Prevention and Screening Objectives

Medical Knowledge

- Describe the fundamentals of measurement including scales and performance of measurement, basics of variability and distribution, and prevalence and incidence.
- Explain and calculate the basics of diagnostic testing and risk measurements.
- Describe the concepts of disease outcome and prognosis.
- Describe the basic concepts of study design, sampling, bias, and chance
- Explain the fundamentals of hypothesis testing and types of error.
- Explain the fundamentals of statistical inference and common statistical tests.
- Summarize the fundamentals of disease prevention and screening and the governing bodies who create the clinical guidelines.
- List common preventable diseases and summarize appropriate screening and prevention recommendations.
- Summarize pediatric and adult vaccination schedules.
- Recognize the tenets of patient counseling and how to apply these into patient care.

Patient Care

- Collect information using the electronic medical record, regarding patient screening history and develop and implement plan for future screening tests.
- Describe stages of change model for behavior change and demonstrate ability to use this model to counsel patients regarding appropriate behavioral modifications.
- Counsel patients and families regarding tenets of a healthy lifestyle including nutrition, weight management, and exercise and provide individualized recommendations on how to reach these goals.
- Screen patients for inappropriate tobacco, alcohol, and illicit drug use and counsel them regarding negative effects of these substances and appropriate means of cessation.
- Screen patients for intimate partner violence and demonstrate empathy in counseling those affected while providing adequate resources.
• Counsel patients and families on common preventable diseases and health promotion

• Counsel parents and families about infant and pediatric health and safety recommendations.

**Interpersonal and Communication Skills**

• Demonstrate the ability to effectively counsel patients and families in both inpatient and outpatient settings regarding disease prevention and health promotion goals.

• Employ cultural sensitivity when counseling and educating patients from diverse social, cultural, or socioeconomic backgrounds.

• Document counseling and educational efforts in the medical record.

**Practice Based Learning and Improvement**

• Critically appraise medical literature and use evidence-based medicine to direct patient care

• Critically evaluate one’s own strengths and limitations with regards to knowledge of disease prevention and health promotion tenets and ability to employ this knowledge clinically; where deficient, develop personal goals to improve on the weaknesses

• Proactively and continually seek feedback from others regarding one’s own ability to effectively counsel and educate patients and use this feedback to improve future performance.

• Locate relevant scientific literature and patient educational material and apply the knowledge gained to both self-education and patient care.

**Professionalism**

• Demonstrate personal accountability and responsibility by interacting respectfully with peers, faculty, staff, and patients in classroom and clinical settings.

• Demonstrate professional behavior by completing all vertical curricular requirements, including course evaluations, in a timely manner.

• Demonstrate professional behavior by responding to direct communication from the vertical curriculum Director or Coordinator in a timely fashion, particularly in circumstances related to academic performance.
• Demonstrate professional and ethical behavior by honestly completing examinations associated with the vertical curriculum without attempting to seek advantage by unfair means, and by reporting unethical behavior of peers to clerkship administration.

• Demonstrate professional and ethical behavior by honestly completing curriculum assignments and examinations without attempting to seek an advantage by unfair means; and by reporting any unethical behavior to curriculum administration.

**Systems Based Practice**

• Recognize the cost-effectiveness of recommended screening tests and how these tests can be used to reduce disease morbidity and limit future costs for the healthcare system.

• Recognize the role of other healthcare providers to provide health promotion education and delivery of screening tests in both clinical and community settings.

• Recognize the importance of obtaining quality measures and using this information to provide excellent and cost effective healthcare.

• Understand the effect of socioeconomic status on access to healthcare and demonstrate commitment to providing adequate care despite these barriers.

**Interprofessional Collaboration**

• Collaborate and communicate respectfully with other members of the healthcare system and recognize their contributions to wellness and prevention services.

**Personal and Professional Development**

• Demonstrate intellectual curiosity and acquisition of knowledge regarding disease prevention and health promotion to further self-directed learning and personal development.