Curriculum Overview—Family Medicine Residency

Practice-Based Learning and Improvement Core Competency

Component: USF-MPM Resident Scholar Program

1. ACGME goals applicable to scholarly activity
   a. All residents must actively participate in scientific inquiry, either through direct participation in research, or undertaking scholarly projects that make use of scientific methods.
   b. Residents are expected to be able to systematically analyze practice using quality improvement methods, and implement changes with the goal of practice improvement.

2. Scholarly activity categories and learning objectives
   a. Discovery-Building new knowledge
      - Present a report of original research
        o Transform an idea into a research question
        o Choose an appropriate study design
        o Determine instrumentation to use
        o Prepare for data collection and management
        o Assist with data analysis
        o Write and submit abstract

   b. Integration-Synthesize current knowledge
      - Present a case study and literature review of a clinical problem at a state, regional, or national level
        o Identify a rare case and unique characteristics
        o Review literature identify specific teaching components
        o Submit abstract for presentation
        o Write case report manuscript for publication

   c. Application-Use knowledge for improvement
      - Present the design and results of a clinical quality improvement project conducted in the residency practice in a residency conference
        o Baseline measurement
        o Implementation of process change/intervention
        o Post-intervention assessment of patient-oriented outcomes
        o Write and submit abstract

   d. Teaching-Develop, implement, and evaluate educational resources
      - Prepare an enduring curriculum for use in a residency program:
        o Conduct needs assessment
        o Prepare objectives, activities, and evaluation
        o Conduct and summarize results of a pilot implementation
        o Present to residency faculty for incorporation into ongoing curriculum
        o Write and submit application to STFM Annual Spring Conference for workshop presentation
Curriculum Overview—Family Medicine Residency

3. Format
   a. General requirements
      • IRB approval if applicable
      • Results will be presented during the Annual Resident Scholar Day at the Turley Family Health Center
      • Abstract submitted for presentation at the STFM Annual Spring Conference or FAFP Spring Forum (alternatively, a manuscript may be submitted for publication in a peer-reviewed journal)
      • Projects must be complete for promotion (see timeline attached)
   b. Participants
      • Mandatory for PGY-2 and PGY-3 residents
      • Work individually or in teams (strongly suggest same year)
        o Maximum is 2 residents for integration and teaching categories
        o Maximum is 3 residents for discovery and application categories
      • Individuals/teams will work with a faculty mentor
      • Faculty mentor meetings are recommended twice monthly
   c. Project selection
      • July - Teams identified
      • August - Sign-up available
        o Rank preferred project category 1-4
      • September - Final project assignment
        o Only 1 project may be assigned in the teaching category due to limited opportunities for curriculum revision
        o If more than 1 team selects this category, a lottery system will be used for final assignment

4. Incentives
   • If abstract is accepted, the presentation will be funded (registration and travel) for 1 team member at a state, regional, or national meeting
   • Annual Resident Scholar Day – Best Project Award: $500.00 per resident

5. Measurable outcomes
   • Quality improvement or research project presentations during the Annual Resident Scholar Day
   • Abstracts submitted/accepted for poster presentation
   • Published abstracts
   • Manuscripts submitted/accepted publication in peer-reviewed journals
Curriculum Overview—Family Medicine Residency

Project Timeline for original research and quality improvement activities

<table>
<thead>
<tr>
<th>Element</th>
<th>PGY-2</th>
<th>PGY-3</th>
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<tbody>
<tr>
<td>Literature search</td>
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<td>Oct - Dec</td>
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<td>Protocol submission to IRB</td>
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<td>Protocol implementation and completion</td>
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<td>Data analysis</td>
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<td>Abstract or manuscript submission</td>
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<td>Resident Scholar Day presentation</td>
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### Curriculum Overview—Family Medicine Residency

#### Scholarly Activity Ranking

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<thead>
<tr>
<th>Discovery—Building new knowledge</th>
<th>Integration—Synthesize current knowledge</th>
<th>Application—Use knowledge for improvement</th>
<th>Teaching—Develop, implement, and evaluate educational resources</th>
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- Transform an idea into a research question  
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