Without Face-to-Face Limits

Using Online Modules to Expand Specialty Focused Residency EBM Instruction for the ACGME Milestone Project

Kathleen A. McGraw, MLS¹, Sarah Towner Wright, MLS¹, Karen Crowell, MLIS¹, Susan M. Martinelli, MD²

ACGME BACKGROUND

Accreditation Council for Graduate Medical Education (ACGME) Milestone Project

ACGME Milestones:
- Are competency-based developmental outcomes that can be demonstrated progressively by residents and fellows.
- Provide a rich descriptive framework for defining clinical competency.
- Guide curriculum development.
- Support better self-directed assessment and learning.
- Each specialty develops a detailed Milestone framework based on ACGME’s 6 core competencies.
- Evidence Based Medicine (EBM) Milestones are included in the Practice-based Learning and Improvement competency.

UNC-CH MODULES DEVELOPED

EBM Review and Practice: Asking Questions and Acquiring Evidence• for Anesthesiology Residents
• for Surgical Residents
• for Pediatrics Residents
• for Obestics & Gynecology Residents
• for General Medical Residents

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<th>Author Affiliations</th>
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</thead>
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<tr>
<td>University of North Carolina at Chapel Hill</td>
</tr>
<tr>
<td>¹ Health Sciences Library</td>
</tr>
<tr>
<td>² Department of Anesthesiology</td>
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OBJECTIVES

- Extend current staff capacity for Milestone focused EBM instruction by creating online module templates that can be adapted to meet the specific needs of more residency programs.
- Test effectiveness, quality and usability of sample modules.

METHODS

Online templates were developed in LibGuides v.2. Content was modeled on the 2014 face-to-face EBM instruction session for the Clinical Base Year anesthesiology residents. LibSurveys was used to integrate a pre-test and post-test with 6 knowledge and 2 self-perception questions.

The pre-test and post-test were completed by 10 residents in the anesthesiology session to provide baseline data to compare with future online-learners.

These residents were asked to review the online version of the instruction and answer a brief survey about ease of use and preferred learning mode.

PRELIMINARY FEEDBACK

7 clinical base year anesthesiology residents completed the feedback survey.

All found the module easy to understand and clearly organized.

Chart shows the distribution of answers to the statement: “I would prefer to learn and practice these skills in a group session with an instructor.”

Survey shows that knowledge about searching and self-perceived comfort can be improved through these tailored instructions.

DISCUSSION & NEXT STEPS

- The number of participants providing baseline information is small and resulting information must be used cautiously.
- Pre/post test data suggest that knowledge about searching and self-perceived comfort can be improved through these tailored instructions.
- Survey responses suggest that learning style preferences are varied.
- Face-to-face instruction is still preferred by some. Well-designed online materials provide an option for learners who prefer that format and for those unable to attend a class.
- Positive feedback on ease of use confirms that the template is adequate.
- Library school instructors will conduct a more structured evaluation of the modules.
- Promotion of the modules will be needed.