Informatics Competency Statements (April 2012)

All graduates of the College of Medicine will demonstrate the following competencies:

1. **Patient Care Informatics Competencies**
   1.1 Identify the types of information needed for appropriate documentation and document a clinical encounter.
   1.2 Access and maintain patient medical information electronically using an electronic medical record (EMR/EHR)
   1.3 Identify, evaluate and use appropriate Patient Education Materials at the point of care.
   1.4 Locate and utilize clinical practice guidelines and decision support resources in the clinical decision making process.

2. **Medical Knowledge Informatics Competencies**
   2.1 Assess the reliability and validity of health information on the Web and other media.
   2.2 Use the FSU Virtual Medical Library resources, i.e., journals, books, databases,
   2.3 Conduct appropriate literature searches and apply results to answer clinical and research questions.
   2.4 Demonstrate the ability to critically review the medical literature applying levels of evidence to the decision making process.

3. **Practice Based Learning and Improvement Informatics Competencies**
   3.1 Demonstrate knowledge of learning styles, preferences and strategies to facilitate lifelong learning
   3.2 Identify effective and efficient strategies for staying current, including identifying information resources useful to keep up-to-date.
   3.3 Use highly-referenced, decision support tools at point of care (POC) and other settings (i.e. disease and drug references, treatment guidelines, diagnostic tools, and prevention resources that may be available as web sites, mobile applications, computer software, etc.)
   3.4 Perform each of the steps of the EBM process:
      a) Formulate a clinical question, identify the type of question,
      b) identify the type of research that would answer that type of question, then
      c) search the primary literature for evidence-based information using evidence-based search filters,
      d) search EBM databases such as Clinical Evidence, DynaMed or Essential Evidence Plus for digested forms of relevant evidence,
      e) evaluate the usefulness and applicability of the information found to the particular circumstance,
      f) communicate the evidence to the patient.
   3.5 Interpret the level of evidence of information resources based on CEBM, SORT, and other criteria.
   3.6 Demonstrate skill and the use of information technology to identify online resources which contain medical statistical data sets.
   3.7 Identify the role of informatics in practice-based quality improvement.
4. Interpersonal & Communication Skills Informatics Competencies
   4.1 Demonstrate professional presentation skills
   4.2 Demonstrate the use of software to support professional presentations such as PowerPoint
   4.3 Demonstrate the ability to produce appropriate handouts for professional presentations using a variety of applications
   4.4 Demonstrate knowledge of the uses of telecommunications in medicine (including telemedicine).
   4.5 A. Demonstrate knowledge of the issues surrounding the patient-doctor-computer triad: and the effects of IT on the doctor/patient relationship.
      B. Utilize technology in the patient care setting to support, not hinder, the doctor/patient relationship.

5. Professionalism Informatics Competencies
   5.1 Demonstrate the characteristics of deliberate practice in the acquisition of medical knowledge and skills for lifelong learning and adaptation to changes in the professional environment (medical system).
   5.2 Systematically document, store and retrieve all evidence of professional development and lifelong learning.
   5.3 Appropriately cite copyrighted materials used in papers, presentations, posters, etc. including web sites, images, and videos, in addition to journal articles and books.
   5.4 Systematically and reliably document all patient encounters at FSU COM in the patient encounter documentation system.
   5.5 Demonstrate knowledge of and respect for patient privacy and confidentiality as articulated in the Health Insurance Portability and Accountability Act (HIPAA), and maintain security of clinical data.
   5.6 Protect one’s professional reputation and be respectful when communicating with colleagues, patients and others when using electronic communications. (email, social media, discussion lists, etc.)

6. Systems Based Practice Informatics Competencies
   6.1 Demonstrate knowledge of the current uses of information/communications technology including clinical information systems in health care which impact patient outcomes and patient safety, positively or negatively.
   6.2 Demonstrate knowledge of current local, regional and national initiatives in healthcare IT to promote patient safety, coordinate care, improve medical research and reduce healthcare costs.