

Healthcare Information & Decision Equation: **Information → Decision → Action → Outcome**  
 Is it true → Is it useful → Is it usable?

**Delfini on Evidence-based Practice and the 5 Hallmarks:** "Evidence-based medicine is the use of the scientific method and application of valid and useful science to inform health care provision, practice, evaluation and decisions. The use of science is required to help reduce medical uncertainty, increase predictability and inform about the probability of benefit or harm to whom."

<b>The 5 "A"s of Evidence-based Practice</b>			
<b>ASK</b>	Create highly specific and focused key questions to frame the work. Consider PICO: patient/population, intervention, comparator, outcomes.		
<b>ACQUIRE</b>	Apply time-saving filters. Type of clinical question drives appropriateness of study type.		
<b>APPRAISE</b>	<p><b>EVIDENCE REVIEW</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Population</li> <li><input type="checkbox"/> Selection Bias                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Generation sequence</li> <li><input type="checkbox"/> Concealment of allocation</li> <li><input type="checkbox"/> Baseline characteristics</li> </ul> </li> <li><input type="checkbox"/> Performance Bias                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Successful execution</li> <li><input type="checkbox"/> Comparator</li> <li><input type="checkbox"/> Blinding</li> <li><input type="checkbox"/> Similar treatments &amp; care experience both arms</li> </ul> </li> <li><input type="checkbox"/> Data Collection Bias                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Measurement methods</li> <li><input type="checkbox"/> How much, when, why, how missing data managed</li> </ul> </li> <li><input type="checkbox"/> Assessment Bias                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Blinding</li> <li><input type="checkbox"/> Analysis</li> </ul> </li> <li><input type="checkbox"/> Other issues that could explain or distort results</li> <li><input type="checkbox"/> Efficacy and Safety Results                             <ul style="list-style-type: none"> <li><input type="checkbox"/> Mortality, morbidity, symptom relief, QOL, functioning</li> <li><input type="checkbox"/> Size of benefits</li> <li><input type="checkbox"/> Confidence intervals</li> </ul> </li> <li><input type="checkbox"/> Synthesis/Strength or Level of the Evidence</li> </ul>		
<b>APPLY</b>	<b>TRIANGULATING DECISIONS</b>		
	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p><b>1. Evidence</b></p> <p><b>2. Patient Perspective</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Benefits</li> <li><input type="checkbox"/> Harms</li> <li><input type="checkbox"/> Risks</li> <li><input type="checkbox"/> Costs</li> <li><input type="checkbox"/> Uncertainties</li> <li><input type="checkbox"/> Alternatives</li> <li><input type="checkbox"/> Applicability</li> <li><input type="checkbox"/> Satisfaction,</li> <li><input type="checkbox"/> Clinical considerations (eg tolerability, ease of use, dependency or abuse potential)</li> <li><input type="checkbox"/> Unmet needs</li> <li><input type="checkbox"/> Special populations</li> </ul> <p><b>3. Clinician Perspective</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Satisfaction, acceptability, etc.</li> </ul> </td> <td style="width: 50%; vertical-align: top;"> <p><b>4. Other Decision Considerations</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Accreditation issues</li> <li><input type="checkbox"/> Community standards</li> <li><input type="checkbox"/> Cost</li> <li><input type="checkbox"/> Ethical considerations</li> <li><input type="checkbox"/> Liability and risk management issues</li> <li><input type="checkbox"/> Marketing</li> <li><input type="checkbox"/> Media or press issues</li> <li><input type="checkbox"/> Medical community impacts</li> <li><input type="checkbox"/> Medical-legal</li> <li><input type="checkbox"/> Public relations</li> <li><input type="checkbox"/> Purchasing issues</li> <li><input type="checkbox"/> Regulatory</li> <li><input type="checkbox"/> Research realities (eg, no evidence will be able to answer clinical questions, etc.)</li> <li><input type="checkbox"/> Utilization and capacity issues</li> <li><input type="checkbox"/> Overall impact on the health care organization</li> <li><input type="checkbox"/> Other</li> </ul> </td> </tr> </table>	<p><b>1. Evidence</b></p> <p><b>2. Patient Perspective</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Benefits</li> <li><input type="checkbox"/> Harms</li> <li><input type="checkbox"/> Risks</li> <li><input type="checkbox"/> Costs</li> <li><input type="checkbox"/> Uncertainties</li> <li><input type="checkbox"/> Alternatives</li> <li><input type="checkbox"/> Applicability</li> <li><input type="checkbox"/> Satisfaction,</li> <li><input type="checkbox"/> Clinical considerations (eg tolerability, ease of use, dependency or abuse potential)</li> <li><input type="checkbox"/> Unmet needs</li> <li><input type="checkbox"/> Special populations</li> </ul> <p><b>3. Clinician Perspective</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Satisfaction, acceptability, etc.</li> </ul>	<p><b>4. Other Decision Considerations</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Accreditation issues</li> <li><input type="checkbox"/> Community standards</li> <li><input type="checkbox"/> Cost</li> <li><input type="checkbox"/> Ethical considerations</li> <li><input type="checkbox"/> Liability and risk management issues</li> <li><input type="checkbox"/> Marketing</li> <li><input type="checkbox"/> Media or press issues</li> <li><input type="checkbox"/> Medical community impacts</li> <li><input type="checkbox"/> Medical-legal</li> <li><input type="checkbox"/> Public relations</li> <li><input type="checkbox"/> Purchasing issues</li> <li><input type="checkbox"/> Regulatory</li> <li><input type="checkbox"/> Research realities (eg, no evidence will be able to answer clinical questions, etc.)</li> <li><input type="checkbox"/> Utilization and capacity issues</li> <li><input type="checkbox"/> Overall impact on the health care organization</li> <li><input type="checkbox"/> Other</li> </ul>
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<b>AGAIN</b>	Update and improve		