ROPH Performance Improvement Model and Evidence Based Practice Guidelines

Relationships Among QI, EBP, and Research

<table>
<thead>
<tr>
<th>RESEARCH</th>
<th>EVIDENCE BASED PRACTICE (EBP)</th>
<th>QUALITY IMPROVEMENT</th>
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</thead>
<tbody>
<tr>
<td>DEFINITION</td>
<td>Applies a methodology to generate new knowledge or validate existing knowledge based on a theory</td>
<td>Translates best clinical evidence from research to make patient care decisions</td>
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<tr>
<td>PROCESS</td>
<td>Process of systematic, scientific inquiry, rigorous methodology to answer a research question and test a hypothesis</td>
<td>Practice guidelines may include clinical expertise and knowledge gained through experience</td>
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<tr>
<td>STRUCTURE</td>
<td>Process begins with a question and systematic review of literature, including critical appraisal, to identify knowledge gaps</td>
<td>Process begins with a question that may be founded from a problem or knowledge gap</td>
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<tr>
<td>OUTCOME</td>
<td>Measurable variables to describe, explain, predict, develop meaning, discovery, or understanding about a phenomenon</td>
<td>Systematic review of literature, including critical appraisal, to find the best available evidence and whether the evidence supports practice change</td>
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<tr>
<td>EXAMPLES</td>
<td>Providing adequate nutrition and supplements to hospitalized older adults is a clinical factor that reduces the likelihood of developing a pressure ulcer</td>
<td>Assess risk for pressure ulcer development using the Braden Scale</td>
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</table>

**QI PROCESS**

GOALS MET?

**EVIDENCE-BASED PRACTICE**

RESEARCH

EVIDENCE

**NO EVIDENCE**

**EXAM PLES**

**P = Problem**

**I = Intervention**

**C = Comparison**

**O = Outcome**

**FOCUS-PDSA**

**PLAN GENERATION OF A GOOD IDEA**

**DO SMALL TEST OF CHANGE**

**ACT ADJUST AND DO AGAIN**

**STUDY ANALYZING WHAT WORKS**

**F = Find a process to improve**

**O = Organize a team that knows the process**

**C = Clarify current knowledge of the process**

**U = Understand the causes of process variation**

**S = Select the process improvement**

**P = Plan data collection and improvements**

**D = Do; Implement the action plan**

**S = Study data; analyze if process improvement worked**

**A = Act to hold gains or re-evaluate action plans**

Parts of a care system or elements that facilitate care or the environment of care:

- Resources
- Equipment
- Numbers of Staff
- Qualifications/credentials of staff
- Work space or allocation
- Required medical record content
- Policies

The procedures, methods, means, or sequence of steps for providing or delivering care and producing outcomes.

**CLINICAL PROCESSES:**

What practitioners do for patients and what patients do in response, such as:

- Assessments
- Treatment Planning
- Medication Administration
- Education
- Discharge Planning

**CARE DELIVERY PROCESSES:**

The support activities utilized by practitioners and all suppliers of care and care products to get the product to the patient:

- Services, such as: registration, room cleaning, transport, lab
- Systems, such as: medication dispensation, equipment delivery

**MANAGEMENT PROCESSES:**

Activities performed in the governance and management systems of the organization

The results of care, adverse or beneficial, as well as gradients between; the product of one or more processes

- Clinical: Results of treatments and procedures, complications, adverse events, mortality
- Functional: ADLs, patient progress toward meeting goals
- Perceived: Patient/family satisfaction, patient level of understanding, peer acceptability

**QI PROCESS**

GOALS MET?

EVIDENCE-BASED PRACTICE

RESEARCH

EVIDENCE

**NO EVIDENCE**

**EXAM PLES**

**YES**

**NO**

**Conner BT (2014, June)**

**Newhouse, RP (2007, October)**