Name   Thurston Quarterly ARRA Report (4/1/10 – 6/30/10)

Instructions   Complete all fields below. If all required fields are not satisfactorily filled in you will be required to complete another survey.

Question 1   PI name (last name, first name): Pearson, Thomas

Question 2   Prime recipient award number: 3UL1RR024160-04S2

<mark>**Question 3 QUARTERLY ACTIVITY UPDATE: Please provide an update to the project status, this is exclusive of the award completeness and should update employment, recruiting, purchasing, and or any and all pre-science processes.**</mark>

In October of 2009, the University of Rochester, in collaboration with Vanderbilt University, UC Davis, and UCSF, received an administrative supplement from the NCRR to continue work begun by UCSF (in collaboration with the University of Rochester, Vanderbilt University, and UC Davis), to build a useful resource for clinical and translational researchers and consultants. In collaboration with members of the national Biostatistics, Epidemiology, Research Design (BERD) Online Resources and Education task force, we have subsequently made significant progress addressing the defined specific aims and fostering collaboration within the national consortia. Progress for this quarter is outlined by the specific aims in the grant application:

1. **Aim 1: To continue generating site content in biostatistics, research design and epidemiology topics and find a sustainable home for the CTSpedia.**

- Administrative update: We are working with Iris Obrams (NIH) on a proposal for permanent funding for the CTSpedia.
- Technical support and site hosting: Vanderbilt continues to support the project. The Vanderbilt programmers have participated in conference calls with new users to help define the optimal presentation of the material .the users plan to upload.
- 22 new and 73 updated encyclopedic entries or research articles have been added in the 3rd quarter. CTSpedia now has over 290 current topic entries (up from 165 when the ARRA supplement was written). These entries are cross referenced with embedded links to other research terms and include links to related tools and educational materials.
- Jeff Horner (Vanderbilt) programmed Peter Bacchetti's (UCSF) "Interpreting Results" as a wiki topic that can be used as a template for other projects. This application allows the user to enter a relative risk (or log relative risk) together with the upper and lower confidence limits, and the application returns sample text with appropriate phrasing that interprets these results.

- At Rochester the biostatisticians have met with CTSpedia support staff to discuss the best way to present, access, and track usage of the macros. A meeting is planned with UCSF to determine the best final template.
- At Rochester the following new macros were written and uploaded.
    a. BriefTTest: This SAS macro creates abbreviated TTest output and a dataset with theTTest results. If the p-value for the test for equality of variance is >= 0.05, then the Pooled P-value is printed, otherwise the Satterthwaite P-value is printed.
    b. AUCGEE: This SAS macro computes the area under the curve (AUC) from multiple longitudinal measurements on individuals in two groups and compares the differences between two such AUCs while adjusting for covariates effects.
- We are still looking at re-design issues throughout the CTSpedia for the best presentation of the materials. The Statistical Graphics group is weighing similar issues. A number of templates and reports for uploading tools have been designed by this group. We will present the options designed by this group to Rochester and the other statisticians working on tools to determine the optimum presentations

2. **Aim 2: To pilot a collection of workshop and short-course materials and slides related to statistical consulting and basic statistical concepts and tools.**

- Fourteen individuals sent materials for the Educational Materials section. Currently, 100 topics or biostatistical course materials have been uploaded to CTSpedia. (This material is currently only open to members of the BERD Online Education working group. Once the material is better organized it will be open to the public.) We are in the midst of linking keywords to the individual topics for easy search and retrieval of educational materials.
- A new section, Residency Training Programs, has been added to Educational Materials. Mayo's Radiology Residency Training Program in clinical research has been uploaded to the Educational Materials and 70 topics or examples of residency projects at UC Davis have also been uploaded. UC Davis is working with UNC to prepare a report on the current state of residency clinical research projects followed by an online training program.
- Andy Cucchiera at the University of Pennsylvania has created a complete list of links to the CTSAs and their educational programs. This will soon be posted on CTSpedia.
- The working group of individuals who are interested in Educational Materials (the BERD Online Education working group) has set-up regular meetings and started to discuss the types of educational materials they would like to see on CTSpedia. Borko Jovanovic (Northwestern), Rickey Carter (Mayo), and Andy Cucchiara (U Penn) will jointly chair the committee.

3. **Other collaborations:** FDA Work with Center for Drug Evaluation and Research:

- Mat Soukup and Joan Buonconsejo from the FDA made arrangements for us to share the CTSpedia and our view of collaborative work efforts at the Drug Information Association (DIA) Meetings in March, April, and June. The meetings were well attended and generated considerable interest in CTSpedia. Mary Banach (UC Davis) and Frank Harrell (Vanderbilt) are also participating in meetings with four safety graphics groups and helping them upload material to CTSpedia.
- Mat Soukup and other members of the FDA Statistical Graphics Group have written and uploaded to CTSpedia 17 R macros for visualizing safety data. (This material is not yet open to the public). The groups are currently discussing the best way to organize templates and other materials on safety issues.
- The FDA Drug Information Association participants are also interested in using the CTSpedia for an online journal and other collaborative issues.

<mark>Question 4 Provide an evaluation as to the completeness of the project. (If a subaward has been issued, this must include the status of the prime and subaward.)</mark>

      Not started
      Less than 50% complete
X   Completed 50% or more of the original goals
      Fully completed

Question 5 SUBAWARD: Is any amount of this award passed through to a Subrecipient? If you answer "Yes" to this question, please answer the next question. If you answer "No", please proceed to Question 7. Yes

Question 6 SUBAWARD: Legal Name of the Subrecipient (ie: Rochester Institute of Technology)
      University of California, Davis
      Vanderbilt University

<mark>Question 7 JOB CREATION: List the individuals performing effort on this award. (Last Name, First Name; Last Name2, First Name2; etc…)</mark>
Banach, Mary (UC DAVIS)

Question 8 VENDOR: Have you purchased anything for this project from a vendor individually greater than or equal to $25,000? No

Question 9 VENDOR: Do you anticipate purchasing anything for this project from a vendor greater than or equal to $25,000? No

Question 10 VENDOR: If you answered "Yes" to either Question 8 or Question 9, please provide the name of the vendor. No