

AWARD NUMBER: W81XWH-21-2-0005

TITLE: Long-term consequences of mothers and fathers wartime deployments

PRINCIPAL INVESTIGATOR: Shelley MacDermid Wadsworth

CONTRACTING ORGANIZATION: Purdue University, West Lafayette, IN

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| 13. SUPPLEMENTARY NOTES | | | | | |
| 14. ABSTRACT The overarching goal of this project is to understand the long-term effects of a mother's deployment on military adolescents using a stratified random sample of 200 deployed mothers, spouses/partners, and two siblings. Combined with the sample of 513 military families from the companion project, funded by the National Institute of Child Health and Development, the data will significantly advance knowledge about the long-term effects of maternal deployment on adolescents. | | | | | |
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1. INTRODUCTION:

The overarching goal of this project is to understand the long-term effects of a mother's deployment on military adolescents using a stratified random sample of 200 deployed mothers, spouses/partners, and two siblings. Combined with the sample of 513 military families from the companion project, funded by the National Institute of Child Health and Development, the data will significantly advance knowledge about the long-term effects of maternal deployment on adolescents.

2. KEYWORDS:

Adolescents; Siblings; Deployment; Risk Factors; Protective Factors; Adaptation;

3. ACCOMPLISHMENTS:

What were the major goals of the project?

The four major tasks in the approved statement of work are

1. Prepare for data collection; (months 1-10)
2. Collect and acquire data; (months 11-36)
3. Analyze and report data; (months 11-44)
4. Disseminate results.(months 18-48).

During this first year, activities focused on the three subtasks under major task 1.

Subtask 1: Secure regulatory approvals from the NHRC (lead IRB), participating universities, and the USAMRMC Human Research Protections Office

Subtask 2: Sample drawn by the Defense Manpower Data Center

Subtask 3: Hire and train interview teams

What was accomplished under these goals?

Subtask 1: Due to the delay in our sampling frame, we submitted a regulatory modification requesting permission to recruit a volunteer sample. As of 9/30/2022, we are awaiting approval of this modification.

Subtask 2: As of September 2022, the Defense Manpower Data Center (DMDC) completed our request for a sampling frame.

Subtask 3: Hire and train interview teams. Because of the delays in obtaining our sampling frame, we have proceeded cautiously with this task. We have recruited a small team of interviewers; we plan to expand that team in the spring and summer of 2023.

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

Under the guidance of experienced researchers, our team of data collectors has been working on piloting recruiting, screening, and interviewing scripts with each other. They have played out scenarios with a variety of atypical, but not unheard-of participant responses in contact situations. The pilot scenarios have provided opportunities for skill development while we test the adequacy of the scripting tools to support interviewers.

How were the results disseminated to communities of interest?

Nothing to report at this time.

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

Anticipating that we will receive the necessary protocol approvals, we plan to start recruitment and data collection.

4. IMPACT:

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

Nothing to report at this time.

What was the impact on other disciplines?

Nothing to report at this time.

What was the impact on technology transfer?

Nothing to report at this time.

What was the impact on society beyond science and technology?

Nothing to report at this time.

5. CHANGES/PROBLEMS:

We submitted an amendment to our protocol to allow the study team to augment the sampling frame sample with additional participant recruitment using public advertising through professional organizations (e.g., Blue Star Mothers, Black Veterans Project, Hispanic Veterans Leadership Alliance, Modern Military Association of America). This will help us engage diverse families from hard to reach populations (e.g., LGBTQ; those less likely to enroll in DEERS/TRICARE).

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

Some of the problems we have been grappling with for the past year have come to resolution. The CRADA agreement has been finalized. We have received our sampling frame from DMDC. The modification to our IRB protocol allows us to recruit a volunteer sample has been submitted and awaits approval.

We anticipate that much of the contact information in the sampling frame data from DMDC will be outdated, particularly for service members who have separated from service. We plan to trace them through publicly available services.

Changes that had a significant impact on expenditures

We extensively use students to enroll and interview study participants. Because the recruitment cycle for student labor ebbs and flows with the rhythm of the academic year, we often must anticipate our staffing needs six to eight months in advance. The unexpected delays in receipt of the sampling frame meant that our anticipated needs were sometimes incorrect. However, we have used their capacity to thoroughly test our recruiting and screening scripts. This testing has given them extensive role-playing experience and made them very familiar with our scripts and procedures. As a result, our small team is well qualified, providing a strong foundation to increase our staffing in the Spring and Summer of 2023.

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

None to report.

Significant changes in use or care of vertebrate animals

Not applicable.

Significant changes in use of biohazards and/or select agents

Not applicable.

6. PRODUCTS:

- **Publications, conference papers, and presentations**

Journal publications.

Knobloch, L.K., J. K. Monk, and Shelley M. MacDermid Wadsworth. "Relationship Maintenance among Military Couples." *Journal of Social and Personal Relationships*, June 30, 2022, 02654075221105025. <https://doi.org/10.1177/02654075221105025>.

Acknowledgement of Federal Support: Yes.

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

MacDermid Wadsworth, S., Whiteman, S., Lester, P., Stander, V., & Christ, S. (2022). Parental deployment and military children: A century of research. In J. E. Glick, V. King, & S. McHale (Eds.), *Causes and consequences of parent-child separations: Pathways to resilience* (pp. 161-188). Springer.

Acknowledgement of Federal Support: Yes.

Other publications, conference papers and presentations.

Nothing to report at this time.

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

Nothing to report at this time.

- **Technologies or techniques**

Nothing to report at this time.

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

Nothing to report at this time.

- **Other Products**

Nothing to report at this time.

7. PARTICIPANTS & OTHER COLLABORATING ORGANIZATIONS

What individuals have worked on the project?

| | |
|-------------------------|---|
| Name | Shelley MacDermid Wadsworth |
| Role | Principal Investigator |
| ORCID Identifier | 0000-0002-5443-2760 |
| Person Months | 1.2 |
| Contribution | Oversees all aspects of the research |
| Funding Support | National Institute of Child and Health Development |
| Name | Valerie Stander |
| Role | Co-Investigator |
| ORCID Identifier | 0000-0002-9493-1978 |
| Person Months | 4 |
| Contribution | Regulatory approvals for IRB, sampling frame, and administrative data |
| Funding Support | National Institute of Child and Health Development |
| Name | Leanne Knobloch |
| Role | Co-Investigator |
| ORCID Identifier | 0000-0001-9300-1536 |
| Person Months | 0.8 |
| Contribution | Published manuscript and preparation for the benchmarking analyses; literature searching for relevant scholarship |
| Funding Support | Military Operations Medical Readiness Program |
| Name | Sharon Christ |
| Role | Co-Investigator |
| ORCID Identifier | 0000-0002-7925-5641 |
| Person Months | 0.5 |
| Contribution | Work on sampling frame, power analyses and book chapter. |
| Funding Support | National Institute of Child and Health Development |
| Name | Shawn Whiteman |
| Role | Co-Investigator |
| ORCID Identifier | 0000-0001-9782-2120 |
| Person Months | 0.5 |
| Contribution | Book Chapter |
| Funding Support | National Institute of Child and Health Development |
| Name | Dave Topp |
| Role | Research Director |
| ORCID Identifier | 0000-0001-6920-7454 |
| Person Months | 4 |

| | |
|-------------------------|---|
| Contribution | Oversees research operations, including regulatory compliance, staffing, training, and quality assurance. |
| Funding Support | National Institute of Child and Health Development |
| Name | Nayantara Nair |
| Role | Post Doc |
| ORCID Identifier | 0000-0002-0084-0603 |
| Person Months | 5 |
| Contribution | Refining protocols for recruitment, consent and assent, interviewing. Developing interviewer training materials. |
| Funding Support | National Institute of Child and Health Development |
| Name | Kenona Southwell |
| Role | Part-time Post Doc |
| ORCID Identifier | |
| Person Months | 1.5 |
| Contribution | Refining protocols for recruitment, consent and assent, interviewing. Developing interviewer training materials. |
| Funding Support | National Institute of Child and Health Development |
| Name | Doug Sneddon |
| Role | Data Scientist |
| ORCID Identifier | |
| Person Months | 1.5 |
| Contribution | Data management and data transformation regarding sampling frame data and interface with the contact management system. Testing the validity of survey and interview instruments to prepare data for analysis |
| Funding Support | Lilly Endowment |
| Name | Muskan Datta |
| Role | Graduate Student |
| ORCID Identifier | |
| Person Months | 4 |
| Contribution | Testing and practicing protocols for recruitment, consent and assent, interviewing. |
| Funding Support | National Institute of Child and Health Development |
| Name | Maggie Daily |
| Role | Undergraduate Student |
| ORCID Identifier | |
| Person Months | 1.5 |
| Contribution | Testing and practicing protocols for recruitment, consent and assent, interviewing. |
| Funding Support | National Institute of Child and Health Development |
| Name | Leah Van Zant |

| | |
|-------------------------|---|
| Role | Undergraduate Student |
| ORCID Identifier | |
| Person Months | 1.5 |
| Contribution | Testing and practicing protocols for recruitment, consent and assent, interviewing. |
| Funding Support | National Institute of Child and Health Development |
| Name | Victoria Mollo |
| Role | Graduate Student |
| ORCID Identifier | |
| Person Months | 0.5 |
| Contribution | Testing and practicing protocols for recruitment, consent and assent, interviewing. |
| Funding Support | National Institute of Child and Health Development |
| Name | Dolma Rabgay |
| Role | Graduate Student |
| ORCID Identifier | |
| Person Months | 0.5 |
| Contribution | Testing and practicing protocols for recruitment, consent and assent, interviewing. |
| Funding Support | National Institute of Child and Health Development |

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 report at this time.

What other organizations were involved as partners?

Nothing to report at this time. (Please note that partners who are part of this grant are not listed here; we interpreted this question as pertaining to other kinds of partners).

8. SPECIAL REPORTING REQUIREMENTS

COLLABORATIVE AWARDS:

QUAD CHARTS:

9. APPENDICES:

**QUAD CHART
BOOK CHAPTER
PUBLICATION**