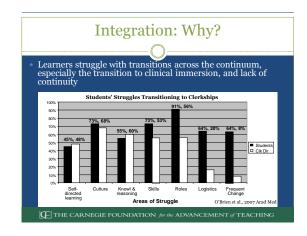
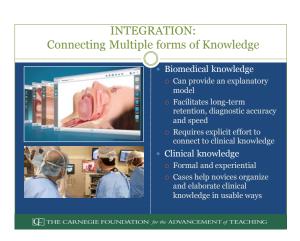


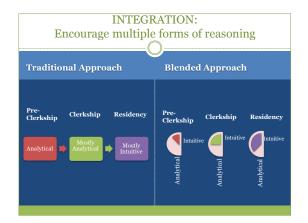
Focus on 2 recommendations from Educating Physicians Integration Inquiry, Innovation and Improvement Discuss the rationale for each using theory and research in the learning sciences & med ed Consider implications and describe practical applications and promising examples from undergraduate and graduate medical education

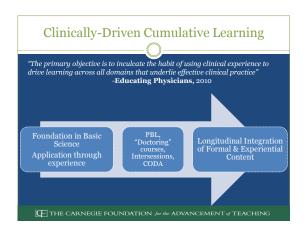


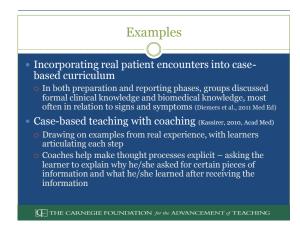


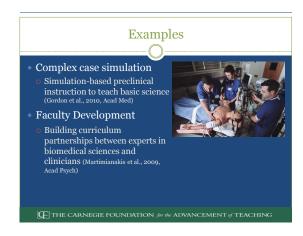


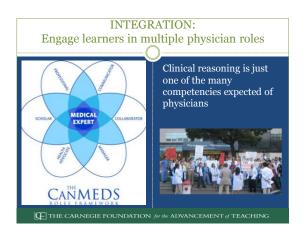
INTEGRATION: Encourage multiple forms of reasoning • We know experts rely on a combination of: • Analytical reasoning • signs & symptoms → diagnosis • full range of treatment options → plan • Intuitive or Non-analytical reasoning • Pattern recognition / similarity based reasoning • Seems automatic • Increases with experience • Do we train our learners to function like experts? Ark et al. Giving learners the best of both worlds. Acad Med, 2006; 81:405-409

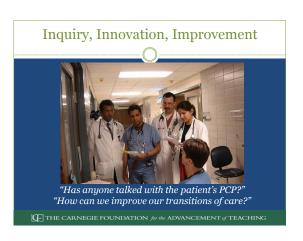












What is Inquiry and Improvement?

Habit of mind, Form of expertise, Culture

A combination of:

- Metacognitive skills
- Cultivation & reinforcement of traits/attitudes
- Communities of inquiry

Inquiry, Innovation & Improvement

- Cultivate habits of mind that support inquiry, innovation, and improvement
- Metacognitive skills (Reflection, Informed selfassessment)
- O Adaptive Expertise
- Develop communities of practice that support inquiry, innovation, and improvement

INQUIRY, INNOVATION, IMPROVEMENT Cultivate habits of mind

- Metacognitive skills
 - Critical reflection analyzing, examining, developing deeper understanding of an experience, and responding accordingly (Mezirow, 1990)
 - * May result in learning and/or improvement in practice
- Informed self-assessment



INQUIRY, INNOVATION, IMPROVEMENT Train for Adaptive Expertise

Adaptive expertise

Important for problem solving, finding innovative solutions Compliments routine expertise, which focuses on efficiency and mastery of knowledge and skills Both are learned over time



INQUIRY, INNOVATION, IMPROVEMENT Communities of practice

- Creating working and learning environments that build knowledge and strive for improvement
 - Structural supports
 - **Educational supports**
 - Social / cultural supports





THE CARNEGIE FOUNDATION for the ADVANCEMENT of TEACHING

Everyday Innovation and Big Improvement

Residents have detailed, ground-level knowledge of how systems of care are working, or not. Too often, however, this knowledge is not captured and converted to the benefits of patients.
-Educating Physicians, 2010



- Collaboration with other health professionals to maximize the efficiency and effectiveness of care processe
- to support them
- Project-based assessments
- Taking responsibility for excellence



