

Marshall University Joan C. Edwards School of Medicine Core Competencies with Milestones

Practice-Based Learning and Improvement (PB)

Students must be able to investigate and evaluate their patient care practices, appraise and assimilate scientific evidence, and improve their practice of medicine, specifically:

Enabling Competency	Milestones students should achieve			
	Year 1	Year 2	Year 3	Year 4
A. Demonstrate skills in retrieving, critically assessing, and integrating biomedical information into clinical decision-making.	<p>PB1A1. Retrieve pertinent biomedical information from electronic databases.</p> <p>PB1A2. Obtain, analyze, and synthesize information from the medical literature.</p>	<p>PB2A1. Critically assess and apply biomedical information to address diagnostic, prognostic and/or treatment questions in clinical care setting.</p> <p>PB2A2. Define internal and external validity.</p> <p>PB2A3. Formally assess the internal and external validity of original clinical research.</p>	<p>PB3A1. Critically assess and apply biomedical information to develop a plan of care for core patient types.</p>	<p>PB4A1. Critically assess and apply biomedical information to address diagnostic, prognostic and/or treatment question in area(s) of specialty/disciplinary interest.</p>
B. Discuss the basic principles of basic, clinical, and translational research and how this research is applied to patient care.	<p>PB1B1. Describe the fundamental components of basic, clinical and translational research.</p> <p>PB1B2. Discuss the fundamental principles underlying the conduct and application of clinical trials in patient care.</p> <p>PB1B3. Describe the role of the Institutional Review Board.</p>	<p>PB2B1. Discuss how research findings are incorporated into clinical decision making and identify barriers to this incorporation.</p>	<p>PB3B1. Develop a clinical question based on a real patient, identify relevant research findings, critically evaluate the validity and reliability of that research, and discuss the application of these findings to the care of this patient.</p> <p>PB3B2. Discuss how clinical and research roles may conflict, and how processes of consent may differ.</p> <p>PB3B3. Describe the process of obtaining appropriate informed consent for</p>	<p>PB4B1. Describe the application of research findings to patient care in area of specialty/disciplinary interest.</p> <p>PB4B2. Explain research findings to patients.</p>

<p>C. Apply principles of patient safety and quality improvement to enhance patient care</p>	<p>PB1C1. Discuss the importance of patient safety and describe the basic elements of patient safety programs.</p> <p>PB1C2. Define medical error and discuss the incidence of medical error in the United States and the impact of medical error on patient outcomes.</p> <p>PB1C3. Identify quality measures and describe how these measures are validated.</p> <p>PB1C4. Discuss the principles of quality improvement and describe the basic elements of quality improvement programs.</p>	<p>PB2C1. Identify clinical situations in which patient safety may be jeopardized.</p>	<p>participation in research.</p> <p>PB3C1. Identify potential patient safety issues and identify strategies to improve outcomes in the clinical setting.</p> <p>PB3C2. Identify a change or changes in patient care at MUJCESOM that have resulted from a quality improvement project</p>	<p>PB4C1. Describe lessons learned from participation in a project to improve patient safety and present findings and recommendations.</p> <p>PB4C2. Incorporate the principles of quality improvement to improve the care of patients with core medical problems.</p>
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