DrPH Foundational Competencies

Data & Analysis

(1) Explain qualitative, quantitative, mixed methods and policy analysis research and evaluation methods to address health issues at multiple (individual, group, organization, community and population) levels.

(2) Design a qualitative, quantitative, mixed methods, policy analysis or evaluation project to address a public health issue.

(3) Explain the use and limitations of surveillance systems and national surveys in assessing, monitoring and evaluating policies and programs and to address a population's health.

Leadership, Management & Governance

(4) Propose strategies for health improvement and elimination of health inequities by organizing stakeholders, including researchers, practitioners, community leaders and other partners.

(5) Communicate public health science to diverse stakeholders, including individuals at all levels of health literacy, for purposes of influencing behavior and policies.

(6) Integrate knowledge, approaches, methods, values and potential contributions from multiple professions and systems in addressing public health problems.

(7) Create a strategic plan.

(8) Facilitate shared decision making through negotiation and consensus-building methods.

(9) Create organizational change strategies.

(10) Propose strategies to promote inclusion and equity within public health programs, policies and systems.

(11) Assess one's own strengths and weaknesses in leadership capacities, including cultural proficiency.

(12) Propose human, fiscal and other resources to achieve a strategic goal.

(13) Cultivate new resources and revenue streams to achieve a strategic goal.

Policies & Programs

(14) Design a system-level intervention to address a public health issue.

(15) Integrate knowledge of cultural values and practices in the design of public health policies and programs.

(16) Integrate scientific information, legal, and regulatory approaches, ethical frameworks and varied stakeholder interest in policy development and analysis.

(17) Propose interprofessional team approaches to improving public health.

Education & Workforce Development

(18) Assess and audience's knowledge and learning needs.

(19) Deliver training or educational experiences that promote learning in academic, organizational and community settings.

(20) Use best practice modalities in pedagogical practices.

DrPH Community Health Competencies

(1) Translate community and behavioral research into population-based programs and policies.

(2) Employ the basic concepts of evidence-based decision making to select and design effective and culturally appropriate intervention strategies by engaging community partners and policymakers.

(3) Collaboratively develop capacity-building strategies at the individual, organizational, and community levels.

(4) Translate health behavior theoretical models into public health interventions.

(5) Translate theories, conceptual paradigms and evidence to inform planning, implementation, evaluation and dissemination of innovative, tailored public health interventions.

(6) Facilitate the identification of health needs, interests, capacities and disparities of communities and special populations using principles and practices of community-based participatory research.

(7) Conduct qualitative research using well-designed data collection and data analysis strategies.

DrPH Epidemiology Competencies

(1) Select and critically evaluate secondary data sources appropriate for addressing a public health issue or question. Explain limitations of secondary data sets (e.g., variables of interest, nonrandom allocation, measurement error, surrogate outcomes) and recommend design and analytic solutions.

(2) Apply appropriate methods and correctly interpret complex and multifaceted data analysis in determining risk factors and causes of health and disease in populations.

(3) Justify appropriate methods for design of data collection tools and protocols, instrument reliability and validity, data monitoring and quality assurance and data archiving for analysis.

(4) Critically evaluate the influence of internal and external validity, effect modification and interaction on the process and interpretation of statistical analyses and epidemiologic data and upon subsequent inferences, conclusions and implications.

(5) Critically review and interpret public health and other scientific literature to synthesize evidence in a public health area, identify gaps in evidence and propose further epidemiologic investigation.

(6) Interpret existing public health information for epidemiologic field investigations, including public health outbreaks and propose recommendations and policy changes for control and prevention.

(7) Apply the ethical and legal principles, including the concepts of human subjects protection and confidentiality, related to the collection, management, use and dissemination of epidemiologic data for the conduct of research and public health practice.

(8) Demonstrate proficiency in the use of computer software for data entry, database management, data analysis and displaying and reporting results.

DrPH HSMP Competencies

(1) Evaluate different organizational behaviors, cultures and structures across sectors and levels of governance to improve organizational effectiveness.

(2) Integrate individual health information, population health measures and community resources to redesign health service delivery and improve population health.

(3) Assess the effectiveness of public health and healthcare services aimed at improving population health using applied research and evaluation methods.

(4) Analyze patterns of health services utilization, costs and outcomes and health system performance using applied research methods.

(5) Integrate the principles of organizational theory, behavior and culture to effectively foster shared values for evidence-based decision making and leadership within health service organizations.

(6) Align organizational quality improvement programs with state and national quality initiatives to improve organizational effectiveness and resource use.