## Research, EBP, and QI

<table>
<thead>
<tr>
<th></th>
<th>Research</th>
<th>EBP</th>
<th>QI</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>The question</strong></td>
<td>“What is the best thing to do”?</td>
<td>“Are we doing the best thing”?</td>
<td>“Are we doing the best thing... right”?</td>
</tr>
<tr>
<td><strong>Process</strong></td>
<td>Significance of the problem</td>
<td>Significance of the problem</td>
<td>Significance of the problem</td>
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<tr>
<td></td>
<td>• Search the literature to determine the gap</td>
<td>• Search and appraise the evidence</td>
<td>• Examine internal evidence</td>
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<td></td>
<td>• Generate and test a hypothesis</td>
<td>• Implement best evidence for practice change</td>
<td>• Implement best evidence for practice change</td>
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<tr>
<td></td>
<td>• Generate new knowledge</td>
<td>• Measure outcomes of practice change</td>
<td>• Measure outcomes of practice changes</td>
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<td></td>
<td>• Disseminate findings</td>
<td>• Implement evidence</td>
<td>• Improve care</td>
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<tr>
<td><strong>Techniques</strong></td>
<td>Research Methodologies</td>
<td>PICOT, Change, ARCC, PARIHS, Stetler, Rosswurm &amp; Larrabee, Iowa, Hopkins</td>
<td>PDCA, DMAIC, Six Sigma, TQM, Lean process, dashboards and scorecards</td>
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<tr>
<td><strong>IRB</strong></td>
<td>Yes (for protection of human subjects)</td>
<td>Yes (for protection of data and publication)</td>
<td>Yes (for publication)</td>
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</table>

## Research questions are:

- directional
- based on theory

Research is about generating reliable information for a large group of people.

## EBP questions are:

- not directional
- based on clinical inquiry
- outcomes focus

EBP process is focused solely on obtaining reliable outcomes for a narrow population (my patients).

## QI/PI questions are:

- directional
- about fixing problems
- process focus

QI is about generating internal evidence, generalizable to the environment that generated it.

- Not generalizable
- Limited reliability

### “What is the best thing to do”?

### “Are we doing the best thing”?

### “Are we doing the best thing... right?”

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(614) 688-1175
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