Investigating Beliefs about EBP: The Influence on Development and Implementation of an Interdisciplinary Research and EBP Fellowship Program

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Background

- Evidence-Based Practice (EBP) improves patient outcomes as compared to traditional practice

- Lack of EBP implementation

Melnyk, Fineout-Overholt, Gallagher-Ford & Stillwell (2011)
http://journals.lww.com/ajnonline/pages/collectiondetails.aspx?TopicalCollectionId=10
Aims

- Develop and implement an interdisciplinary EBP and Research program

- Develop a culture within nursing and other healthcare professions where clinical practice is based on research evidence
Methods

- Evidence-Based Practice (EBP) Assessment Survey administered to 203 Nurses and other Healthcare professionals
  - Organizational Readiness for System-Wide Integration of EBP
  - Beliefs about EBP
  - Implementation of EBP

- Grant-funded 6-month EBP and Research education program was provided
  - JCLHN Foundation Grant GD0312-202026

- EBP post survey will be administered December 2013
EBP Survey Participants

- RNs: 70%
- Ancillary: 22%
- Directors: 7%
- Physicians: 1%
# Survey Results

<table>
<thead>
<tr>
<th>Survey</th>
<th>%</th>
<th>N</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organizational Readiness</td>
<td>51</td>
<td>103</td>
<td>Ready</td>
</tr>
<tr>
<td>Beliefs</td>
<td>90</td>
<td>182</td>
<td>Better Outcomes</td>
</tr>
<tr>
<td>Implementation</td>
<td>60</td>
<td>121</td>
<td>None Past 8 Weeks</td>
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Fellowship Overview

- 4-Hour class each week for 6 months
- Identify a clinical practice issue
- Determine if the question pertains to EBP or Research
- If Research, determine if qualitative or quantitative
- Write proposal
- Present at Network Clinical Research Council
- Western IRB Review
Key Aspects of EBP Curriculum

- Distinguish between research conduct, research utilization and EBP
- Describe barriers/facilitators to conducting EBP
- Present 5 steps of EBP
- Identify key models of EBP
- Identify key points in conducting a literature review
- Identify levels of evidence
- Identify searchable databases
- Discuss strategies to promote EBP in nursing practice
Key Aspects of Research Curriculum

- Definition of Research
- History of the Institutional Review Board
- Qualitative and Quantitative Research
- Steps of the Research Process
- Research Design
- Data Analysis
- Dissemination of Findings
Nursing and Interdisciplinary

- Descriptive Study Aimed at Improving Safety Reporting in Pediatrics
- Using Journal Clubs as an Educational Intervention to Increase Knowledge and Implementation of EBP Among Radiology Technologists
- Decreasing Device-Related Hospital Acquired Pressure Ulcers in the Intensive Care Unit
- Implementation of Aromatherapy to Decrease Anxiety in Needle Biopsy Patients in the Breast Health and Research Center
- Investigation of the Impact of Transformational Leadership on Nurse Satisfaction and Patient Outcomes
Limitations

• Grant funding for only 8 Fellows
• Difficulty getting off of units to attend class
• External IRB process
Bottom Line

- Interest in Research and EBP among Nursing staff and other health professionals
- Fellowship program effective in facilitating projects house wide
- Fellow projects demonstrate efficacy of identification of clinical practice problems and improving processes and subsequently patient outcomes
Implications for Future

- Online Fellowship Program
- Annual EBP and Research Conference
- Dissemination of Fellow Projects via Local, National, International Conferences
- Publication
- Clinical Nurse Education Mentors
- Advance Practice Nurse Mentors
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