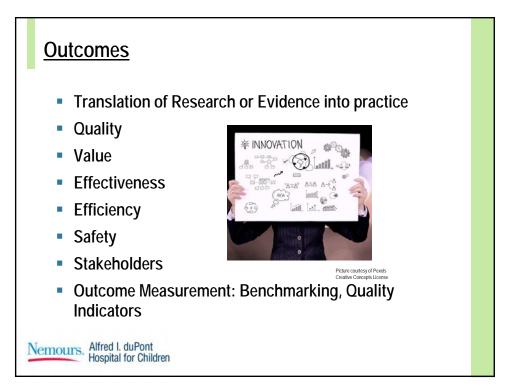


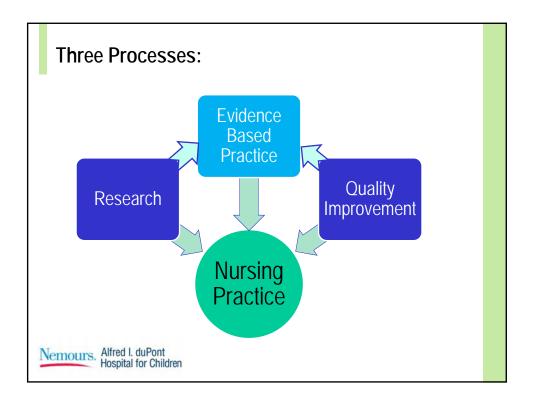
# Practice Issues

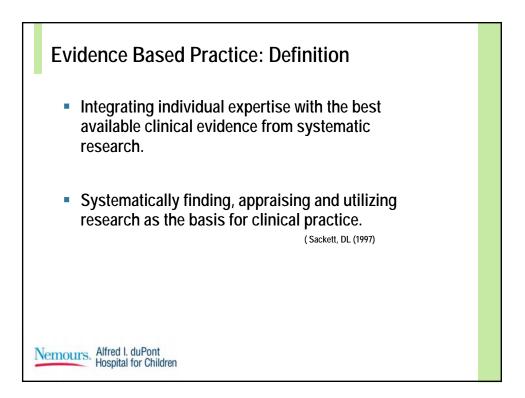
- \*Old habits never die
- Misconceptions
- Unattractive alternatives
- Misuse: over or under
- Ineffective practice, policies, protocols
- Infusion of new Technology
- Documenting worth as providers
- \*Slow infusion and difficult to change practice

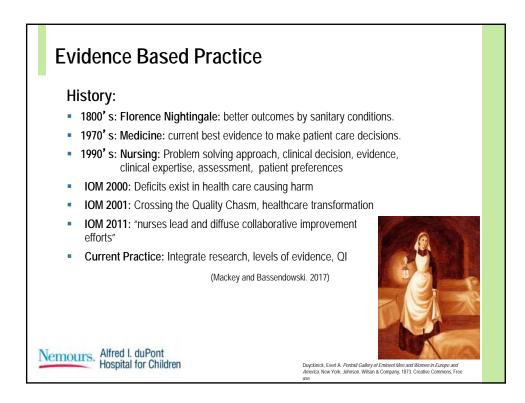
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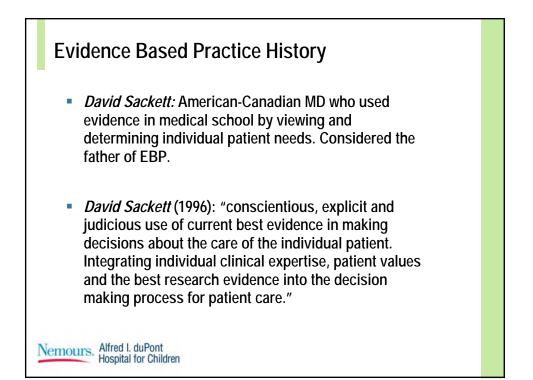


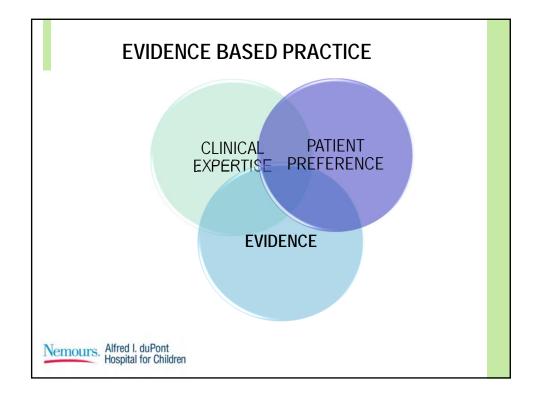


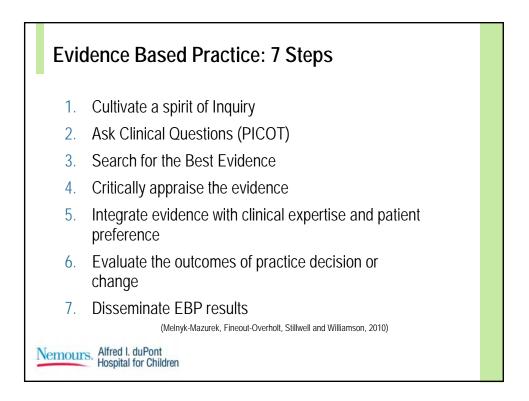


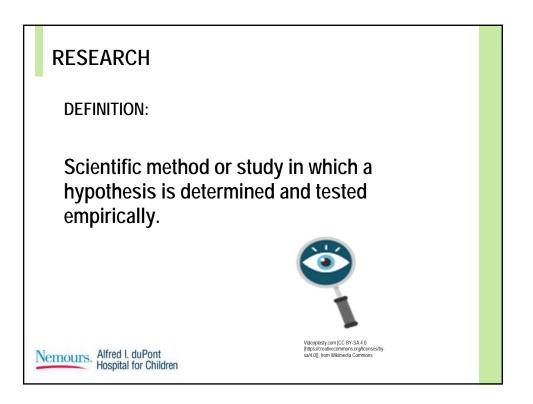


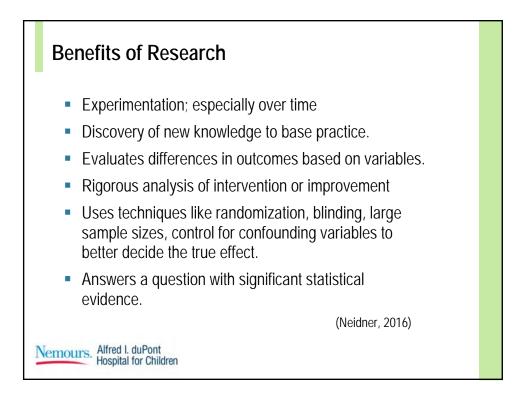










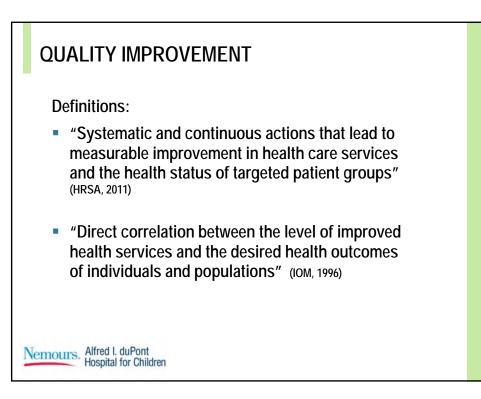


# **Steps in Research Process**

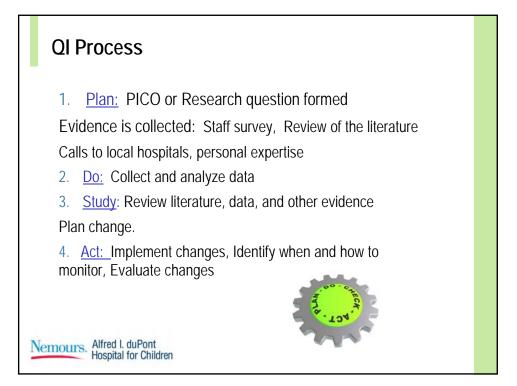
- Identify a Problem or Ask a Question.
- Review of literature
- Determine methods, design, procedures
  - Quantitative
  - Qualitative: real life
- Theoretical framework
- Human subjects protection; Consent/Assent
- Validity threats, confounding variables, etc.
- Data collection and statistical analysis
- Interpretation and Dissemination; Generalizable

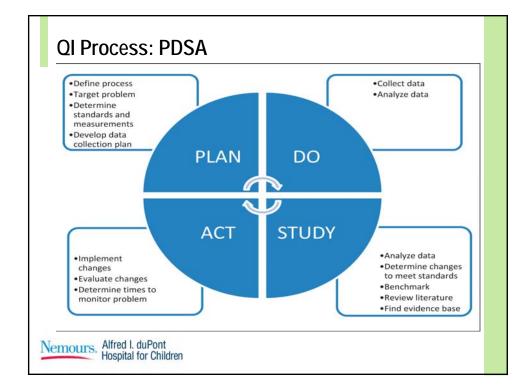
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### **Research: Types of Studies** Experimental; Quasiexperimental Observational Correlational **Clinical Trials: RCT** Meta-analysis Systematic Review Longitudinal Retrospective; Prospective Photo by mohamed Abdelgaffar from Pexels Nemours. Alfred I. duPont Hospital for Children

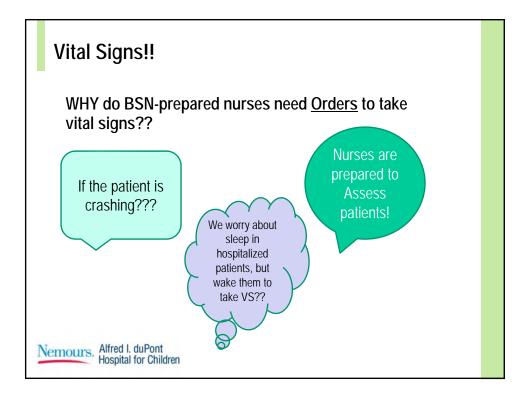


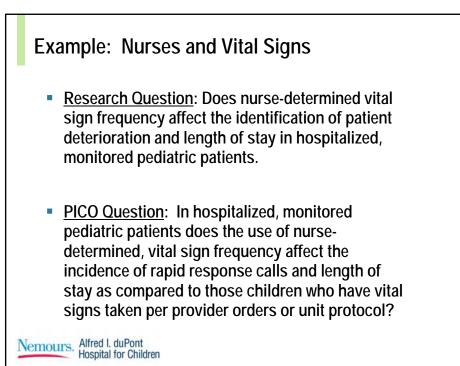




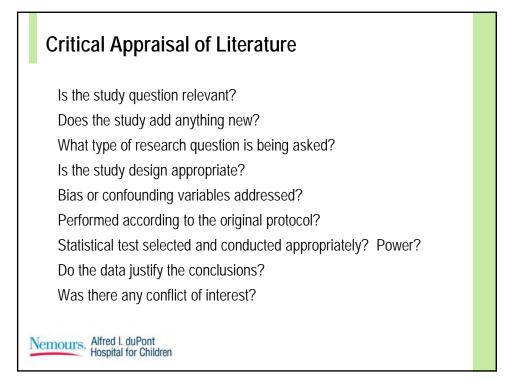


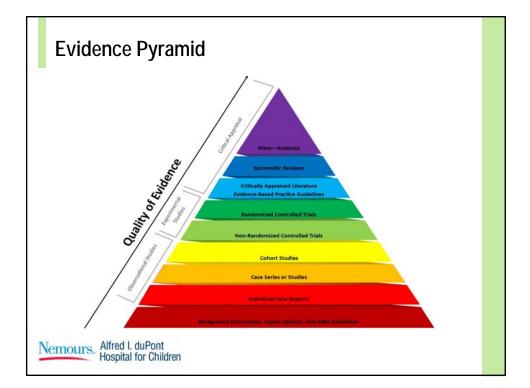


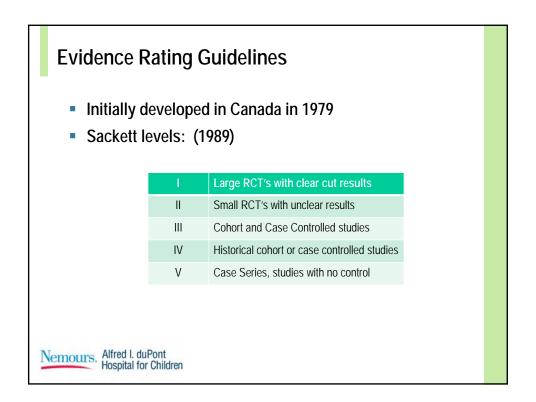


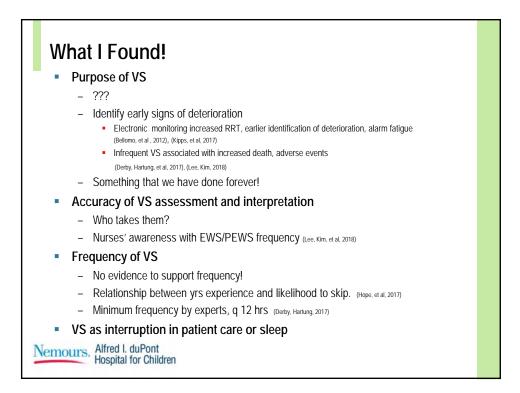


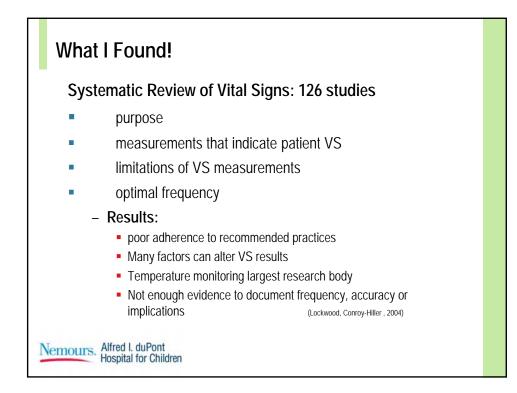


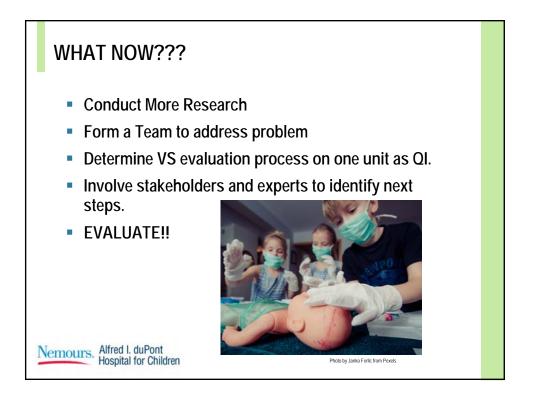


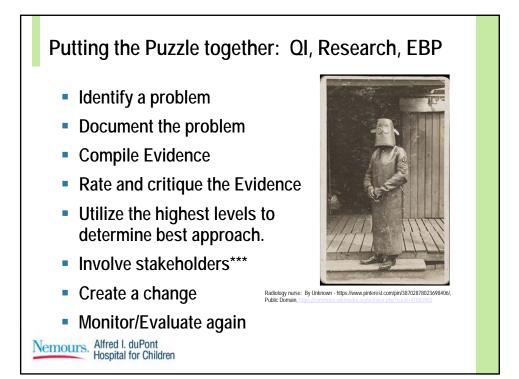


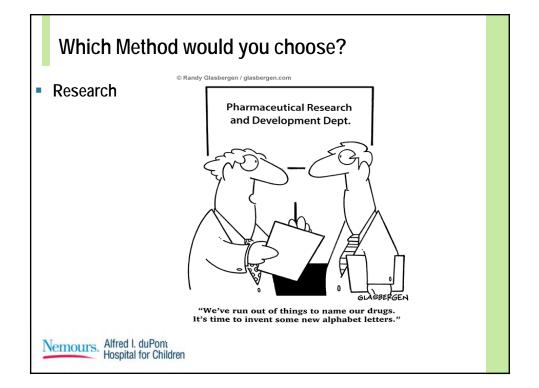


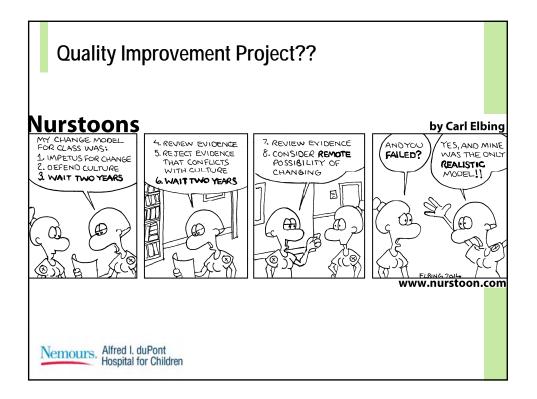












Quality Improvement:	Research Components
<ul> <li>Scientific measures</li> <li>Measures and Mechanisms change over time with on-going results.</li> <li>System processes may be changed or analyzed.</li> <li>Oriented toward systems or process improvements and measures performance outcomes.</li> <li>Testing: Parametric and nonparametric, root-cause analysis, cross walk, graphing</li> </ul>	<ul> <li>Scientific measures</li> <li>Protocol-driven intervention with strict controls and management of variables</li> <li>Specific quantitative and qualitative measurements</li> <li>Interventions with individuals, measures outcomes relative to study.</li> <li>Testing: statistical testing with significance determination</li> </ul>

# EBP versus Research???

## EBP:

Systematic, data guided projects to improve outcomes, better performance and professional development.

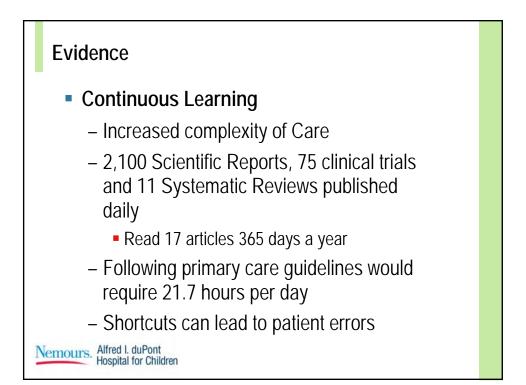
Systematic and continuous actions that lead to measurable improvements in healthcare.

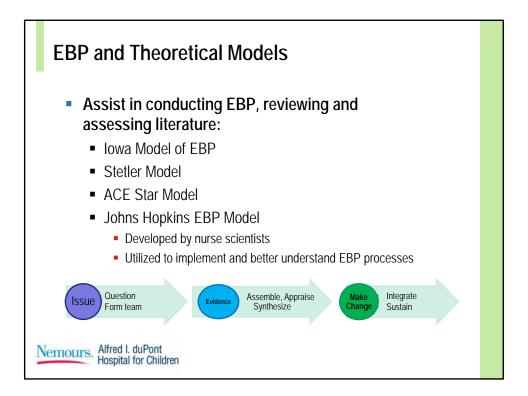
Formal approach to the analysis of improvement and systematic efforts to improve it.

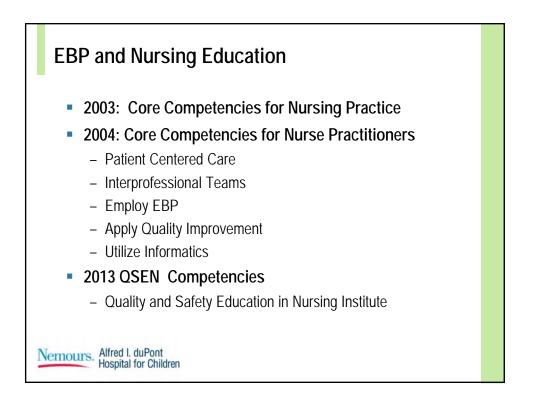
Takes much less time for translation than Research!

Involves teams, does not require high level expertise!

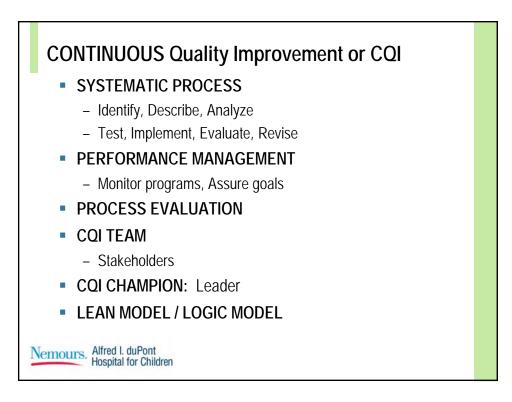
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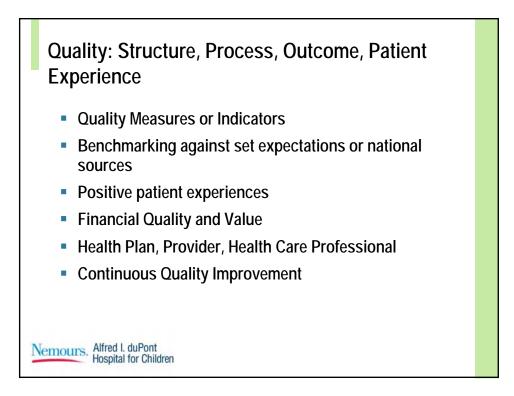
















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