

AWARD NUMBER: W81XWH-14-1-0325

TITLE: Changing Family Roles-Across the Deployment Cycle

PRINCIPAL INVESTIGATOR: Shelley MacDermid Wadsworth

CONTRACTING ORGANIZATION: PURDUE UNIVERSITY  
WEST LAFAYETTE, IN 47907

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# REPORT DOCUMENTATION PAGE

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<b>14. ABSTRACT OVERVIEW:</b> This multi-informant, longitudinal investigation of Army National Guard families' experience of deployment project focuses on a) the negotiation and management of family roles during deployment cycles, and b) on the impact of technology-based communication during deployment on later psychological distress and role functioning. <b>PROGRESS TO DATE:</b> <ul style="list-style-type: none"> <li>• Recruited 85 families with federal funding for a total of 134 since proposal submission.</li> <li>• Obtained reintegration data from 248 families.</li> <li>• Twelve conference presentations delivered, five manuscripts published, others under review.</li> </ul> <b>Findings Regarding Deployment Communication:</b> At-home partners who reported higher levels of support also reported feeling closer to service members. On days when at-home partners reported receiving more support, they also reported feeling closer to service members. <b>Finding Regarding Sibling Relationships:</b> At-home partners reporting <i>higher</i> levels of warmth and <i>lower</i> levels of agonism also reported <i>lower</i> levels of externalizing behavior in their children. When at-home partners reported their children's relationship changed over the course of the study, so did their reports of externalizing behavior in their children.						
<b>15. SUBJECT TERMS</b> Family Roles, Resilience, Communication, Deployment, Household Tasks, Trajectories						
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**Award W81XWH-14-1-0325**  
**Annual Technical Progress Report**  
**14 May 2019**

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## **1 INTRODUCTION:**

This project focuses on a) the negotiation and management of family roles during deployment cycles, and b) on the impact of technology-based communication during deployment on later psychological distress and role functioning. It builds on a multi-informant, longitudinal investigation of Army National Guard families' experience of deployment initiated with philanthropic funding. We gather data from families once before deployment, two times during deployment, and three times during reintegration. A team of interviewers travels to the families' home, interviewing the service members, their spouse / partners and up to two adolescent children. All family members present at the home interview participate in a 10-minute family interaction task, which is video recorded. In addition to the home interviews, we gather additional data using surveys and data bursts – a series of brief data collections within a week. During deployment, the spouse / partner completes a series of surveys regarding daily communication with the (deployed) service member. During reintegration, the service member and partner complete a series of brief telephone interviews regarding their negotiation about household and parenting responsibilities. We are working to understand how these communications impact couples' trajectories of risk and resilience. This understanding will inform the design of preventive interventions for military couples experiencing deployment.

## **2 KEYWORDS:**

Family Roles, Resilience, Communication, Deployment, Household Tasks, Trajectories

## **3 ACCOMPLISHMENTS:**

Below, we describe our year 3 accomplishments and year 4 plans for each task on the approved statement of work.

*Task 1: Receive regulatory approval from Purdue IRB and Department of Defense Human Research Protection Office (timeframe, months 1-2).*

- Closed this protocol with the Purdue IRB 14 MAY 2019.

*Task 2. Obtain command permission from deploying units to invite their families to participate in this study (timeframe, months 1 – 15).*

- We completed this task in Year 3.

*Task 3. Successfully complete recruitment of 75 families into the study (timeframe, months 01-17).*

- The total number of families who have joined the study with federal funding is 5. This task is complete.

*Task 4. Successfully complete base-line (pre-deployment) data collection with the entire sample (timeframe, months 01-19).*

- This task is complete.

*Task 5. Successfully gather reintegration data from 230 families.*

- Altogether, we have reintegration data from 248 families. This task is complete.

*Task 6. Quality check received data collected from the field interviews (timeframe, months 1-42).*

- This task is complete.

*Task 7. Complete cross-linking and validation of longitudinal and multi-informant data (time frame, months 25-42).*

- Although we have substantially completed this task, as we continue to prepare final datasets for analysis, we periodically discover another improper link or need for further cross validation. .

*Task 8. Complete data analysis, scientific reports, and manuscripts for publication (timeframe, months 24-48).*

- This task is ongoing. We in the process of building final (de-identified) analytical datasets for the continued use of investigators and interested collaborators. In section 6 below, we have listed the publications and presentations made to date.

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

This project offered extensive training opportunities for both graduate and undergraduate students who conducted day-to-day operations. Students who are interested in developing these skills had opportunities to manage some aspect of the project, (e.g. scheduling, supplies, logistics, compensation). Students desiring analyst experience had the opportunity to compile, clean and analyze data. Students also worked on coding video data and thematic analyses of transcribed interviews. Finally, students wanting primary research experience had opportunities to in primary data collection conducting interviews with service members and their family members. This work gave them hands-on experience with research and an increased understanding of the experiences of military families. The staffing roster, below, reflects the extensive number of students we incorporated into the staff for this project. One recent highlight related to students involved with this project is that one was selected through rigorous competitions to become a finalist for the Jefferson AND Rhodes scholarships. She also received the University's award for the outstanding female undergraduate student up her graduation.

As we have begun to analyze these longitudinal nested data, the investigators with statistical expertise have helped graduate students and staff members develop advanced analytical skills appropriate for these data. We conducted longitudinal latent class trajectory analyses of both service members and spouses, and considering how best to interpret the results in light of conceptual models like the Emotional Cycle of Deployment. Students have presented analyses examining the interplay between established relationships patterns and daily interactions to negotiate household responsibilities. In addition, a recent graduate presented analyses about the predictive power of predeployment assessments at the Military Health System Research Symposium

Finally, students who have worked and continue to work on manuscripts from this project participate in a writing group that meets regularly, both through the school year and summer sessions. Facilitated by a graduate student trained by the Purdue Writing Lab, students take turns reading each other's manuscripts and providing supportive critique. Students report that over a

period of months, they have learned how to “think like a writer” and developed skills that help them write more effectively.

These opportunities for training and professional development have resulted in student participation or leadership in several peer-reviewed presentations submitted and delivered over the past year, as well as publications.

### **3.2 How were the results disseminated to communities of interest?**

Conference presentations and manuscripts were the primary focus of our dissemination efforts. We have also engaged with our partners at the Nathanson Family Resilience Center at UCLA (NFRC) to reap the clinical and military significance of this study. They used findings from this study to make two systematic enhancements to Project FOCUS, one of the largest resiliency programs administered in the military. The first enhancement pertains to couple & co-parent communication, which has implications for individual and family adjustment. The optimal type & frequency of communication depends on a variety of factors, including deployment stage, levels of stress and psychopathology, etc. FOCUS has used Family Journeys findings to enhance the FOCUS couple & co-parent communication modules to support a more individualized approach. Specifically, provider training now includes more coverage of individualizing communication strategies based on couple/family needs (e.g., current stage of deployment). Psychoeducational material & activities on communication have been refined.

The second enhancement pertains to sibling relationships. Family Journeys findings, consistent with civilian literature, suggest that sibling conflict is associated with parental stress, emotional reactivity, and regulation<sup>7</sup>. In this case, the enhancement to FOCUS interventions systematically addresses sibling relationships by a) creating a provider training module on the importance of sibling relationships; b) adding a standardized assessment of sibling relationships to the Resilience Check-In; and building a tiered approach for sibling intervention depending on individual family need (informed by existing civilian sibling relationship programs) that includes:

- Adding brief activities that incorporate sibling relationships to the standard FOCUS model
- Creating a supplement to FOCUS manuals with additional session modules that center on sibling relationship (psychoeducation + dyadic & family skills practice)
- Augmenting referral options to include sibling-focused intervention programs

## **4 IMPACT:**

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

As reported above, team members continue to make presentations at the annual meeting of the National Council on Family Relations (NCFR). This year, we also presented at the Military Health System Research conference. Many of these presentations launch publications in Family Studies journals, although journals from other disciplines have also published data from this study. Poster and concurrent sessions devoted to military family issues are established components of the NCFR meeting.

This work continues past the federal funding period. We hope to build a persuasive group of studies that reframe thinking about families and transitions that gives appropriate attention to BOTH stability and change. In particular, we are interested in the interaction between

established patterns of family life that are in place prior to deployment separations, and the shorter-term events and exchanges that occur during and following deployment separations. To the extent that established patterns are positive and healthy, an important focus could be helping families to learn the skills needed to protect them from conflictual or otherwise problematic shorter-term events and exchanges. To the extent that established patterns are compromised, an important focus might be sensitive monitoring to identify when problems are serious enough to merit outside attention, and how best to provide that.

#### **4.2 What was the impact on other disciplines?**

We have a collaborator from the Communications Department (Dr. Steven R. Wilson) who has published findings from this project. He has developed collaborative relationship with researchers in his discipline who have an interested in these topics.

Furthermore, our graduate and undergraduate staff comes from a variety of disciplines, including engineering, psychology, brain and behavioral sciences, public health and nursing. Whether their disciplines are technical, helping, or scientific, they take their knowledge and experiences into their careers.

#### **What was the impact on technology transfer?**

Nothing to report.

#### **What was the impact on society beyond science and technology?**

Nothing to report.

### **5 CHANGES/PROBLEMS:**

#### **5.1 Changes in approach and reasons for change**

None.

#### **5.2 Actual or anticipated problems or delays and actions or plans to resolve them**

None

#### **5.3 Changes that had a significant impact on expenditures**

None.

#### **5.4 Significant changes in use or care of human subjects, vertebrate animals, biohazards, and/or select agents**

None.

### **6 PRODUCTS:**

#### *Presentations*

- Coppola, E.C. (2017, November). *Family Functioning and Posttraumatic Stress Disorder in Military Service Members*. Poster presented at the National Council on Family Relations Annual Conference, Orlando, FL.

- Coppola, E. C., McCall, C., Bailey, K., & MacDermid Wadsworth, S. (2018, November). *Associations between stressors, partner role functioning, and post deployment outcomes*. Poster presented at the annual meeting of the National Council on Family Relations, San Diego, CA.
- Day, M., Gil-Rivas, V., Topp, D., & Wadsworth, S. M. (2018, April). *The role of social support during post-deployment reintegration in the Army National Guard (ARNG)*. In *Annals of Behavioral Medicine* (Vol. 52, pp. S84-S84).
- Isgett, C. I., McCall, C. E., Topp, D. B., & MacDermid Wadsworth, S. (2019, April). *The Effects of Posttraumatic Stress Disorder and Depressive Symptomology on National Guard Service Member Commitment*. Poster presented at the annual Purdue Undergraduate Research Conference, West Lafayette, IN.
- Lee, K.-H., Flittner O'Grady, A. E., Marini, C. M., Cardin, J.-F., Collins, C. L, Topp, D., & MacDermid Wadsworth, S. M. (2015, November). *The role of attachment and coping on individual and family well-being among military couples during predeployment*. Paper presented at the 2015 National Council on Family Relations Annual Conference, Vancouver, British Columbia, Canada.
- Marini, C. M., MacDermid Wadsworth, S. M., Christ, S., & Franks, M. M. (2015, November). *Coping and psychological health during reintegration: A dyadic analysis*. Poster presented at the 2015 National Council on Family Relations Annual Conference, Vancouver, British Columbia, Canada.
- Marini, C.M. (2017, November). *Stress Generation and Marital Discord: Linking Marital Quality and Mental Health*. Poster presented at the National Council on Family Relations Annual Conference, Orlando, FL.
- Marini, C. M., MacDermid Wadsworth, S. M., Franks, M., Wilson, S.R., Topp, D.B., & Christ, S. L. (2018, November). *Self vs. Partner-Directed Minimization and Depressive Symptomology In Relation to Military Deployment*. In C. M. Marini (Chair), *Mental health among military couples: Innovations in theory and practice*. Symposium conducted at the annual meeting of the National Council on Family Relations, San Diego, CA.
- McCall, C.E. (2017, November). *Renegotiating and Communicating about Household Tasks during Reintegration*. Poster presented at the National Council on Family Relations Annual Conference, Orlando, FL.
- Southwell, K., Coppola, E.C., Topp, D.B., MacDermid Wadsworth, S.M., (2018, August). *An Examination of Continuity in Role Functioning and Distress Across Deployment*. Paper presented at the 2018 Military Health System Research Symposium, Kissimmee, FL.
- Whiteman, S., Loeser, M., Covington, M., Topp, D., & MacDermid Wadsworth, S. M. (2015, November). *Sibling relationships over the course of a parent's deployment*. Paper presented at the 2015 National Council on Family Relations Annual Conference, Vancouver, British Columbia, Canada.
- Wilson, S. R., Marini, C. M., Franks, M. M., Topp, D., & MacDermid Wadsworth, S. M. (2015, November). *Communication activities and feelings of connection during deployment: A daily diary study from the perspective of at-home partners*. Paper presented at the Association of Behavioral Cognitive Therapies, Chicago, IL.

### *Published Manuscripts*

- O’Grady, A.E.F., S.D. Whiteman, J.F. Cardin, and S.M. MacDermid Wadsworth. “Changes in Parenting and Youth Adjustment across the Military Deployment Cycle.” *Journal of Marriage and Family* 80, no. 2 (April 1, 2018): 569–81. <https://doi.org/10.1111/jomf.12457>.
- Marini, C. M., Wadsworth, S. M., Christ, S. L., & Franks, M. M. (2017). Emotion expression, avoidance and psychological health during reintegration: A dyadic analysis of actor and partner associations within a sample of military couples. *Journal of Social and Personal Relationships*, 34(1), 69–90. <https://doi.org/10.1177/0265407515621180>
- Marini, Christina M., Christina L. Collins, and Shelley M. MacDermid Wadsworth. (2018). “Examining Multiple Rhythms of Military and Veteran Family Life.” *Journal of Family Theory & Review* 10, no. 3 516–34. <https://doi.org/10.1111/jftr.12275>.
- Marini, C. M., S. M. MacDermid Wadsworth, M. M. Franks, S. R. Wilson, D. B. Topp, and S. L. Christ. “Military Spouses’ Self- and Partner-Directed Minimization in the Context of Deployment.” *Military Behavioral Health* 0, no. 0 (March 28, 2019): 1–12. <https://doi.org/10.1080/21635781.2019.1580643>.
- Wilson, S. R., Marini, C. M., Franks, M. M., Whiteman, S. D., Topp, D., & Wadsworth, S. M. (2017). Communication and connections during deployment: A daily-diary study from the perspective of at-home partners. *Journal of Family Psychology* <https://doi.org/10.1037/fam0000333>

### *Under Review*

- Coppola, E. C., Christ, S.L., Topp, D. B., Southwell, K. H., Bailey, K.M., and MacDermid Wadsworth, S.M. (2019). *Trajectories of Depression Symptoms During the Process of Deployment in Military Couples*. Manuscript under review.
- Southwell, K., Coppola, E.C., Topp, D.B., MacDermid Wadsworth, S.M., (2019). *Continuity in Psychological Health and Role Functioning Across Deployment*. Manuscript under review.

In our work with our partners at the Nathanson Family Resilience Center to translate findings, we co-authored a chapter published in a new textbook. It discusses the importance of effective communication strategies to help military families navigate the deployment cycle cites recent findings from the Family Journeys study.

### *Book Chapter*

Hajal, N.J., McCall, C., MacDermid Wadsworth, S., & Lester, P. (November 2018). Navigating family relationships during deployment. In E. Weiss & C. Castro (Eds.) *American Military Life in the 21st Century: Social, Cultural, Economic Issues and Trends*. Santa Barbara, CA: Praeger/ABC-CLIO.

## PARTICIPANTS & OTHER COLLABORATING ORGANIZATIONS

<i>Name</i>	<i>Position</i>	<i>Responsibilities</i>	<i>Person Months</i>
Abbas, Reshawyal	Undergraduate	Task Interviews; Qualitative Data Analysis	0.5
Bailey, Keisha	Graduate Student	Project Management; Data Analysis	18
Bairnsfather, Nickolaus B	Graduate Student	Data Management	2
Bates, Alexa	Undergraduate	Task Interviews; Qualitative Data Analysis	8
Birch, Elise	Undergraduate	Task Interviews; Qualitative Data Analysis	2.6
Cardin, Jean Francois	Analyst	Data Management	5.6
Cho, Grace	Undergraduate	Task Interviews; Qualitative Data Analysis	7.5
Chrabaszewski, Scott	Undergraduate	Data Management	2
Christ, Sharon	Co-Investigator	Data Analysis	2
Christiansen, Hannah	Undergraduate	Supplies and Logistics	2.2
Collins, Christy	Graduate Student	Project Management; Data Analysis	15.5
Cook, Jody	Project Manager	Project Management	8
Coppola, Elizabeth	Graduate Student	Project Management; Data Analysis	15
Covington, Megan N	Graduate Student	Project Management; Data Analysis	2
Cowan, Alana	Undergraduate	Supplies and Logistics	3.3
Daily, Mollie	Undergraduate	Participant Retention	2.6
Davis, Chloe A	Undergraduate	Task Interviews; Qualitative Data Analysis	1.5
Downs, Hannah	Undergraduate	Supplies and Logistics	9
Elliot, Amy	Graduate Student	Manuscript Editing	1.9
Flittner O'Grady, Allison E	Post Doctoral Researcher	Project Management; Data Analysis	3
Franks, Melissa	Faculty	Data Analysis	2.4
Gerst, Kasey J	Undergraduate	Data Management	0.3
Glowacki, Olivia R	Undergraduate	Task Interviews; Qualitative Data Analysis	4.5
Gomez de la Casa, Abby	Undergraduate	Supplies and Logistics	7.5
Greiner, Anna	Undergraduate	Task Interviews; Qualitative Data Analysis	0.6
Hamm, Kathryn	Graduate Student	Manuscript Editing	2.8
Hill, Kia	Undergraduate	Task Interviews; Qualitative Data Analysis	9.2
Huffmeyer, Heather	Undergraduate	Task Interviews; Qualitative Data Analysis	1.2
Hughes, Hayley	Graduate Student	Supplies and Logistics	5.5
Hutter, Caitlin	Graduate Student	Supplies and Logistics	8
Isgett, Courtney N	Undergraduate	Task Interviews; Qualitative Data Analysis	0.5
Johnson, Rita	Service	Data Management	1.2
Kaiser, Lucas C	Graduate Student	Task Interviews; Qualitative Data Analysis	0.8
Khan, Fatima	Undergraduate	Task Interviews; Qualitative Data Analysis	0.6
Kidd, Steven W	Undergraduate	Data Management	1
Kielb, Elizabeth I	Undergraduate	Task Interviews; Qualitative Data Analysis	2
Kitchel, Aspen	Undergraduate	Task Interviews; Qualitative Data Analysis	1

<i>Name</i>	<i>Position</i>	<i>Responsibilities</i>	<i>Person Months</i>
Kollars, Nicole E	Undergraduate	Task Interviews; Qualitative Data Analysis	0.3
Koons, Chelsea R	Temp Staff	Supplies and Logistics	5
Kumar, Varsha	Undergraduate	Task Interviews; Qualitative Data Analysis	2.4
Lambert, Taylor	Undergraduate	Task Interviews; Qualitative Data Analysis	2.2
Lee, Kyung Hee	Post Doctoral Researcher	Project Management; Data Analysis	3
Lee, SooKyung	Undergraduate	Data Management	0.2
Leiberling, Felicia	Undergraduate	Task Interviews; Qualitative Data Analysis	1.8
Liew, Chye Hong	Graduate Student	Data Management	1.5
Lin, Chaihua	Graduate Student	Task Interviews; Qualitative Data Analysis	2
Luft, Kathryn	Undergraduate	Data Management	4.8
MacDermid Wadsworth, Shelley	Principal Investigator	Overall Guidance	8.8
Mangan, Elizabeth K	Undergraduate	Task Interviews; Qualitative Data Analysis	2.9
Mangan, Kelly	Undergraduate	Task Interviews; Qualitative Data Analysis	0.5
Marini, Christina	Graduate Student	Project Management; Data Analysis	13
McCall, Christine	Graduate Student	Project Management; Data Analysis	12.5
Merzdorf, Jessica V	Temp Staff	Supplies and Logistics	3
Mitoraj, Meghan M	Undergraduate	Task Interviews; Qualitative Data Analysis	0.4
Moench, Kassandra	Undergraduate	Supplies and Logistics	10
Moss, Aryana M	Undergraduate	Task Interviews; Qualitative Data Analysis	0.7
Murfree, Lauren V	Graduate Student	Task Interviews; Qualitative Data Analysis	0.8
Nagarajan, Srinithya	Undergraduate	Task Interviews; Qualitative Data Analysis	2.2
Newton, Breanna	Undergraduate	Supplies and Logistics	3.4
Nwaokobia, Charles C	Graduate Student	Supplies and Logistics	1.3
Palmer, Sarah M	Undergraduate	Data Management	1.2
Peterson, Kevin	Undergraduate	Supplies and Logistics	3.2
Plewniak, Kaitlyn E	Undergraduate	Task Interviews; Qualitative Data Analysis	4
Plewniak, Nicole	Undergraduate	Task Interviews; Qualitative Data Analysis	3.2
Poojary, Brijesh	Graduate Student	Data Management	1.5
Prall, Emily R	Undergraduate	Task Interviews; Qualitative Data Analysis	0.4
Puetzer, Rebecca	Undergraduate	Task Interviews; Qualitative Data Analysis	3.1
Relton, Joshua	Undergraduate	Data Management	1.7
Ruth, Rahmaan J	Undergraduate	Task Interviews; Qualitative Data Analysis	0.5
Ryan, Kevin L	Graduate Student	Supplies and Logistics	0.3
Sanders, Carl L	Undergraduate	Supplies and Logistics	1.1
Shaffer, Brittany	Undergraduate	Task Interviews; Qualitative Data Analysis	3
Shapiro, Amanda L	Graduate Student	Supplies and Logistics	3
Smith, Kristal	Undergraduate	Data Management	3.9
Southwell, Kenona	Grad Student - PostDoc	Project Management; Data Analysis	15.5

<i>Name</i>	<i>Position</i>	<i>Responsibilities</i>	<i>Person Months</i>
Sowers, Robin A	Temp Staff	Supplies and Logistics	4
Sullivan, Amelia	Undergraduate	Task Interviews; Qualitative Data Analysis	0.6
Thompson, Katherine E	Undergraduate	Supplies and Logistics	7.1
Thompson, Rebecca J	Undergraduate	Task Interviews; Qualitative Data Analysis	2
Topp, Dave	Research Director	Overall Operations	17.6
Wagner, Janet	Data Manager	Data Management	12.7
Wellnitz, Andrea L	Admin/Professional	Supplies and Logistics	4.5
Whiteman, Shawn	Faculty	Data Analysis	3.4
Williams, Tynia M	Undergraduate	Task Interviews; Qualitative Data Analysis	0.2
Wilson, Steven	Faculty	Data Analysis	3
Wu, Lipu	Undergraduate	Data Management	0.6
Yambor, Elise M	Undergraduate	Task Interviews; Qualitative Data Analysis	0.8
Yothment, Christopher	Undergraduate	Data Management	3.8
Zarco, Juan	Undergraduate	Data Management	3.5

NATHANSON FAMILY RESILIENCE CENTER (UCLA)		
Lester, Patricia, M.D.	Subcontractor	Principal Investigator
Hajal, Nastassia J.	Subcontractor	Project Manager
Babayan, Thomas V.	Subcontractor	Investigator
Castaneda, Marleen	Subcontractor	Investigator
Kiff, Cara	Subcontractor	Investigator
Marlotte, Lauren E.	Subcontractor	Investigator
Mogil, Catherine E.	Subcontractor	Investigator

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

None.

**7 SPECIAL REPORTING REQUIREMENTS:**

**Quad Chart is attached.**

## **8 APPENDICES:**

Quad Chart.

# Changing Family Roles Across the Deployment Cycle

Log Number: A-18396

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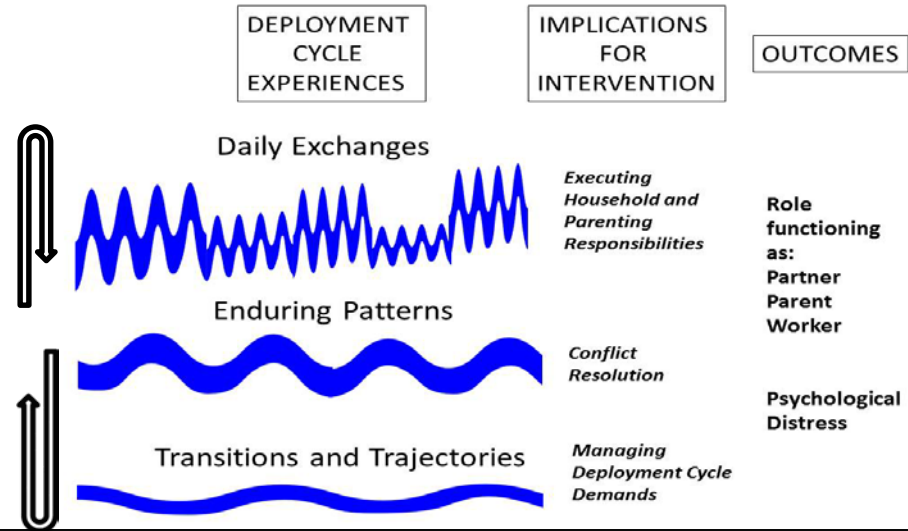


PI: Shelley MacDermid Wadsworth

Org: Military Family Research Institute at Purdue

Award Amount: 3,547,933

- The influence of . . .
  - technology-based communication during deployment, and
  - the process of negotiating and managing family roles throughout the deployment cycle
- . . . on future role functioning is poorly understood;
- Understanding family life in terms of three related but distinct “layers” would be useful to identify points of intervention;
- These layers have implications for many interventions aimed at helping families during deployment cycles.



## Timeline and Cost

Activities	FY	15	16	17	18
Regulatory Approvals		█			
Recruitment of New Families		█	█		
Deployment & Reunion Data Collection w/ Existing Sample		█	█	█	
Data Collection New Families			█	█	█
Data Bursts re: Roles			█	█	█
Data Cleaning		█	█	█	█
Data Analyses		█	█	█	█
Report Preparation		█	█	█	█
Estimated Budget (\$K)		\$1160	\$915	\$799	\$674

### Goals/Milestones

- FY15 Milestones:**  Receive regulatory approval  
 Initiate Task Negotiation Data Bursts with existing sample
- FY16 Milestones:**  Complete recruitment of 75 new families  
 Complete base-line (pre-deployment) data collection
- FY17 Milestones:**  Complete during-deployment data collection, including communication data bursts
- FY18 Milestones:**  Complete reintegration data collection, including task-negotiation data bursts

### Budget Expenditure to Date

Projected Expenditure: \$ 3548 through 15 AUG 2018.

Actual Expenditure: \$ 3548 through 14 MAY 2019.