

Award Number:

W81XWH-08-2-0142

TITLE:

MISSION CONNECT MILD TBI TRANSLATIONAL RESEARCH CONSORTIUM

PRINCIPAL INVESTIGATOR:

Paul R. Swank, Ph.D.  
Terri King, Ph.D.

CONTRACTING ORGANIZATION:

University of Texas Health Science Center  
Houston, TX 77030

REPORT DATE:

August 2009

TYPE OF REPORT:

Annual

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

DISTRIBUTION STATEMENT:

Approved for public release; distribution unlimited

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.

## REPORT DOCUMENTATION PAGE

*Form Approved*  
*OMB No. 0704-0188*

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing this collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.

|   |                         |                          |   |                                     |   |   |  |  |
|---|-------------------------|--------------------------|---|-------------------------------------|---|---|--|--|
| <b>1. REPORT DATE (DD-MM-YYYY)</b><br>August 2009   |                         |                          | <b>2. REPORT TYPE</b><br>Annual             |                                     |   | <b>3. DATES COVERED (From - To)</b><br>August 1, 2008-July 31, 2009 |  |  |
| <b>4. TITLE AND SUBTITLE</b>  |                         |                          |   |                                     |   | <b>5a. CONTRACT NUMBER</b>  |  |  |
|   |                         |                          |   |                                     |   | <b>5b. GRANT NUMBER</b><br>W81XWH-08-2-0142                         |  |  |
|   |                         |                          |   |                                     |   | <b>5c. PROGRAM ELEMENT NUMBER</b>                                   |  |  |
| <b>6. AUTHOR(S)</b><br>Paul R. Swank<br><br>Go cln^r cwatauy cpnB wj 0o e(qf w  |                         |                          |   |                                     |   | <b>5d. PROJECT NUMBER</b>   |  |  |
|   |                         |                          |   |                                     |   | <b>5e. TASK NUMBER</b>  |  |  |
|   |                         |                          |   |                                     |   | <b>5f. WORK UNIT NUMBER</b>   |  |  |
| <b>7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)</b><br>University of Texas Health Science Center<br><br>Houston, TX 77030   |                         |                          |   |                                     |   | <b>8. PERFORMING ORGANIZATION REPORT NUMBER</b>                     |  |  |
| <b>9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)</b><br>U.S. Army Medical Research<br>and Material Command,<br>Fort Detrick, Maryland 21702-5012                        |                         |                          |   |                                     |   | <b>10. SPONSOR/MONITOR'S ACRONYM(S)</b>                             |  |  |
|   |                         |                          |   |                                     |   | <b>11. SPONSOR/MONITOR'S REPORT NUMBER(S)</b>                       |  |  |
| <b>12. DISTRIBUTION / AVAILABILITY STATEMENT</b><br><br>Approved for public release; distribution unlimited   |                         |                          |   |                                     |   |   |  |  |
| <b>13. SUPPLEMENTARY NOTES</b>  |                         |                          |   |                                     |   |   |  |  |
| <b>14. ABSTRACT</b><br>We assisted with the development of the human subject's proposals and the clinical protocol. Worked with PIs to develop procedures for reliability analysis. |                         |                          |   |                                     |   |   |  |  |
| <b>15. SUBJECT TERMS</b><br>Human subjects, clinical protocol, reliability analysis   |                         |                          |   |                                     |   |   |  |  |
| <b>16. SECURITY CLASSIFICATION OF:</b>  |                         |                          | <b>17. LIMITATION OF ABSTRACT</b><br><br>UU | <b>18. NUMBER OF PAGES</b><br><br>5 | <b>19a. NAME OF RESPONSIBLE PERSON</b><br>USAMRMC |   |  |  |
| <b>a. REPORT</b><br>U   | <b>b. ABSTRACT</b><br>U | <b>c. THIS PAGE</b><br>U |   |                                     | <b>19b. TELEPHONE NUMBER (include area code)</b>  |   |  |  |

**Table of Contents**

|  | <u>Page</u> |
|--|-------------|
| <b>Introduction.....</b>                 | <b>1</b>    |
| <b>Body.....</b>                         | <b>1</b>    |
| <b>Key Research Accomplishments.....</b> | <b>1</b>    |
| <b>Reportable Outcomes.....</b>          | <b>1</b>    |
| <b>Conclusion.....</b>                   | <b>2</b>    |
| <b>References.....</b>                   | <b>None</b> |
| <b>Appendices.....</b>                   | <b>None</b> |

## **Introduction**

As statistician for specific aims 2 and 3.1, my group will work mainly with PIs and data for these aims, although we will be available to consult on statistics and design issues for any of the PIs and the Scientific Steering Committee. Our purpose is to assist in matters of design, data collection, data management, and to provide, as requested, data analyses for the PIs. In addition we will aid in the dissemination of results. During the first year of the project we expect our work will mainly be in form of advisement on issues of design and data collection, assistance in setting up data bases and developing programs to aid in data cleaning. During years 2 through 4, we will continue advising on data collection and design issues as well as begin the process of cleaning the data in preparation for data analysis. We are also prepared to do data analyses where they might be required for publications based on initial data collections. However, most of the data analyses will take place in the final year when all relevant data has been collected.

## **Body of the Report**

As no data has been collected yet, our primary tasks for the first year have been to advise the PIs on matters of the clinical protocol and preparation of the human subject's applications. We have also advised collaborating investigators on issues of data management and organization, as part of the design of the Case Report Forms and the automated data collection/management system. In addition, we have worked with Dr. Levin's team to establish a mechanism by which reliability of the data collected as part of the clinical protocol will be evaluated for reliability.

## **Key Research Accomplishments**

- The clinical protocol was completed with some assistance from our group.
- The human subject's proposals were completed with some assistance from our group.
- Development of procedures for determining interrater reliability.

## **Reportable outcomes**

Abstract for Military Health Research Forum 2009 on using computer simulations for determining power for research hypotheses.

**Conclusions**

In the absence of any data being collected as yet, we have been involved primarily in data collection preparation activities. However, these activities are important as the preparations must be completed before any data can be collected.

**References**

None

**Appendices**

None