

# Differentiating Research, Evidence-Based Practice, and Quality Improvement

	Quality Improvement	Evidence-Based Practice	Research
<b>Purpose</b>	<p>Improve patient care, work flow, productivity, costs, systems, and quality processes (internal evidence generation)</p> <p>Monitor and evaluate quality and appropriateness of best practices and care delivery</p>	<p>Change practice using best evidence, clinical expertise, and patient preferences/values (evidence implementation)</p> <p>Translate best existing knowledge into practice</p>	<p>Systematic discovery of new knowledge (external evidence generation)</p> <p>Discover, develop, test, describe, explain, predict, explore, and add new knowledge when the evidence is not sufficient in the literature</p>
<b>Question</b>	Are we doing the best thing at the right time in the right way?	Are we doing the best thing?	What is the best thing to do?
<b>Methods Used</b>	<p>Lean Principles</p> <ul style="list-style-type: none"> <li>• A3 EBP Focus PDCA</li> <li>• A3 PDCA Problem Solving</li> <li>• Strategy A3</li> <li>• A4 Daily Problem Solving</li> </ul>	Iowa Model	<p>Scientific method</p> <p>Qualitative, quantitative, or mixed methods research design</p> <p>Includes randomized controlled trials, observational studies, surveys, focus groups</p>
<b>Timing</b>	<p>Rapid Cycle</p> <p>Long-term expectations</p>	<p>Planned</p> <p>Timeline varies based on the available best evidence</p>	<p>Planned</p> <p>Timeline longer</p>
<b>IRB</b>	Strongly recommend consultation with the Scientific Nursing Research Committee prior to project initiation	Strongly recommend consultation with the Scientific Nursing Research Committee prior to project initiation	Required
<b>Example</b>	Effectiveness of the Baptist Health Graduate Nurse Residency Program	Art Impact on Patient Satisfaction Scores in an Ambulatory Cancer Center	Stroke Unit Immobility Study
<b>Dissemination</b>	<p>Unit and organization</p> <p>May publish</p>	<p>Practice standards, protocols, pathways within the organization</p> <p>May publish</p>	<p>Scientific community</p> <p>Expected to publish</p>

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<b>Clinical Nurse Role</b>	Identify process that requires improvement	Identify the clinical problem	
	Collect and analyze data	Search for the best evidence	
	Generate recommendations	Critically appraise the evidence	Participate in appraising, designing, and conducting research
	Implement process for change	Synthesize the evidence	Serve as collaborator, research team member, role model, and mentor
	Analyze organizational barriers and cost effectiveness of changes	Apply (implement) the best evidence	Disseminate research findings to scientific community
	Implement processes to decrease barriers/cost and improve care and outcomes	Evaluate outcomes	
	Disseminate findings	Disseminate findings	
<b>Sample</b>	Unit or Organization Level	Patient Population	Representative Sample
<b>Data collection</b>	Evaluation	Search and Appraise	Validity and Reliability
<b>Rigor/Control</b>	Less formal and rigorous	May be more rigorous and prescriptive	Most rigorous Use tight protocol to control for extraneous variables - provides confidence that results from an intervention are not due to chance
<b>Results</b>	Improve process Not generalizable	Impact process Not generalizable; May be transferable	Add to body of knowledge Produce knowledge generalizable beyond the study sample
<b>Implications</b>	Process Change	Practice Change	Understanding Change
<b>Other Examples</b>	Stratifying the Morse Fall Risk Tool to Identify Adult Patients for High Risk for Injury Falls National Database of Nursing Quality Indicators (NDNQI) Improving Discharge Time	Effect of blanket therapy on anxiety among preoperative patients awaiting outpatient eye surgery The effect of cognitive rehearsal on decreasing workplace bullying Early Mobilization to Prevent Pneumonia	Effects of Aromatherapy on Post Operative Nausea/Vomiting in Total Joint Replacement Patients Further Validation of the Trustworthiness Indicator Study Code Blue! What am I do to?