

## **BSPH CORE COMPETENCY CHECKLIST FOR COURSE PETITIONS** **(Check all that apply)**

### **A. EPIDEMIOLOGY competencies**

- Epi1: Explain the importance of epidemiology for informing scientific, ethical, economic and political discussion of health issues.
- Epi2: Define the basic concepts and terminology used in epidemiology.
- Epi3: Calculate basic epidemiology measures.
- Epi4: Describe the leading causes of mortality, morbidity, and health disparities among local, regional, and global populations.
- Epi5: Apply epidemiology measures to evaluate strategies to safeguard the population's health

### **B. BIOSTATISTICS competencies**

- Biostat1: Describe the basic concepts of probability, random variation and commonly used statistical probability distributions.
- Biostat2: Explain common descriptive techniques used to summarize public health data.
- Biostat3: Analyze basic public health data using common statistical methods for inference.
- Biostat4: Interpret results of statistical analyses found in public health studies.

### **C. ENVIRONMENTAL AND OCCUPATIONAL HEALTH SCIENCES competencies**

- Env1: Identify the principles of environmental toxicology in relation to the major air, soil, water, and food contaminants;
- Env2: Evaluate policy and regulatory approaches for reducing environmental health hazards, including those stemming from natural disasters;
- Env3: Identify the framework used to identify and assess occupational and environmental hazards;
- Env4: Describe the hierarchy of controls used to reduce adverse health effects from occupational hazards, using specific examples from industry.

### **D. HEALTH POLICY competencies**

- Policy1: Define public health and the related roles and responsibilities of government, non-government agencies, and private organizations.
- Policy2: Recognize the impact of policies, laws, and regulations on both individual behaviors and population health.
- Policy3: Apply the principles of policy analysis to the evaluation of policy interventions.
- Policy4: Undertake analyses of legislation, administrative regulations, and interpretations of judicial opinions and agency rulings.

### **E. SOCIAL & BEHAVIORAL competencies**

- Soc1: Describe the multiple determinants of health and the interconnectedness of the physical, social and environmental levels of influence
- Soc2: Identify the basic theories, concepts and models from a range of social and behavioral disciplines that are used in public health research and practice.
- Soc3: Identify the causes of, and disparities in, social and behavioral factors that affect the health of individuals and populations.
- Soc4: Apply evidence-based approaches in the development and evaluation of social and behavioral science interventions to improve public health.

## **F. Communication and Informatics competencies**

- Comm1: Demonstrate effective technical writing skills to communicate information relevant to public health
- Comm2: Demonstrate effective oral presentation skills to present information to peers and other professionals.
- Comm3: Demonstrate effective interpersonal skills with diverse audiences when communicating information relevant to public health practice.
- Comm4: Identify scientific data, including tools of informatics, and other information for assessing the well-being of a community.

## **G. Diversity and Culture competencies**

- Diver1: Value multicultural perspectives and sensitivities on health.
- Diver2: Develop public health programs and strategies responsive to the diverse cultural values and traditions of the communities being served.
- Diver3: Differentiate among availability, acceptability, and accessibility of health care across diverse populations.

## **H. Professionalism competencies**

- Prof1: Embrace a definition of public health that captures the unique characteristics of the field (e.g., population-focused, community-oriented, prevention-motivated, and rooted in social justice) and how these contribute to professional practice
- Prof2: Describe sentinel events in the history and development of the public health profession and their relevance for practice in the field.
- Prof3: Promote high standards of personal and organizational integrity, compassion, honesty and respect for all people.
- Prof4: Analyze ethical concerns and conflicts of interest that arise in the field of public health.