PTSD/ other blast related injuries and the impact of deployment experiences/exposures on driving. The intervention provided critical information on the combat veterans' driving fitness, impact of medical and psychological conditions on driving, and driving rehabilitation needs. A goal of effective driving interventions is to reduce driving errors and impact real-world driving (violations, citations and crashes). Secondary goals of promoting driving fitness include supporting key areas of community re-integration such as family functioning, employment, societal participation, and satisfaction with life. Feasibility of our intervention was tested in prior work, and early data suggest efficacy of the OT-DI for combat veterans with mild TBI, PTSD, and/or orthopedic conditions. Analysis of outcomes from the effectiveness study (manuscript under submission) validated earlier findings – that both groups (OT-DI and a control of traffic safety education) benefitted from intervention with a reduction of driving errors (measured via simulated driving evaluation) – but the effect was greater for the OT-DI group. Findings also indicated an impact on real world outcomes – with reductions in violations, citations, and crashes based on state department of motor vehicle records.									
15. SUBJECT TERMS None listed.									
16. SECURITY CLASSIFICATION OF:						17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON	
a. REPORT Unclassified		b. ABSTRACT Unclassified		c. THIS PAGE Unclassified		Unclassified	19	USAMRDC	
19b. TELEPHONE NUMBER (include area code)									

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1. INTRODUCTION:

This study addressed driving risk faced by Veterans post-deployment due to the increased crash risk of Veterans from Iraq and Afghanistan conflicts. In a clinical trial, we examined the effectiveness of traffic safety education vs. an occupational therapy driving intervention using a high-fidelity simulator. Two desired outcomes of intervention were reduced driving errors as measured on the simulator; and changes in real-world driving measured by violations, citations, and crashes.

2. KEYWORDS:

Injury Prevention, Occupational Therapy, Simulation, Randomized Clinical Trial, Intervention, Driving, Rehabilitation

3. ACCOMPLISHMENTS:

What were the major goals of the project?

Hypothesis and Overall Objective: We will discern if an *OT-DI* is effective, i.e. does it improve fitness to drive abilities and result in reduced driving errors over the short term (post intervention) and intermediate term (3 months post), and impact real-world driving.

Specific Aim 1. Enhance the OT-DI with development of targeted simulator drives addressing CV driving triggers and assess user satisfaction (n=30). Significance - Simulator drives addressing newly identified triggers of CVs' risky driving behavior will enhance the fidelity of simulator scenarios.

Specific Aim 2. Evaluate group differences among the OT-DI group and the traffic safety education group measuring at baseline, post-intervention and three months post-intervention: (a) the type and number of driving errors made on a simulator, (b) CV and caregiver rating of driver difficulty, and (c) archival records, i.e. state-recorded violations, citations, and crashes. Significance - We will determine the impact of the OT-DI and traffic safety education on reducing driving errors, improving driving fitness, and potentially real-world outcomes of violations, citations, and crashes.

Specific Aim 3. Determine effectiveness of the OT-DI, specifically addressing the impact of the OT-DI vs. traffic safety education in reduction of total driving errors and critical driving errors such as speeding measured during simulated driving. Significance - Critical errors made by CV such as speeding are understudied, and there is no published data to examine the effectiveness of a driving intervention for the CV population.

Specific Aim 4. Examine the impact of the OT-DI and traffic safety education on real-world driving in a sub-set of CVs (n=30) using on-road testing. Significance - On-road testing provides the opportunity to compare CV's simulated driving performance to performance in a more naturalistic environment.

What was accomplished under these goals?

* Publications with in-depth data and figures are included in Appendix B.

SA1 Accomplishments - Targeted drives were developed DriveSafety. Four additional drives were created to not only add the element of closed or boxed in spaces (as requested by our Veterans participating in the prior efficacy study) but also to ensure a randomization of the trigger events each time the participants were tested in the simulator (Baseline, post-test 1 and post-test 2).

Drives were implemented with no reported difficulties. Veteran participants engaged well in the simulation and the drive scenarios elicited behavior similar to the difficulties our participants reported in real-world environments.

SA2 Accomplishments - Study is ending with 55 Veterans enrolled in the study and 27 of those participants have completed the full intervention through post-test two. Each participants was seen for 5 sessions which occur over a six month period. Results indicate both arms of the study, occupational therapy driving intervention and traffic safety education benefitted, however the benefit to OT-DI group was greater in terms of reduced driving errors measured in simulator (Classen et al., 2017). Archival records analysis (state record of violations, citations and crashes) is complete and under review for publication.

SA3 Accomplishments - Block 6 randomization was used to assign Veterans to either the OT-DI or TSE arms. Traffic Safety Education (TSE) was re-developed for this study (enhanced from TSE offered in prior study) examining equipoise of intervention, quality, and implementation feasibility. Our process for the TSE selection and implementation was published in Occupational Therapy Journal of Research "OTJR: Occupation, Participation and Health". During this grant period – among other manuscripts- we published a case study addressing utility and efficacy (Classen et. al., 2014), an interim analysis (Classen et al., 2017), and the effectiveness manuscript was revised and re-submitted in August 2022. Overall, our data supports effectiveness of the Occupational Therapy Driving Intervention. Additionally, based on those findings, we were funded to study alternate delivery forms for the intervention through Veterans Affairs Office of Rural Health.

SA4 Accomplishments - Our focus was on Aims 1-3, but Dr. King and Mary Jeghers were both trained on the standardized road course. Maintaining this Aim as part of study protocol and in our ICF would have allowed us to complete an on-road evaluation with a participant, if medical monitor recommended as an appropriate step to ensure the Veteran's driving safety.

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

Training activities included support for Graduate Research Assistantships for 6 students at the PhD level – 2 of whom completed their PhD (Yarney-Engineering; Jeghers – Rehabilitation Science). Also at the graduate level we had one Occupational Therapy Doctoral student and one Masters in Occupational Therapy student (both continued training after Bachelor in Health Science Honors thesis work and were able to participate in dissemination through publishing and presenting with team). Four students completed their Honors thesis projects with the team after one year of mentoring. One student pursuing a B.S. in Psychology was a Research Assistant. Professional development activities included presentations / short courses and a full-day workshop and state and national conferences focused on occupational therapists and driver rehabilitation specialists.

how the results were disseminated to communities of interest.

In addition to the publications and presentations described above, we conducted extensive outreach to communities of interest in South Georgia and North Florida through the VA and through community organizations serving Veterans. In this outreach we described the importance of recognizing post-deployment driving difficulty and the potential benefits of participation in driver rehabilitation including a simulator-based occupational therapy driving intervention

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

Nothing to Report

4. IMPACT:

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

We have been successful at dissemination of a protocol for use of the simulator as a rehabilitation tool for veterans experiencing driving difficulty. In addition to articles, and a book chapter – we have presented at national conferences including those devoted to driving rehabilitation – and our work has been cited in multiple occupational therapy and rehabilitation journals.

What was the impact on other disciplines?

Several disciplines that engage in community reintegration of veterans benefit as our work complements work they are engaged with to address driving difficulty. These disciplines include but are not limited to psychology, social work, and community service coordinators. Our work also intersects with work done by VA researchers on unintentional injury and prevention. Our work has been cited in publications from mental and behavioral health, public health, traffic safety, injury prevention, social work, rehabilitation counseling, engineering, virtual reality, neurology, neuropsychology, and community reintegration among others.

What was the impact on technology transfer?

The newly created simulator drive content is Veteran-centric, addressing driving difficulties unique to this population. Development of this content now makes it available to multiple military and VA sites using the DriveSafety simulators for rehabilitation. New this year, this visual training program has evolved into an application called Drive Focus, with early research demonstrating benefits of app use for enhancing driving fitness. Drive Focus was used as part of community based intervention on driving and community mobility funded by the VA Office of Rural Health through the new VA Veterans Rural Health Resource Center – Gainesville.

What was the impact on society beyond science and technology?

Intervention goals were to improve driving fitness, reduce driving errors and have a real-world impact on driving violations, citations, and crashes. While based on a small sample, and not generalizable, our analysis of violations, citations, crashes pre- and post-deployment did show a reduction in violations and citations, particularly for speeding. Analyses also showed that Veterans participating in the control intervention, traffic safety education, also experienced benefits, but to a lesser extent than Veterans receiving the Occupational Therapy Driving Intervention.

5. CHANGES/PROBLEMS:

Changes in approach and reasons for change

Nothing to Report

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

Conduct of the study faced three main challenges – all listed in prior reports along with team actions.

- 1) Lengthy IRB approval - required consistent communication and requests for portions of IRB/ VA approval.
- 2) Recruitment - Initial estimates for Veteran recruitment were high – number was adjusted with DOD input mid-study and specific team members assigned solely to recruitment.
- 3) Covid- related challenges. We had a lengthy study freeze during year 6 following which we were able to resume research with Covid-safety precautions. Based on the freeze we petitioned and received a Year 7 NCE.

Changes that had a significant impact on expenditures

The initial IRB approval delay led to delays in hiring staff and lower expenditures in first three years.

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.

* Federal support acknowledged on all publications

Manuscripts under review:

Classen, S., Wandenkolk, I., Stetten, I., & Mason, J. (Submitted June 1, 2022).
Simulated driving errors as indicators of real-world driving events in returning
combat veterans. *OTJR: Occupation, Participation and Health*. IF=1.768

Publications:

Winter, S. M., Caldwell, K., Brumback, B., Jeghers, M. & Classen, S. (2021). Fidelity
of a Traffic Safety Education Intervention for Combat Veterans. *Occupational
Therapy in Healthcare*, (35) 2, 1-17. DOI: 10.1080/07380577.2021.1923106.
IF=0.530

Winter, S., Jeghers, M., Reid, E., McGowan, C., Young, M. E., & Classen, S. (2020).
Driving outside the wire: Examining factors impacting Veterans' post-
deployment driving. *OTJR: Occupation, Participation and Health*. doi:
10.1177/1539449220914533. IF=2.200

Classen, S., Winter, S., Szafranski, E., McGowan, C., Levy, C., Monahan, M., Yarney,
A. Grounded theory focus group findings in combat veterans with driving
performance issues (2017). *American Journal of Occupational Therapy*;
71(4_Supplement_1):7111515221p1-7111515221p1. doi:
10.5014/ajot.2017.71S1-PO2052. IF=1.790

Classen, S., Winter, S.M., Monahan, M., Lutz, A., Platek, K., & Yarney, A. (2017).
Driving intervention for returning combat veterans: Interim analysis of a
randomized controlled trial. *OTJR: Occupation, Participation and Health*,
37(2), 62-71. doi:10.1177/1539449216675582

Publications (continued)

Winter, S. M., Sursky, S., Classen, S., Yarney, A., Monahan, M., Platek, K., Lutz, A. L., Levy, C. (2016). Intermediate term effects of an occupational therapy driving intervention for combat veterans. *American Journal of Occupational Therapy*,70(4_Supplement_1):7011515253p1.

Winter, S. M., Szafranski, E., Classen, S., Yarney, A., Monahan, M., Platek, K., Lutz, A. L., Levy, C. (2016). Combat veterans' strategies to manage risky driving and preferences for driving intervention. *American Journal of Occupational Therapy*,70(4_Supplement_1):7011515253p1.

Classen, S., Yarney, A. K. A., Monahan, M., Winter, S. M., Platek, K., & Lutz, A. L. (2015). Rater reliability to assess driving errors in a driving simulator. *Advances in Transportation Studies, an International Journal*.

Books or other non-periodical, one-time publications.

Classen, S., & Winter, S.M. (2017). Chapter 16. Driving simulation for returning combat veterans (pp. 187-199). In S. Classen (Ed.), *Driving Simulation for Assessment, Intervention, and Training: A Guide for Occupational Therapy and Health Care Professionals*. Bethesda, MD: AOTA Press

Other publications, conference papers and presentations.

Classen, S., Winter, S.M., & Monahan, M. Seminar: The Efficacy of an OT Driving Intervention for Combat Veterans with mild TBI, PTSD and Orthopedic Conditions. 38th annual Association for Driving Rehabilitation Specialists (ADED) Annual Conference and Exhibits. Buffalo, NY. 3-5 August 2014

Classen, S., Winter, S. M., Jeghers, M., & Caldwell, K. Workshop. Mixed-Methods Approach to Develop an Occupational Therapy Driving Intervention for Returning Combat Veterans. Florida Occupational Therapy Association Conference, Orlando, Florida. 3-4 November 2017

The team is also accepted to present a short course at the American Occupational Therapy Association annual conference in April 2023.

- **Website(s) or other Internet site(s)**

- | |
|-------------------|
| Nothing to Report |
|-------------------|

Software: Two simulator drives (tailored content for a veteran-centric intervention) were developed by DriveSafety (simulator manufacturer).

- **Inventions, patent applications, and/or licenses**

Nothing to Report

- **Other Products**

Trainees' theses:

1. Kasey Clark. BHS (2019). Comparative Case-Study Analysis: Examining Driving Error Differences among Male and Female Veterans Post-deployment. (Winter- faculty mentor).
2. Katelynn Caldwell. BHS (2018). Fidelity of a traffic safety education for returning combat veterans. (Winter- faculty mentor).
3. Stephanie Diaz. BHS (2017). Driving performance differences between combat veterans with mTBI or orthopedic injuries. (Winter- faculty mentor).
4. Amanda Marcinko. BHS (2017). Correlation between proxy ratings and veteran's driving performance errors. (Winter- faculty mentor).
5. Kayla Miller. BHS (2016). Community integration among combat veterans enrolled in a driving intervention. (Winter- faculty mentor).
6. Emily Szafranski. BHS (2015). Understanding combat veterans perspectives on strategies to manage unsafe driving and preferences for driving intervention. (Winter- faculty mentor).
7. Stephanie Sursky. BHS (2015). Intermediate-term effects of an occupational therapy driving intervention for combat veterans. (Winter- academic supervisor and faculty mentor; Classen-project mentor).
8. Cassandra McGowan. BHS (2014). Combat veterans' perspectives on driving strategies to curtail unsafe driving. (Winter- academic supervisor and faculty mentor; Classen- project mentor).
9. Nicole Cormack. BHS (2014). The efficacy of an occupational therapy driving intervention for returning Operation Iraqi Freedom and Operation Enduring Freedom combat veterans with polytrauma. (Winter- academic supervisor and faculty mentor; Classen- project mentor).

7. PARTICIPANTS & OTHER COLLABORATING ORGANIZATIONS

What individuals have worked on the project?

Name: Sherrilene Classen, PhD, MPH, OTR/L, FAOTA, FGSA

Project Role: PI

Researcher Identifier (e.g., ORCID ID): 0000-0002-0927-0344

Nearest person month worked: 3

Contribution to Project: Dr. Classen contributed her expertise in clinical trials, guiding study design and implementation, and planning and overseeing the analyses in conjunction with the PI, the biostatistician and co-investigators. Dr. Classen contributed extensively to the development of manuscripts, the submission of presentations, dissemination of findings, and development of future proposals to extend the work.

Funding Support at end of grant: Detailed below

NIH (NCMRR) K-12 (Ottenbacher)

Total Award:	09/01/2017	–	<u>Cost-</u>
x 5 years)	08/31/2022		<u>Share</u>
			<u>2%</u>

Project ID: 20-84217-13

Rehabilitation Research Career Development Programs (RRCDD)

Goal: The RRCDD educates and trains future rehabilitation scientists in occupational and physical therapy. **Role:** Associate Program Director, Executive Committee, University of Florida

***NIH (Ennis & Classen)**

Total Award (UF):	09/30/2020	–	<u>Effort</u>
	08/31/2022		<u>10%</u>

Project ID: 1R21DA048067-01A1

Title: Medical Marijuana Use and Driving Performance: A test of psychomotor functioning in adults 50 and older

Goal: Assessing the effect of medical marijuana on response time, attention and executive functions in older adults 50 years and older. **Role:** Co-PI

***NIDILRR (Classen)**

Total Award: 09/01/2020 – 08/30/2023 Effort 10%

Project ID: 90IFRE0035

Title: Driving Performance of People with Parkinson's using Autonomous Vehicle Technologies

Goal: Improve the driving performance of drivers with PD via the use of in-vehicle technologies. **Role:** PI

What individuals have worked on the project? (continued)

Funding Support – Classen, S. continued

***North Florida/ South Georgia Region Veterans Administration (Classen)**

Total Award: 07/01/2021– 12/31/2022 Effort 20%

Title: Promoting Veteran Centric Rural Transportation Options via Automated Shuttle Exposure **Goal:** To quantify, qualify, and integrate rural Veterans' acceptance and adoption perceptions pertaining to automated vehicle technologies—and inform future planning and policy for ubiquitous accessible Veteran Transportation. **Role:** PI

***DOT/UF Transportation Institute (Classen)**

Total Award: 05/15/2021- 10/15/2022 Effort 9%

Project ID: AWD01573

Title: UF and UAB's Phase 2 Demonstration Study: Developing a Model to Support Transportation System Decisions considering the Experiences of Drivers of all Age Groups, and those with Disabilities, with Autonomous Vehicle Technology.

Goal: To build a predictive model of driver perceptions (all ages, and ability and disability levels) pertaining to autonomous vehicle technology. **Role:** PI

Name: Sandra Winter, PhD, OTR/L

Project Role: Co-I after March 2018

Researcher Identifier: orcid.org/0000-0002-0317-241X

Nearest person month worked: 39

Contribution to Project: Dr. Winter worked with Dr. Classen on project execution, team organization and research functions. She oversaw IRB submissions, collaborated with the project personnel, consultant(s), and the developer of the DriveSafety 250 driving simulator. She supervised the research coordinator, research therapist and research assistants, oversaw data collection, analysis and interpretation, and developed manuscripts, research presentations and reports. Dr. Winter was trained and was able to conduct either Traffic Safety Education or the Occupational Therapy Driving Intervention when needed to cover study sessions.

Funding Support: additional support from Florida Dept. of Transportation projects

Name: Charles Levy, MD

Project Role: Co-I

Researcher Identifier (e.g., ORCID ID):

Nearest person month worked: 3 (over years from 2014 to 2020 retirement)

Contribution to Project: Dr. Levy's functions as a co-investigator include assisting with recruitment, guiding interaction with VA partners, and educating the team on the rehabilitation needs of the returning combat Veterans. He will participate in recruitment of participants, interpretation of the results, outcome dissemination, and translation of study findings to VA health care settings.

Funding Support: Dr. Levy was a VA physician, whose salary (5% effort) was paid by VA.

What individuals have worked on the project? (continued)

Name: Abraham Yarney, M.E.
Project Role: WOC / dissemination co-author
Researcher Identifier (e.g., ORCID ID): N/A
Nearest person month worked: 22

Contribution to Project: Dr. Yarney's participation was primarily data analyses and data management. Dr. Yarney initiated the work on post-intervention real-world outcomes. He was highly involved in dissemination via manuscript submissions. He graduated from UF with his PhD in Engineering but continued to support team dissemination as a co-author.
Funding Support: N/A

Name: Mary Jeghers, MSOT, OTR/L
Project Role: Research Therapist /Graduate Research Assistant
Researcher Identifier (e.g., ORCID ID): N/A
Nearest person month worked: 3

Contribution to Project: Mary's primary role changed this year. Following completion of UF's Certificate Program in Driver Rehabilitation and team training, Mary assumed the Driver Rehabilitation Specialist role conducting all testing in the van and implementing the OT-DI. Secondary functions were dissemination and data management.
Funding Support: Additional project funded by Florida Department of Transportation

Name: Prerna Poojary, PhD, OTR/L
Project Role: Recruitment lead
Nearest person month worked: 2

Contribution to Project: Apply expertise from prior clinical study recruitment and coordination, community liaison with organizations.
Funding Support: N/A – balance of effort is teaching

Name: Isabelle Coppa-Wandenkolk
Project Role: Graduate research assistant
Nearest person month worked: 4.5

Contribution to Project: Isabelle is the primary RA for data entry and data management. Isabelle completed her VA WOC status, was added to the IRB, and trained to conduct Traffic Safety Education. She is working with Dr. Classen to analyze the data for a revision of the manuscript in development focused on real-world outcomes (violation, citation, and crash).
Funding Support: Additional project funded by VA – Office of Rural Health

Name: James Wersal, OTD, OTR/L, DRS

Project Role: Research Therapist/ Graduate Student

Nearest person month worked: 4

Contribution to Project: Dr. Wersal is an occupational therapist, a Driver Rehabilitation Specialist, a former Army Captain/ Army OT with combat experience. Dr. Wersal ended his graduate studies, but was a co-author on the Rater Reliability manuscript, and a number of presentations.

Funding Support: Additional project funded by VA – Office of Rural Health

Name: Dr. Luther King, OTD, OTR/L, DRS

Project Role: Research Therapist

Nearest person month worked: 31

Contribution to Project: Dr. King was the primary research therapist conducting the occupational therapy driving intervention for three years of the study. Dr. King also participated in dissemination via presentations and manuscript development.

Funding Support: N/A – balance of effort was teaching, and clinical services for UF's SmartDriver rehabilitation program.

Name: Shabnam Medhizadah, MS

Project Role: Graduate Research Assistant

Researcher Identifier (e.g., ORCID ID): N/A

Nearest person month worked: 3.5

Contribution to Project: Primary functions are preparation of study materials, screening participants, recruitment, and participant payment. Shabnam also participated in dissemination via presentations and manuscript development.

Funding Support: Additional project funded by Florida Department of Transportation

Name: Kasey Clark aka Kasey Rose Fenton

Project Role: Research Assistant / Other Personnel Services status

Researcher Identifier (e.g., ORCID ID): N/A

Nearest person month worked: 3.5

Contribution to Project: Primary functions are preparation of study materials for recruitment and testing, distribution of recruitment materials, and data entry. Kasey also participated in dissemination via presentations and manuscript development.

Funding Support: N/A

Name: Carlyn Ellison

Project Role: Graduate Research Assistant

Researcher Identifier (e.g., ORCID ID): N/A

Nearest person month worked: .5

Contribution to Project: Primary functions were to conduct Traffic Safety Education (substitute facilitator/proctor). Carlyn also participated in dissemination via presentations and manuscript development.

Funding Support: N/A

Name: Beth Gibson, OTR/L, CDRS

Project Role: Research Therapist

Nearest person month worked: 2

Contribution to Project: Beth Gibson was the supervising Certified Driver Rehabilitation Specialist for the last portion of the study while Ms. Mary Jeghers and Dr. Sandra Winter were in the field conducting the Occupational Therapy Driving Invention.

Funding Support: The majority of Ms. Gibson's support is from clinical work at UF's SmartDriver Rehabilitation program.

Name: Emily Pugh, MS, OTR/L

Project Role: Recruitment

Nearest person month worked: 1

Contribution to Project: Apply management and marketing expertise, assist team with recruitment strategies and outreach.

Funding support: Balance of Ms. Pugh's effort was teaching.

Additionally there were two sub-projects in early grant period:

Name: Michael Marsiske, PhD

Project Role: Co-investigator (during initial period)

Nearest person month worked: 2

Contribution to project: Grant design support, advise on methods and power analysis

Name: Babette Brumback, PhD

Project Role: Biostatistician

Nearest person month worked: 1

Contribution to project: Grant design support, advise on methods and power analysis

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

Project PI Dr. Sherrilene Classen had four grants that began in the last two years, each listed fully in the “Funding Support” section of #7 Participating Individuals above and marked with “*”.

What other organizations were involved as partners?

Organization Name: North Florida/South Georgia Veterans Health Service

Location of Organization: Gainesville, Florida

Partner’s contribution to the project:

Veterans Affairs is a collaborator on this study with involvement of and the North Florida/ South Georgia Veterans Health System and research centers including both the Center of Innovation on Disability and Rehabilitation Research- a VA Center of Innovation, and the VA Office of Rural Health Veterans’ Rural Health Resource Center/ Gainesville FL location. The VA provides infrastructure and support for the investigators, material resources such as the simulator, use of VA facilities for recruitment and testing, and research oversight. One study Co-investigator, Dr. Charles Levy, was the Chief of Physical Medicine and Rehabilitation at the Malcom Randall VAMC/ North Florida South Georgia VHA. Study medical monitor Dr. David FitzGerald was also from Malcom Randall VAMC/ North Florida South Georgia VHA

8. SPECIAL REPORTING REQUIREMENTS

COLLABORATIVE AWARDS:

QUAD CHARTS:

9. APPENDICES:

Appendix A: Products/Publications

Appendix B: CONSORT chart as of March 2022

Appendix A:

Publications:

- i. Classen, S., Monahan, M., Canonizado, M., & Winter, S.M. (2014). An Occupational Therapy Driving Intervention's Utility for a Combat Veteran. *American Journal of Occupational Therapy*, 68(4), 405-411. IF=1.790
- ii. Classen, S., Winter, S.M., Monahan, M., Lutz, A., Platek, K., & Yarney, A. (2017). Driving Intervention for Returning Combat Veterans: Interim Analysis of a Randomized Controlled Trial. *OTJR: Occupation, Participation and Health*, 37(2), 62-71. doi:10.1177/1539449216675582. IF=2.200
- iii. Winter, S., Jeghers, M., Reid, E., McGowan, C., Young, M. E., & Classen, S. (2020). Driving outside the wire: Examining factors impacting Veterans' post-deployment driving. *OTJR: Occupation, Participation and Health*. doi: 10.1177/1539449220914533. IF=2.200
- iv. Winter, S. M., Caldwell, K., Brumback, B., Jeghers, M. & Classen, S. (2021). Fidelity of a Traffic Safety Education Intervention for Combat Veterans. *Occupational Therapy in Healthcare*, (35) 2, 1-17. DOI: 10.1080/07380577.2021.1923106. IF=0.530