Award Number: W81XWH-16-2-0003

TITLE: Military Suicide Research Consortium: Extension to New Opportunities and Challenges

PRINCIPAL INVESTIGATOR: Thomas Joiner, Ph.D.

CONTRACTING ORGANIZATION: Florida State University
Tallahassee, Florida 32306-4301

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

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The views, opinions and/or findings contained in this report are those of the author(s) and should not be construed as an official Department of the Army position, policy or decision unless so designated by other documentation.
Year 1 included adding to the MSRC infrastructure to support dissemination & implementation, soliciting two rounds of research proposals, supporting two MSRC funded projects, overseeing scientific and programmatic review of proposals, and planning for additional projects. MSRC continues to provide training opportunities to future leaders in the field of military suicide research including through a joint MSRC-Army STARRS postdoctoral fellowship. The Florida State University staff continues to collaborate with the Denver site and seek guidance from its senior advisors and the Military External Advisory Board.
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**Introduction:**

The Military Suicide Research Consortium's (MSRC) continued goal is suicide prevention in the military, through research, including on primary, secondary, and tertiary interventions, as well as through information management/scientific communications (disseminating knowledge on military suicide). Specifically, suicidal personnel compromise force readiness, place a strain on the healthcare resources of the military, impact unit morale, and take a large emotional toll on the involved friends, family, and commanders. The stigma associated with being suicidal, which limits the extent to which at-risk individuals are willing to seek help, continues to be present and can be heightened by media focus. MSRC intends to progress in the development of its tools and funding new studies, it is now an established go-to resource for decision-makers to obtain accurate and efficient answers regarding suicidal behavior, with the continued emphasis on the military perspective. MSRC plans to facilitate information management/scientific communications for the DoD and to maximize research efforts at understanding and improving suicide risk screening and assessment, interventions, and population-level prevention programs. MSRC and its associates plan to increase their level of involvement and dissemination of information. MSRC continues to receive acknowledgement for its work and its contributions. MSRC has a main goal: expanding knowledge, understanding, and capacity to prevent, treat, and enhance the quality of life of persons in military communities who are affected by suicide-related problems.

**Keywords:**

Military, suicide, research, dissemination, prevention, intervention, assessment, training.

**Accomplishments:**

**What are the major goals of the project?**

1. Maintain situational readiness, research infrastructure, intellectual capacity, and institutional memory to ensure that the resources exist to meet future military suicide research needs as they change and develop.
2. Continuing to produce new scientific knowledge about suicidal behavior in the military.
3. Use high quality research methods and analyses to extend significant findings from studies completed in the first five years of MSRC.
4. Conduct after-action analyses of null findings from initial MSRC studies to determine whether interventions significantly affected other outcomes (e.g., mechanism variables covered by the Common Data Elements [CDE]).
5. Capitalize on the CDE (variables collected by all currently funded studies) to encourage rigorous secondary analyses, exploring rival mediators and mechanisms, and moving toward making the data available to the broader research community.
6. Build on the first five years of research conducted by the MSRC, by continuing to disseminate Consortium knowledge, information, and findings through a variety of methods appropriate for decision makers, practitioners, and others who are accountable for ensuring the mental health of military personnel.
(7) Train future leaders in military suicide research.

**What was accomplished under these goals?**

**Consortium Specific Aim 1:** Maintain situational readiness, research infrastructure, intellectual capacity, and institutional memory to ensure that the resources exist to meet future military suicide research needs as they change and develop.

**Major Task 1: Implement plan for revised infrastructure**

**Subtask 1: Create infrastructure for Core D**
- D&I Core staff have been hired and trained.
- The Core D team revised Dissemination and Implementation (D&I) Standard Operating Procedures based on discussions and conclusions from the MSRC IPR meeting held in July 2016. SOPs for Core D are maintained in MSRC’s online software system, Basecamp, where we can best link and communicate about this type of information.
- Core D developed templates for tracking all MSRC 1.0 studies including summaries, dissemination steps, and completed products. Currently in the process of building an Access database to track these studies, associated publications, etc.
- In June 2016, Dr. Comtois had a meeting with various DoD staff. Sharmila Chari coordinated the meeting with LTC McGurk, Dr. Kate Nassauer, and Capt Mike Colston (director of DCoE) to discuss the mission of Core D. Dr. Comtois will work tightly with DCoE and DISPO.

**Subtask 2: Consortium Start-up**
- The legal review was completed and an official start date was given for March 31st, 2016. For internal meetings we are referring to this as MSRC 2.0.
- A kick-off conference call was held on April 22, 2016 with the Military Operational Medicine Research Program (MOMRP) and MSRC staff.
- The MSRC continues to respond to queries from decision makers and others with speed and efficiency.
- The MSRC is fully staffed and all training is up to date.
- Core B, research staff in Denver, continue to monitor listservs for military suicide research. The MSRC also responded to multiple media inquiries, general inquiries, CDE data requests, membership request, and funding requests made through the MSRC website portal.
- The Consortium standard operating procedures have been approved by the MOMRP grant representative.
- The Common Data Elements (CDE) have been revised and are ready for use by funded investigators. MSRC leadership decided to require funded investigators to upload all data collected, not just the CDE’s as in the past. The decision was also made to strongly encourage funded PIs to adopt the NIH PhenX measures for suicide research as relevant to their individual studies.
Subtask 3: Attend meetings (annual MSRC, MSRC IPR, MEAB, and DoD IPR) and submit reports (annual and quarterly)

- The MSRC IPR meeting was held on 07/08/16 with representatives from MOMRP, DSPO and DCoE in attendance.
- The MSRC annual meeting was held in Tallahassee, Florida on November 15-16, 2016.
- The first MSRC MEAB meeting was held on December 13, 2016 at Ft. Detrick. Staff from Core A, Core C, and Core D were in attendance.
- The next MSRC annual meeting is scheduled for one day on Monday, September 18, 2017. It will be held in Detrick, MA. This will support greater attendance and participation of MOMRP staff located at Fort Detrick.
- The first, second, and third quarterly reports were submitted to MOMRP complete and on time.

Subtask 4: Prepare MEAB and scientific review functions

- Ten investigators were invited to present proposals at the first MEAB meeting on 13 December 2016. The MEAB recommended funding two studies: “Project Safe Guard”/PI: Anestis with modifications; and “Efficacy of a Computerized Cognitive Behavioral Treatment for Insomnia: Increasing Access to Insomnia Treatment to Decrease Suicide Risk”/PI: Nazem with modifications. The MEAB also recommended the following study be revised to include a pilot feasibility study of Phase I only, with a military sample and resubmitted with the next RFP: “Evaluating a Novel Risk-Detection and Treatment Deployment Platform”/PI: Nock.
- The Next MEAB Meeting is scheduled for September 19, 2017. Prior to the meeting, the MSRC will provide the MEAB with proposals that have been reviewed by the Independent Scientific Peer Review Panel (ISPRP) that are of interest to the MSRC to fund. The MEAB will make recommendations regarding which proposals should be invited to present at the meeting.
- Core A staff worked with AAS to update the review criteria and standard operating procedures for the ISPRP. This should improve the quality and reliability of the independent scientific reviews.

The following milestones were achieved in Year 1:

- Infrastructure Updated
- Meetings Attended
- Reports Submitted
- Review functions defined and in place

Consortium Specific Aim 2: Continuing to produce new scientific knowledge about suicidal behavior in the military.

Major Task 2: Refine & Develop research priorities

Subtask 1: Plan research projects

- The research priority for the first round of funding was clinical trials.
- The second targeted RFP includes clinical trials as well as other areas of research to include screening and risk assessment, prevention, postvention, and basic research.
The PIs submitting were instructed to focus on active military populations and have a budget cap of $1.5M.

- The second RFP also includes secondary data analyses of the CDEs. We anticipate funding approximately four secondary data analysis projects with a budget cap of $150,000 per project. In addition, longitudinal analyses from successful studies of the previous MSRC grant were targeted and will be reviewed for up to $150,000 per project.
- Drs. Gutierrez and Joiner continue to participate in monthly Study to Assess Risk & Resilience in Servicemembers – Longitudinal Study (STARRS-LS) PI conference calls. This is a joint collaboration to establish research priorities for the RFPs. One high priority is intervention targets identified in the STARRS-LS study.

**Subtask 2: Identify research teams**

- The first RFP was disseminated to 24 different listservs, groups, and institutions. A total of 68 LOIs were received from 49 different institutions. Thirteen were declined due to late submission, duplicates, or not meeting the required clinical research definition. Drs. Gutierrez and Joiner each reviewed 31 LOIs, including 7 that were selected for review by both to ensure interrater reliability. Drs. Gutierrez and Joiner also consulted with members of STARRS-LS team to establish research priorities. Twenty-nine investigators were invited to submit full proposals. After review by the AAS ISPRP, 10 investigators were invited to present at the MEAB meeting on 13 December 2016. The MEAB recommended two studies: “Project Safe Guard”/PI: Anestis with modifications; and “Efficacy of a Computerized Cognitive Behavioral Treatment for Insomnia: Increasing Access to Insomnia Treatment to Decrease Suicide Risk”/PI: Nazem with modifications. The MEAB also recommended the following study be revised to include a pilot feasibility study of Phase I only, with a military sample and resubmitted with the next RFP: “Evaluating a Novel Risk-Detection and Treatment Deployment Platform”/PI: Nock.
- Subawards are pending for the two funded studies. Project Safe Guard has received IRB approval and is currently under review at HRPO.

**Subtask 3: Consult with funded MSRC applicants to develop D&I plans for their research proposals that are feasible and relevant to military settings and populations**

- Core D provided consultation to 3 applicants on development of dissemination products such as toolkits, policy recommendations, or training plans.

**Subtask 4: Determine gaps in implementation science research and methods relevant to military populations**

- Core D continues to review D&I plans for the MSRC Research Program.

**Subtask 5: Call for proposals for second round of new studies**

- A second targeted RFP was distributed in the first quarter of 2017. This was a targeted RFP focusing on military populations (Active Duty, National Guard, Reserve), or, if veterans (OEF/OIF/OND).
- The second RFP was disseminated to 30 different listservs, groups, and institutions. A total of 46 LOIs were received from 32 different institutions. The LOIs included 8
non-clinical trials, 17 clinical trials, and 20 secondary data analyses of the CDEs. Four were declined due to late submission, duplicates, or not meeting the required guidelines. Drs. Gutierrez and Joiner each reviewed 21 LOIs, including 5 that were selected for review by both to ensure interrater reliability. 34 investigators were invited to submit full proposals, including 4 non-clinical trials, 14 clinical-trials, 9 secondary analyses of the CDEs, and 7 long-term follow-ups of MSRC 1.0 projects.

The following milestones were achieved in Year 1:

- Research Priorities Updated
- Research Studies Funded (ongoing)

Major Task 3: Fund and Oversee Clinical Trials and Research Studies

Subtask 1: Facilitate success

- Core C has updated the MSRC 2.0 CDE and Demographic forms. Core C has also updated the process for sharing CDE data. The data use agreements (DUAs), both for receiving and sharing data have been updated.
- The IPR meeting will not be held this year since the two funded studies are still obtaining approvals and have not started recruiting subjects.

Consortium Specific Aim 5: Capitalize on the CDE (variables collected by all currently funded studies) to encourage rigorous secondary analyses

Major Task 6: Capitalize on CDE Secondary Analyses

Subtask 1: Call for proposals for secondary data analyses of Common Data Elements

- The second RFP includes secondary data analyses of the CDEs collected during MSRC 1.0. We anticipate funding approximately four secondary data analysis projects with a budget cap of $150,000 per project.

The following milestone was achieved in Year 1:

- Research Priorities Updated

Consortium Specific Aim 6: Disseminate Consortium knowledge, information, and findings

Major Task 7: Development of D&I Plans

Subtask 1: Review years 1-5 MSRC studies’ design and implementation of findings

- Core D provided consultation to one research team regarding their D&I plans, and continues to work on synchronizing outputs from all sites and confirm final information (study status, deliverables, etc.) with PIs. An Access database has been built for tracking purposes.
- Core D holds weekly meetings to review the existing MSRC research findings in preparation for the Readiness Review Committee review, and has drafted the “Military Suicide Research Consortium Core D Dissemination and Implementation (D&I) Recommendation Categories” for consideration by the Committee.
- Core D continues to develop familiarity with MSRC research to determine readiness for dissemination. A bi-weekly journal club has been established to support this process.
• Coordinating and conferencing with MOMRP to establish their priorities for MSRC research dissemination.
• Inaugurated the format of the MSRC Dissemination Readiness Committee, aka “Working Group,” which will advise the MSRC D&I Core on the readiness of MSRC-funded research for dissemination both in the Department of Defense (DoD) and other relevant settings.
• Working with D&I consultants to develop a formal Working Group mission statement.
• Currently in the process of confirming Working Group members, they are on pause pending discussions within DCoE and DoD Deployment Health Clinical Center (DHCC). Once all participants are confirmed, the ongoing meeting schedule can be determined and review/evaluation of MSRC study interventions for readiness for D&I can begin.

Subtask 2: Evaluate MSRC study interventions for readiness for D&I
• The D&I Readiness Review Committee membership has been finalized, and bi-monthly meetings (conference calls) have been scheduled. The first meeting was on 12 January 2017, during which a proposal for standard operating procedures, mechanisms for reviewing study results, and the coordinated plan for timely reviews of MSRC interventions were discussed.
• The first Readiness Review Committee review meeting of MSRC 1.0 studies is scheduled for 27 April 2017. Scheduling is ongoing. The following have been developed to facilitate this process:
  ▪ The MSRC 1.0 Intervention Summary Template, which is the mechanism for presenting MSRC 1.0 study findings to the Working Group. The summary includes an overview of the intervention, readiness for implementation categories using a combination of RE-AIM and Implementation Outcome Frameworks, and the available D&I materials.
  ▪ A pre and post review online “feedback” survey through which the Working Group provides comments and scoring for each intervention for readiness first based on their review of the materials provided, and then after the review meeting.
  ▪ A process for orienting the PI and preparing the template as well as having the Working Group review both individually and in a conference call discussion.
• All processes were developed in collaboration with the Working Group.

Subtask 3: Core D will establish and maintain ongoing relationships and partnerships with agencies and organizations that can support D&I in military and veteran settings and with military communities.
• Core D has connected with Give an Hour, Deployment Psychology, and other military and veteran organizations in the course of identifying key partnerships for dissemination processes.
• DCoE has changed its representation on the MSRC Readiness Working Group Committee, providing new connections for Core D.
• Core D has also established a relationship with the Cohens Veterans Network.

The following milestone was achieved in Year 1:
• Establish D&I relationships
Major Task 8: Organized Dissemination

Subtask 1: Identify and establish connection with implementation science organizations which can support D&I with military populations

- Core D is continuing to identify dissemination and implementation science and economic analysis such as experts who can serve as consultants to MSRC investigators, leaders, and trainees. Consulted with Dr. Jonathan Purtle, expert on the use of communication messages in dissemination research. Will continue to discuss ways of using these methods in MSRC dissemination projects. Dr. Sara Landes, Core D Co-Investigator, is developing a white paper on D&I research methods to share with MSRC PIs and interested DoD contacts.
- Core D is in the process of establishing connections between DoD and civilian representatives by developing a policy taskforce with representatives from DoD and members of the Society for Implementation Research Collaboration (SIRC) who are involved and/or invested in a policy role in D&I.
- Core D submitted a proposal for a symposium on “Developing and Evaluating a System for Consensus Decision-Making for Prioritizing Evidence-Based Practices for Dissemination and Implementation in Very Large Systems: A Collaboration with the Department of Defense for Suicide Prevention to the Society for Implementation Research Collaboration (SIRC) bi-annual conference. Presenters are from DCoE, DSPO and Core D.

Consortium Specific Aim 7: Train future leaders in military suicide research

Major Task 9: Continue pre-doctoral and postdoctoral training experiences at FSU and Rocky Mountain MIRECC

Subtask 1: Establish career development network

- MSRC is providing funds to FSU to train future experts in the field of suicidology. Under the auspices of Dr. Thomas Joiner and his Joiner Lab, also with the assistance of Dr. Pam Keel, the students are in various levels of their graduate degree program. Currently ten students are receiving funds.

Subtask 2: Establish joint pre-doctoral and postdoctoral training experiences through the MSRC

- The 5th Annual MSRC Research Training Day in conjunction with the American Association of Suicidology Annual Conference has been scheduled for 26 April 2017. This opportunity is available to up to 34 trainees who at the time of application are students or research fellows across levels of training (graduate to post-doctoral).
- The Joint MSRC/STARRS-LS Post-doc positions were offered to and accepted by Sam Bernecker and Kelly Zuromski. The appointments are for one year with availability of a second year based on satisfactory performance. The work will focus on conducting research aimed at evaluating the impact and cost effectiveness of available intervention and prevention programs in epidemiologically targeted high risk population segments. Drs. Nock, Kessler, Joiner, and Gutierrez will serve as primary mentors to the post-docs. Other MSRC and STARRS-LS faculty may also provide mentorship and training as needed.
Dissertation completion awards in the amount of $2,000 each were granted to four students.
  o Lauren Forrest, Miami University: Examining Objective Interoception as a Novel Prospective Predictor of Self-Injurious Behaviors
  o Sarah Carter, George Mason University: Interpersonal Mechanisms of Suicide Risk in Service Members: A Daily Diary Study
  o Mathew Podlogar, Florida State University: Investigating the Selection Choice of ‘Prefer Not to Disclose’ in Self-Report Suicide Risk Screening
  o Jennifer Buchman, Florida State University: Excessive Exercise and Suicide Risk: Mediating Role of Capability for Suicide and HPA Axis Dysregulation

Subtask 3: Establish military/veteran oriented D&I postdoctoral training experiences within Core D
  • The D&I Core continues to announce the opportunity for a two-year psychology postdoctoral fellowship at the University of Washington focused on rigorous, efficient, and innovative approaches to D&I interventions for military settings and D&I research and evaluation.

The following milestone was achieved in Year 1:
  • Career development and training experiences established.

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

Please refer to Consortium Specific Aim 7: Train future leaders in military suicide research (above).

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 and objectives?

  • The second round of proposals are due 04/28/17. Core A will work with AAS to make sure the scientific reviews are completed in a timely fashion.
  • Core A staff will work with the two currently funded PIs to finalize contracts, obtain IRB and HRPO approvals, and begin recruiting.
  • The 5th Annual MSRC Research Training Day in conjunction with the American Association of Suicidology Annual Conference is scheduled for April 26, 2017.
  • MSRC funded studies will inform and research the development of tools for military leaders to identify and manage suicidal service members.
  • Drs. Gutierrez and Joiner will continue to establish and maintain ongoing relationships and partnerships with STARRS-LS, DSPO, DCoE, and military and veteran communities and organizations.
  • Provide ongoing training opportunities for MSRC staff, MSRC trainees, and MSRC investigators.
• Plan the MSRC Annual Meeting, which will be held in Frederick, MD on 18 September 2017.
• Core D will hold 2-4 D&I Readiness Committee Review of MSRC Interventions.
• Core D will organize the membership for a Veteran’s Working Group.
• Hold the first Core D Annual Meeting strategizing goals for the coming year including:
  ▪ Developing EBP implementation strategies and conducting associated pilot evaluations
  ▪ Developing tool kits and conducting associated pilot evaluations
  ▪ Developing and deploying consultants to assist MSRC PIs, Core D, and our military partners on implementation science, economic analysis, etc
  ▪ Developing a webcast series
  ▪ Developing projects for post-doctoral fellow (when hired).

**Impact:**

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

The Consortium has funded two projects which have not initiated their research. They are currently completing the IRB and HRPO processes.

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.

**Changes/Problems:**

Changes in approach and reasons for change

Following the first MEAB meeting, the SOP has been updated to include the MEAB throughout the LOI and RFP process. We believe this will result in a greater number of proposals being funded at each MEAB meeting.

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

Nothing to report.
Changes that had a significant impact on expenditures

We received a contract modification exercising the first option period and increasing funding for each site by $4,250,000. The MSRC administrative group met and updated the SOW and budget as requested by MOMRP. These funds extend the range from clinical trials only to clinical trials plus other types of studies. For these new funds, MSRC opened up the process for submission of proposals after the prior MEAB meeting in December.

On 8 March 2017 both sites were notified that an additional $660,404 in option period funds were available to each site. The additional funds were added to the research projects budget at each site. The revised budget, budget justification, and SOW have been sent to the MOMRP grants officer.

Significant changes in use or care of human subjects

Nothing to report.

Significant changes in use or care of vertebrate animals.

N/A.

Significant changes in use of biohazards and/or select agents

N/A.

Products:

Publications, conference papers, and presentations

White Paper

Presentations


Other Products

- MSRC D&I Core Access Database
• Military Suicide Research Consortium Core D Dissemination and Implementation (D&I) Recommendation Categories
• Common Data Elements 2.0
• MSRC Intervention Summary Template
• Online Working Group Feedback Surveys

Website

https://msrc.fsu.edu

In collaboration with Core B, Core D created pages on the MSRC website for those who are new to the science of implementation along with a D&I resources library available to MSRC members that contains tools for MSRC researchers.

About D&I
https://msrc.fsu.edu/about-msrc/dissemination-and-implementation

D&I Resources
https://msrc.fsu.edu/about-msrc/d-and-i-library

Technologies or techniques

Nothing to report.

Inventions, patent applications, and or licenses

Nothing to report.

Participants & Other Collaborating Organizations:

What individuals have worked on the project?

Name: Thomas Joiner, PhD
Project Role: Principal Investigator
Effort: 25%
Contribution to Project: Dr. Joiner is responsible for the oversight and management of project staff based at FSU. He works closely with Dr. Gutierrez on overall Consortium executive management and co-directs all Consortium Cores (A, B, C, D).

Name: Pam Keel, PhD
Project Role: Co-Investigator
Effort: 10%
Contribution to Project: Dr. Keel has expertise in dys-regulated eating behaviors, a key risk factor for suicidal behaviors both within the military and beyond. She has extensive
experience in experimental design and analysis, and with the administration and oversight of large, federally funded efforts. Dr. Keel assists Dr. Joiner in the management of the MSRC.

Name: Christopher Patrick, PhD  
Project Role: Co-Investigator  
Effort: 10%  
Contribution to Project: Dr. Patrick has extensive experience in experimental design and analysis, and with the administration and oversight of large, federally funded efforts. He assists Dr. Joiner in the management of the MSRC.

Name: Elizabeth Plant, PhD  
Project Role: Co-Principal Investigator  
Effort: 26%  
Contribution to Project: Dr. Plant is the Director of Core C – Database Management & Analysis.

Name: Bonnie Wright  
Project Role: Financial/Grant Manager  
Nearest person month worked: 3  
Contribution to Project: Ms. Wright manages the financials for FSU and assists PIs with grants.

Name: Molly Conrad  
Project Role: Research Assistant  
Nearest person month worked: 9  
Contribution to Project: Ms. Conrad supports the Principal Investigator and Project Manager in day to day operations and managing research studies at FSU.

Name: Enrique Vargas  
Project Role: Project Manager  
Nearest person month worked: 6  
Contribution to Project: Mr. Vargas is the Project Manager for Florida State University and serves to facilitate the daily management of administrative tasks to include technical reporting and management of reports from the research projects.

Name: Jeremy Spinks  
Project Role: Web Developer  
Nearest person month worked: 1.8  
Contribution to Project: Mr. Spinks maintains the MSRC web site to include current research studies, research application portals, publications and other MSRC relevant materials.

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

No changes.
What other organizations were involved as partners?

DRI (Denver Research Institute)

**Special Reporting Requirements:**

The MSRC Quad Chart is attached.
Appendices:

A1. Thomas Joiner, Ph.D. CV
A2. MSRC Quad Chart

Appendix Pages: 18-92.
Appendix Page: 93.
A1. CURRICULUM VITAE

Personal Data
Name: Thomas Ellis Joiner, Jr.

Psychologist Licensure and Credentials: Florida License

Work History
April 2010 - present  The Robert O. Lawton Distinguished Professor of Psychology
Department of Psychology, Florida State University

April 2007 - March 2010  Distinguished Research Professor &
The Bright-Burton Professor of Psychology
Department of Psychology, Florida State University

January 2001 - March 2007  The Bright-Burton Professor of Psychology
Department of Psychology, Florida State University

August 2000 - December 2000  Professor
Department of Psychology, Florida State University

August 1997 - July 2000  Associate Professor
Department of Psychology, Florida State University

August 1996 - July 1997  Associate Professor and Director, Psychological Assessment
Department of Psychiatry and Behavioral Sciences
University of Texas Medical Branch at Galveston

1993 - 1996  Assistant Professor and Director, Psychological Assessment
Department of Psychiatry and Behavioral Sciences
University of Texas Medical Branch at Galveston

Education
1987 - 1993  University of Texas at Austin  Ph.D.
Major field: Clinical Psychology
(Major Professor: Gerald I. Metalsky, Ph.D.)
Minor field: Experimental Design and Analysis

1992 - 1993  Clinical Psychology Internship
V.A. Medical Center and Scott & White Hospital, Temple, Texas

1983 - 1987  Princeton University  Major field: Psychology  B.A., Magna Cum Laude
**Honors/Awards**

Recipient of the American Association for Suicidology’s Dublin Award for Lifetime Contributions to Suicide Research, 2016.

Distinguished Scientist Lecturer, American Psychological Association, 2016.

Recipient of The Charles T. Ruby Award, given annually to one individual who has made substantial contributions to the welfare of those bereaved by suicide, Catholic Charities, Chicago, 2015.


Recipient of the Cottrell Family Endowed Professorship, Florida State University, 2009.


Recipient of the Graduate Faculty Mentor Award, Florida State University, 2006.

Recipient of the Mentoring Award, Section IV of APA’s Division 12 (Clinical Psychology of Women), 2006.


Recipient of the William R. Jones Most Valuable Mentor Award from the Florida Education Fund’s McKnight Doctoral Fellowship Program, 2005.


Recipient of the William R. Jones Most Valuable Mentor Award from the Florida Education Fund’s McKnight Doctoral Fellowship Program, 2002.

Named The Bright-Burton Professor of Psychology, Florida State University, 2001.

Recipient of the American Association for Suicidology’s Edwin S. Shneidman Award for Contributions to Suicide Research, 2001.


Recipient of the Developing Scholars Award, Florida State University, 1999.

Visiting Scholar Award, University of Montana, 1999.

**Honors/Awards (continued)**


Recipient of the Young Investigator Award, National Alliance for Research on Schizophrenia and Depression, 1994.
Publications List (overall number of books, articles, and chapters = 572; Current and former trainees’ names are italicized)

Authored Books


Edited Books


Journal Articles in Refereed Journals (listed chronologically; N = 503)

IN PRESS and 2016 (N = 56)


IN PRESS and 2016 (N = 56, continued)


IN PRESS and 2016 (N = 56, continued)


IN PRESS and 2016 (N = 56, continued)


2015 (N = 25, continued)


2009 (N = 20)


2008 (*N = 32, continued*)


2006 (N = 39, continued)


2006 (N = 39, continued)


*2005 (N = 34, continued)*


2004 (N = 24, continued)


2003 (N = 17, continued)


2002 (N = 23)


2001 (N = 23, continued)


2000 (N = 16)


2000 (N = 16, continued)


1999 (N = 19)


1999 (N = 19, continued)


1999 (N = 19, continued)


1998 (N = 15)


1998 (N = 15, continued)


1997 (N = 11)


1997 (*N = 11, continued*)


1996 (*N = 14*)


1996 (N = 14, continued)


1995 (N = 11)


1995 (N = 11, continued)


1994 (N = 7)


1993 (*N* = 2)


1992 (*N* = 2)


Chapters in Edited Books/Invited Articles/Commentaries (listed chronologically; N = 52)


Chapters in Edited Books/Invited Articles/Commentaries (listed chronologically; N = 52, continued)


Chapters in Edited Books/Invited Articles/Commentaries (listed chronologically; N = 52, continued)


**Workshops Conducted**


4. Joiner, Jr., T. E. (1998). *You don’t have to be afraid of taxometrics.* Advanced Methodology and Statistics Seminar (AMASS) for the Association for the Advancement of Behavior Therapy (AABT), Washington, DC.

**Chaired Symposia, Chaired Poster Sessions, & Chaired Grand Rounds**

1. Joiner, Jr., T. E., Host (1998, November). *Poster session on depression and phobia.* Annual convention of the Association for the Advancement of Behavior Therapy (AABT), Washington, DC.

2. Joiner, Jr., T. E., Chair (1995, November). *Depression as a social problem: Recent advances in interpersonal approaches to depression.* Symposium for the 29th annual convention of the Association for the Advancement of Behavior Therapy (AABT), Washington, DC.


**Presentations (samples from over 400)**


Presentations (continued)


7. Joiner, Jr., T. E. (1994, March). Depression and bulimia: The affective variant hypothesis vs. the secondary depression hypothesis. Paper presented at Grand Rounds, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch, Galveston, TX.


Presentations (continued)


Presentations (continued)


Grants

Completed or Ongoing Grant Projects

1. Young Investigator Award, National Alliance for Research on Schizophrenia and Depression, $60,000 over 2 years for project entitled, “Cognitive vulnerability to depression in youth.” 1994-1996.

2. Grant, Sealy Small Grant Program, University of Texas Medical Branch at Galveston; $12,500 over 1 year for project entitled, “Testing an integrative interpersonal theory of depression among child and adolescent psychiatric inpatients.” May, 1994 - May, 1995.

3. Grant, American Suicide Foundation Institutional Program, University of Texas Medical Branch at Galveston; $8,199 over 1 year period for project entitled, “Impulsivity, hostility, and anxiety as discriminators between suicide ideators and attempters.” December, 1994 - December, 1995.

Grants (continued)

Completed or Ongoing Grant Projects (continued)

5. Grant, American Suicide Foundation Institutional Program, University of Texas Medical Branch at Galveston; $5,002 over 1 year period for project entitled, “Impulsivity, hostility, and anxiety: Predicting long-term response and attrition.” January, 1996 - December, 1996.


8. Grant, National Institute of Mental Health (R03MH56912); $25,000 over 1 year, entitled, “Stability and Structure of Bulimotypic Indicators.” January, 1997 - December, 1997.

9. Grant, Committee on Faculty Research Support (COFRS), Florida State University; $8,000 over three months for project entitled, “Taxometrics of mood disorder nosology.” June, 1998 - August 1998.


11. Grant, Developing Scholars Award, Florida State University, $6,000 for general research, 1999.

12. Planning Grant, Florida State University, $6,000 over 1 year for planning a larger grant on the serotonin transporter gene and suicidal symptoms, 2000.


14. Planning Grant, Florida State University, $10,000 over 1 year for planning a larger grant on the possible dopaminergic basis of positive emotion - broad-minded coping inter-relations, 2001.


20. Grant, Rockefeller Foundation Bellagio Fellowship, ~$10,000, 2006.
Grants (continued)

Completed or Ongoing Grant Projects (continued)


Editing, Editorial Boards, Academic Consulting, and Reviewing of Grants

Editor: Suicide & Life-Threatening Behavior, 2009-
Journal of Social & Clinical Psychology, 2008-
Clinician’s Research Digest, 2006-

Journal of Abnormal Psychology (invited, 2000; declined).
Journal of Adolescence (invited, 2001; declined).

Board of Advisors: Men’s Health

Editing, Editorial Boards, Academic Consulting, and Reviewing of Grants (continued)

Editorial Board Member:  
- The Scientific Review of Mental Health Practice, appointed 2002.
- Suicide & Life-Threatening Behavior, appointed 2003.
- Revista de Psicopatologia y Psicologia Clinica (Review of Psychopathology & Clinical Psychology), Spain, appointed 1995.
- Behavior Therapy, appointed 2005.

Guest Editor:  

Editorial Consultant:  
Journals:  
- Psychological Bulletin, since 1995.
- Psychological Review, since 2003.
- Cognitive Therapy and Research, since 1993.
- Behavior Genetics, 1999.
- Cognition and Emotion, since 1996.
- Behaviour Research and Therapy, since 1997.
- Social Science and Medicine, since 2002.
- Ambulatory Child Health, since 1998.
- Psychological Reports, since 1997.
- Social Behavior & Personality, since 1996.
- Professional Psychology: Research & Practice, since 1999.
- The Scientific Review of Mental Health Practice, since 2002.
- Clinical Psychology Review, since 2000.
- Journal of Affective Disorders, since 2001.
- Psychotherapy Research, since 2001.
- Circulation, since 2003.
Editing, Editorial Boards, Academic Consulting, and Reviewing of Grants (continued)

Book Publishers: Guilford; Academic Press; American Psychological Association; Erlbaum; Oxford; Harvard; Brooks/Cole; W.W. Norton; Wiley.

NASA Standing Review Panel Member, Human Research Program (Behavioral Health and Performance), 2012-

Board of Directors, Apalachee Center, Tallahassee, FL, 2016-

Board of Advisors, University of Minnesota Press Test Division, 2016-


Consultant, National Institute of Mental Health grant #NIMH R18 48097, entitled “Problem-solving factors in suicide,” awarded to David Rudd, Ph.D. 1993 to 1997.

Consultant, National Institute of Mental Health grant #NIMH R15 55870-01, entitled “Predictors of Negative Mood Intensity and Recovery,” awarded to Sam Catanzaro, Ph.D. 1996 to 1999.

NIMH Study Section Member, F12B[20], 2004.

NIMH Study Section Member, ZMH1 ERB-L [03], 2005.

NIMH Study Section Member, Adult Psychopathology (BBBP-5), 2000; 2006-7.

NIMH B/START Reviewer, April, 2001.


Grant Reviewer, The Hospital for Sick Children Foundation, Toronto, Canada, Fall, 1997.

Grant Reviewer, Sealy Endowment for Biomedical Research, UTMB-Galveston, 1996.

Grant Reviewer, Dissertation Award, American Psychological Association, Fall, 1996.

Grant Reviewer, Student Travel Award, American Psychological Association, Spring, 1997.

**Professional Affiliations and Memberships**

Elected Member, Society for Research in Psychopathology.
Elected Member, International Society for Research in Child and Adolescent Psychopathology.
Member, Society for the Science of Clinical Psychology (SSCP).
Member, Association for the Advancement of Behavior Therapy (AABT).

**Leadership, Committees, and Administrative Service**

Chair, Faculty Development Committee, FSU Psychology, 2002, 2004, 2006-present.


Chair, Selection Committee for the Aaron T. Beck Award, given by the Across Species Comparison and Psychopathology (ASCAP) Society, Spring, 1997; Spring, 1998.


Chair, Grants Committee, Society for the Science of Clinical Psychology Dissertation Award, American Psychological Association, Fall, 1997.

Graduate Training Committee, Department of Psychology, Florida State University, 1997 - 1998.

Host for Post-Doctoral Scholars, Drs. Tulin and Faruk Gencoz, Middle East Technical University, Ankara, Turkey, at Florida State University, Summer - Fall, 1999.

Host for Visiting Scholar, Dr. Lourdes Lostao, Universidad Publica de Navarra, Pamplona, Spain, at the University of Texas Medical Branch at Galveston, Summer, 1997.

Director and Founder, Behavioral, Social, and Cognitive Sciences Faculty Interest Group, University of Texas Medical Branch at Galveston, Spring, 1995 - Spring, 1996.

Member, Board of Directors, Interpsych Internet Research Forum, 1994 - 1996.

Member, Internal Review Board, Interpsych Internet Research Forum, 1994 - 1996.

Training Team Member, Psychology Internship Training Program, University of Texas Medical Branch at Galveston, Fall, 1994 - present.


Member, Undergraduate Education Committee, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, Fall, 1995 - present.
Leadership, Committees, and Administrative Service (continued)

Member, Committee to Reduce Length of Patient Stay, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, Summer, 1994 - Fall, 1995.

Member, Committee to Establish Guidelines for Teaching Effectiveness, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, 1994.

Member, Ad Hoc Committee on Staff - Patient Boundary Issues, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, Fall, 1996.

Member, Ad Hoc Committee on Sexual Abuse of Psychiatric Patients, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, Spring, 1994.

Community Service

Participant, National Depression Screening Day, developed to educate public about depression and refer depressed people to treatment, October 6, 1994.


Presentation, “Depression in Adults and Youngsters: A Research Update,” Invited address at the annual convention of the Texas Alliance for the Mentally Ill, Corpus Christi, Texas, 1995.


Teaching/Supervisory Experience

Educational Materials Developed


Masters Thesis and Critical Review Paper Committees

1. Ivonne Indrikovs, “Eating attitudes, self-esteem and body image in males,” School of Allied Health Sciences, University of Texas Medical Branch at Galveston, 1996.
2. Lorraine MacLean, “The effects of mood and sex-role beliefs on interpersonal responses to depressed persons,” Lakehead University, Thunder Bay, Ontario, Canada, Fall, 1996.
13. [Chaired], Marisol Perez, “The interpersonal consequences of positive illusory bias in inpatient psychiatric youth,” Florida State University, Tallahassee, FL, Fall, 2000.
15. [Chaired], Foluso Williams, “Mood regulation and depressive subtypes.” Florida State University, Tallahassee, FL, Spring, 2003.
Teaching/Supervisory Experience (continued)

Masters Committees (continued)

22. [Chaired], Daniel Hollar, “Acculturative stress, ethnicity, and bulimic and suicidal symptoms.” Florida State University, Tallahassee, FL, Spring, 2005.
23. [Chaired], Katie Merrill, “Self-esteem stability, interpersonal behaviors, and depression.” Florida State University, Tallahassee, FL, Spring, 2005.
24. [Chaired], Tracy Witte, “Multiple suicide attempt status and mood lability.” Florida State University, Tallahassee, FL, Spring, 2006.
27. [Chaired], Rebecca Bernert, “Circadian rhythms and depressive symptoms,” Florida State University, Tallahassee, FL, Spring, 2006.
33. [Chaired], Mike Anestis, “Urgency and maladaptive behaviors.” Florida State University, Tallahassee, FL, Spring, 2006.
34. [Chaired], Ted Bender, “The acquired capacity for suicide.” Florida State University, Tallahassee, FL, Fall, 2007.
35. [Chaired], Scott Braithwaite, “Models of marital discord.” Florida State University, Tallahassee, FL, Fall, 2007.
36. [Chaired], Eddie Selby, “Emotion regulation and Borderline Personality Disorder.” Florida State University, Tallahassee, FL, Fall, 2007.
37. [Chaired], April Smith, “Achievement strivings and eating disorder symptoms.” Florida State University, Tallahassee, FL, Fall, 2007.
39. Ben Miller, outside member to Department of Philosophy, Florida State University, “Philosophical aspects of suicide.” Spring, 2008.
42. [Chaired], Erin Fink, “Need for cognition and eating disorder symptoms.” Florida State University, Tallahassee, FL, Fall, 2008.
Teaching/Supervisory Experience (continued)

Dissertation Committees
22. Tam Dao, outside member to Department of Counseling Psychology, “Rorschach and MMPI convergence.” Florida State University, Tallahassee, FL, 2005.
Dissertation Committees (continued)

42. Lacey Sischo, outside member to Department of Sociology, “Qualitative study of women’s reactions to breast surgery.” Florida State University, Tallahassee, FL, 2006.
43. Matt Hobson, outside member to Department of Sociology, “Fiction.” Florida State University, Tallahassee, FL, 2007.
48. Marissa Brattole, outside member to Department of Educational Psychology, “Factors influencing eating disorder detection, Florida State University, Tallahassee, FL, 2008.
Teaching/Supervisory Experience (continued)

Dissertation Committees (continued)

55. [chaired] Erin Fink, Florida State University, Tallahassee, FL, 2011.

Teaching Experience

Graduate Seminar on Prepracticum & Ethics, Summer 2003-present.

Graduate Seminar on Differential Diagnosis of Psychopathology in Works of Non-Fiction, Spring, 2010.


Graduate Seminar on Mood Disorders, Spring, 2001.

Graduate Techniques of Behavior Change, 2002-present.

Graduate Psychopathology, Florida State University, 1999-present.


Behavioral Science Research Methods (Undergraduate), Florida State University, Spring, 1999.

The Psychology of Adjustment (Undergraduate), Florida State University, 1997-2000.

Introduction to Patient Evaluation for 1st Year Medical Students, University of Texas Medical Branch at Galveston, Fall, 1994 - Spring, 1995; Fall, 1995 - Spring, 1996.

Community Continuity Experience for 1st Year Medical Students, University of Texas Medical Branch at Galveston, Fall, 1994 - Spring, 1995; Fall, 1995 - Spring, 1996.

Lecturer, Behavioral Sciences Component of Introduction to Patient Evaluation for 2nd Year Medical Students, University of Texas Medical Branch at Galveston, Summer, 1995.
Discussion Group Leader, Behavioral Sciences Component of Introduction to Patient Evaluation for Medical Students, University of Texas Medical Branch at Galveston, Summer, 1994 - 1996.
Teaching/Supervisory Experience (continued)

Teaching Experience (continued)

Seminar on Psychotherapy Termination for 3rd Year General Psychiatry Residents, University of Texas Medical Branch at Galveston, Spring, 1996; Spring, 1997.

Seminar on Boundaries in Psychotherapy for 2nd Year General Psychiatry Residents, University of Texas Medical Branch at Galveston, Fall, 1996.

Seminar on Diagnostic Interviewing with Adolescents, 4th Year General Psychiatry Residents, University of Texas Medical Branch at Galveston, Spring, 1997.

Seminar on School Consultation for 5th Year Child/Adolescent Psychiatry Residents, University of Texas Medical Branch at Galveston, Fall, 1996.

Continuous Case Conference on Child and Adolescent Psychotherapy for Child/Adolescent Psychiatry Residents, University of Texas Medical Branch at Galveston, 1994 - 1997.

Childhood and Adolescent Development for 4th and 5th Year Child/Adolescent Psychiatry Residents, University of Texas Medical Branch at Galveston, Spring, 1994.

Psychological Assessment for 4th and 5th Year Child/Adolescent Psychiatry Residents, University of Texas Medical Branch at Galveston, Spring, 1994; Spring, 1995.

Psychological Theories of Depression for Psychology Interns, School of Allied Health, University of Texas Medical Branch at Galveston, Fall, 1993; Fall, 1994.

Continuous Case Conference on Child and Adolescent Psychiatry for Child/Adolescent Psychiatry Residents, University of Texas Medical Branch at Galveston, 1993 - 1997.

Undergraduate Abnormal Psychology, University of Texas at Austin, and Austin Community College, Fall, 1989 - Spring, 1991.

Clinical Supervisory Experience

Primary Supervisor, Clinical Psychology Graduate Students Psychotherapy Practicum, University Psychology Clinic, Florida State University, Summer, 1998 - present.

Primary Supervisor, Clinical Psychology Graduate Students Assessment Practicum, Easter Seals Placement, Florida State University, Summer, 1998 - Fall, 1999.

Primary Supervisor, 5th Year Child/Adolescent Psychiatry Residents’ School Consultation Rotation, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, Fall, 1996.

Primary Research Supervisor, 3rd Year Psychiatry Residents’ Research Paper, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, Spring, 1995, 1996.
Teaching/Supervisory Experience (continued)

Clinical Supervisory Experience (continued)

Primary Supervisor for Psychology Interns, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, 1993 - 1997.

Primary Supervisor, Postdoctoral Psychology Fellows’ Psychological Assessment and Psychotherapy for Child and Adolescent Psychiatry, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, 1994 - 1997.

Group Psychotherapy Supervisor for Psychiatry Residents’ and Psychology Interns’ Rotation on Child and Adolescent Psychiatry, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, 1994 - 1996.

Individual Psychotherapy Supervisor for Child Psychiatry Residents, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, 1995 - 1997.

Assistant Supervisor, Child and Family Psychotherapy Practicum, Learning Abilities Center, University of Texas at Austin, Austin, Texas. Spring, 1990.

Clinical and Professional Consulting Experience

Director of the University Psychology Clinic, Florida State University, Tallahassee, Florida.

Direct full-service community mental health center. Activities involve oversight of five psychologist supervisors, twenty clinical psychology graduate student therapists (who see approximately 70 patients per week), and three staff persons. 1998 to present.

Legal Consultant, Tallahassee, Florida

Case review and consultation on cases involving death by suicide. 1997 to present.

Private Practice, Tallahassee, Florida

Diagnostic evaluation and psychotherapy practice, 2003 to present.

Director of Psychological Assessment for Children and Adolescents, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, Galveston, Texas.


Staff Psychologist, University Psychiatry Center, Clear Lake, Texas (a satellite clinic of the Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston).

Activities include individual, family, and group psychotherapy, diagnostic interviews, and psychological assessments, with children, adolescents, and adults. 1993 - 1997.
Clinical and Professional Consulting Experience (continued)

Group Psychotherapist, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston, Galveston, Texas.


Staff Psychologist, ADHD/Depression Outpatient Clinic, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston.

Activities include supervision of psychoeducational testing, and collaboration on clinical research projects. March, 1995 to August, 1997.

Project Psychotherapist, Pfizer Study of Behavior Therapy vs. Pharmacotherapy for Obsessive Compulsive Disorder, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston.


Project Psychotherapist, Bristol-Myers Squibb Study of Combined Efficacy of Cognitive-Behavioral Therapy vs. Pharmacotherapy for Chronic Depressions, Department of Psychiatry and Behavioral Sciences, University of Texas Medical Branch at Galveston.


Staff Psychologist, University Nutrition Center, University of Texas Medical Branch at Galveston, Galveston, Texas.

Activities include group psychotherapy with obese adults. June to November, 1994.

Clinical Psychology Intern, Olin E. Teague Veterans’ Administration Medical Center and Scott and White Hospital, Temple, Texas.


Staff Psychotherapist, Waterloo Counseling Center, Austin, Texas.

References

Lyn Y. Abramson, Ph.D.  
Professor  
Department of Psychology  
University of Wisconsin-Madison  
1202 W. Johnson St.  
Madison, Wisconsin  53706  
(608) 263-4965

Roy F. Baumeister, Ph.D.  
Frances Eppes Professor  
Department of Psychology  
Florida State University  
Tallahassee, FL 32306-1270  
(850) 644-2040

Aaron T. Beck, M.D.  
University Professor  
Department of Psychiatry  
University of Pennsylvania  
Room 2032  
3535 Market Street  
Philadelphia, PA  19104-3309  
(215) 898-4102

James C. Coyne, Ph.D.  
Professor  
Departments of Psychiatry & Family Medicine  
University of Pennsylvania Health System  
11 Gates, 3400 Spruce St.  
Philadelphia, PA  19104  
(215) 662-7035

Peter M. Lewinsohn, Ph.D.  
Professor & Senior Scientist  
Oregon Research Institute  
1715 Franklin Blvd.  
Eugene, Oregon  97403  
(541) 484-4421

William B. Swann, Jr., Ph.D.  
Professor  
Department of Psychology  
University of Texas at Austin  
Austin, Texas  78712  
(512) 471-1157
Military Suicide Research Consortium: Extension to New Opportunities and Challenges

Study/Product Aim(s)

- Maintain situational readiness, research infrastructure, intellectual capacity, and institutional memory to ensure that the resources exist to meet future military suicide research needs as they change and develop.
- Continuing to produce new scientific knowledge about suicidal behavior in the military.
- Use high quality research methods and analyses to extend significant findings from studies completed in the first five years of MSRC.
- Conduct after-action analyses of null findings from initial MSRC studies to determine whether interventions significantly affected other outcomes (e.g., mechanism variables covered by the Common Data Elements [CDE]).
- Capitalize on the CDE (variables collected by all currently funded studies) to encourage rigorous secondary analyses, exploring rival mediators and mechanisms, and moving toward making the data available to the broader research community.
- Build on the first five years of research conducted by the MSRC, by continuing to disseminate Consortium knowledge, information, and findings through a variety of methods appropriate for decision makers, practitioners, and others who are accountable for ensuring the mental health of military personnel.
- Train future leaders in military suicide research.

Approach

The MSRC’s ultimate impact is on suicide prevention in the military through research. Findings will be used to influence policy, best practices, and programmatic changes.

Timeline and Cost

<table>
<thead>
<tr>
<th>Activities</th>
<th>CY16</th>
<th>CY17</th>
<th>CY18</th>
<th>CY19</th>
<th>CY20</th>
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<tr>
<td>Revise infrastructure and refine develop</td>
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<td>research priorities</td>
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<td>Fund and oversee funded studies</td>
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<td>Perform analyses on findings from years 1-5</td>
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<td>and after-action analyses</td>
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<td>Capitalize on CDE secondary analyses</td>
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<td>Development of D&amp;I plans</td>
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<td>Organized dissemination</td>
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<tr>
<td>Continue training experiences</td>
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FSU Estimated Budget ($Million)  
CY16: $5.4  
CY17: $5.9  
CY18: $1.2  
CY19: $1.2  
CY20: $1.2

DRI Estimated Budget ($Million)  
CY16: $3.9  
CY17: $4.8  
CY18: $2.4  
CY19: $2.0  
CY20: $1.8

Goals/Milestones

Year 1 Goal:
- Infrastructure updated and review functions defined and in place
- Research priorities updated and research studies funded
- Establish dissemination & implementation (D&I) relationships and create D&I plans for funded studies

Year 2 Goal:
- Maintain defined schedule of data uploads and meetings
- Analyses completed on previous studies
- Start dissemination of research findings
- Career development and training experiences established

Year 3 Goal:
- Refine research priorities and continue research projects

Year 4 Goal:
- Continued dissemination of research findings
- Present at relevant conferences and develop manuscripts

Year 5 Goal:
- Communication of MSRC deliverables achieved

Budget Expenditure to Date

FSU Actual Expenditure: $402,271
DRI Actual Expenditure: $679,921