

END OF FUNDING PERIOD REPORT

LAUC Statewide Grants, Research & Professional Development Committee

Primary Applicant(s): Linda Murphy

Campus: UCI

Email: lmurphy@uci.edu

Telephone: (949) 824-6419

TITLE OF PROJECT:

Design and Implementation of an Evidence-Based Practice (EBP) Interactive Storyboard Tutorial for the Undergraduate Medical Education Curriculum: An Innovative Approach

Time Period of Grant: 2011

Amount of Award Received: \$500

Original Abstract as Submitted:

Objective: The tutorial was designed to reduce in-class instruction by giving students an opportunity to review the EBP process at their own convenience prior to in-class instruction.

Methods: Using an innovative storyboard approach, the tutorial includes interactivity, graphics, self-assessment and voice-over narration to engage students. The tutorial (<http://www.lib.uci.edu/how/tutorials/EvidenceBasedPractice/>) is structured around an illustrative pediatric case scenario on Otitis Media. The case actively guides learners through the EBP process: constructing a focused clinical question in therapy, researching articles in PubMed, finding the evidence from a selected Randomized Controlled Trial, and briefly appraising the evidence to determine if the selected study is relevant to the question.

Results:

Limited classroom time is allowed for EBP instruction in the undergraduate medical education curriculum. This tutorial is an innovative method to offer instruction outside the classroom. It provides a resource that can be assigned or reviewed throughout the medical education programs and promotes lifelong learning in medical information literacy.

Discussion:

We will address the design and implementation of the tutorial, the collaborative efforts between the Libraries and the campus Distance Learning Center, and what we have learned throughout the collaborative process. Examples from the tutorial, usage data and suggestions for future tutorial designs will also be discussed.

I. ACCOMPLISHMENTS and EVALUATION

- Describe what was achieved during the time period of the grant.
 - The co-authors and I designed the poster and developed the ppt presentation prior to the 2011 AAMC Western Regional Conference WGEA/WGSA/WOSR/WAAHP, April 30 – May 3, 2011.
- What aspects were completed as proposed? If your study could not be completed as proposed, explain how your plans were altered.

- I delivered the tasks successfully as proposal. The conference acceptance abstracts are available at: <http://med.stanford.edu/wgea-wgsa/files/WGEA2011Bookmarked.pdf>
- Did the project accomplish what it intended? Did it make a difference?
 - Include any relevant quantitative data, if applicable (e.g. How many individuals have benefited from this project? In what way? This may include various output measures such as circulation, reference transactions, program attendance, survey responses, etc. as appropriate.)
 - Include any anecdotes, if applicable.
Evidence-Based Medicine instruction is a hot topic in the field of medical librarianship and medical education. As a result, both presentations were well attended and well received by the audients. In the presentations, I addressed the project development process and challenges we faced. I further explained our unique experience from working with the Distance Learning Instructional Designers and what my colleagues and I had learned throughout the project. In the ppt presentation, I provided examples from the tutorial and suggestions for future tutorial design.
- What would you do differently next time, if anything? Can't think of any.
- What advice do you have for others applying for LAUC research grants?
 - I would say go for it if you need funding to support your research or conference presentation. The little time it took to complete the application was worthwhile. It saved me \$500 from paying out of my own pocket.

II. IS YOUR PROJECT COMPLETED? Yes X No__

If No, what is needed to complete the project? Is more time needed? Or more funds?

III. FINANCIAL STATEMENT

Please explain how the funds received were spent. Attach your original budget and indicate how well your estimates matched with actual expenditures. Receipts are not necessary.

Original budget:

- Airfare: \$184.40
- Conference Registration: \$350
- Transportation: \$51
- Meals: \$150
 - Lodging (stayed with relatives): \$ 0

○ Total cost: \$735.40

- Total cost: \$735.40
- Amount funded: \$500
- Estimates cost: \$ 870.40

IV. SHARING YOUR PRODUCT/RESULTS

What are your plans for disseminating the results of your work? If it will be a web page or product, or published article or book, when will it be available to the public? Include citations/URLs if known.

- The goals are to make the tutorial available on the Internet for learners to review at their own convenience, to educate medical students in the basis of EBP and how to access and evaluate published scientific information as a central component in making clinical decisions with their patients, and to make the tutorial openly available for worldwide access. The tutorial is available on the UCI Libraries website at:
<http://www.lib.uci.edu/how/tutorials/EvidenceBasedPractice/>.

V. NOTE

Information included in this report may be reprinted or posted on the web for dissemination to UCOP, other UC Libraries, and future potential LAUC grant applicants.