

UNLV Masters of Public Health (MPH) Core Competencies

Effective 10/19/2021

MPH Core Competencies from Council on Education for Public Health (CEPH)

Competency Number	Competency
MPH 01	Apply epidemiological methods to the breadth of settings and situations in public health practice
MPH 02	Select quantitative and qualitative data collection methods appropriate for a given public health context
MPH 03	Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate
MPH 04	Interpret results of data analysis for public health research, policy or practice
MPH 05	Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings
MPH 06	Discuss the means by which structural bias, social inequities and racism undermine health and create challenges to achieving health equity at organizational, community and societal levels
MPH 07	Assess population needs, assets and capacities that affect communities' health
MPH 08	Apply awareness of cultural values and practices to the design or implementation of public health policies or programs
MPH 09	Design a population-based policy, program, project or intervention
MPH 10	Explain basic principles and tools of budget and resource management
MPH 11	Select methods to evaluate public health programs
MPH 12	Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence
MPH 13	Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes
MPH 14	Advocate for political, social or economic policies and programs that will improve health in diverse populations
MPH 15	Evaluate policies for their impact on public health and health equity
MPH 16	Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making
MPH 17	Apply negotiation and mediation skills to address organizational or community challenges
MPH 18	Select communication strategies for different audiences and sectors
MPH 19	Communicate audience-appropriate public health content, both in writing and through oral presentation
MPH 20	Describe the importance of cultural competence in communicating public health content
MPH 21	Integrate perspectives from other sectors and/or professions to promote and advance population health
MPH 22	Apply systems thinking tools to a public health issue

UNLV Masters of Public Health (MPH) Track Specific Competencies

Effective 10/19/2021

MPH Epidemiology and Biostatistics (EAB) Competencies

Competency Number	Competency
EAB 01	Utilize epidemiology and biostatistics concepts in the discussion of public health issues.
EAB 02	Apply proper terminology and definitions used in epidemiology and biostatistics.
EAB 03	Identify key sources of data for epidemiologic and biostatistical studies.
EAB 04	Apply ethical and legal principles pertaining to the collection, maintenance, use, and dissemination of data and other epidemiological information.
EAB 05	Evaluate community health problems through independent analysis of public health data.

MPH Environmental and Occupational Health (EOH) Competencies

Competency Number	Competency
EOH 01	Characterize the biological, chemical, and physical hazards affecting human and ecosystem health
EOH 02	Understand the effects of environmental contaminants and infectious diseases on the human body and apply knowledge of these factors in developing prevention and management strategies and making policy recommendations
EOH 03	Perform complex literature searches that aggregate results from multiple sources, assess literature quality, and demonstrate relevance to the student's work
EOH 04	Articulate the role of environmental health in the development of public policy and advocate for science-based environmental health policy positions
EOH 05	Determine and use appropriate scientific methodologies (tests and measurements) to validate hypotheses in environmental health settings

MPH Generalist (GEN) Competencies

Competency Number	Competency
GEN 01	Compare social and behavioral health theories and analyze their applicability to different public health problems and populations.
GEN 02	Describe approaches informed by social epidemiology and analyze the strengths and limitations of various strategies for understanding social determinants of health.
GEN 03	Describe racial and ethnic health disparities that exist nationally and in Nevada and identify methods for incorporating potential solutions.
GEN 04	Explain the role of law in public health and compare legislation, regulation, and litigation as legal and public health tools.
GEN 05	Design social and behavioral change interventions that are appropriate and responsive to the social and cultural context using a logic model and evaluation plans.

MPH Healthcare Administration (HCA) Competencies

Competency Number	Competency
HCA 01	Apply principles of strategic planning, marketing, and patient and staff experience as it applies to public health and/or a healthcare services organization.
HCA 02	Apply performance improvement concepts to address organizational performance issues aligned with quality, cost, and access.
HCA 03	Possess the ability to compile and analyze financial data: develop capital, operating, and cash flow budgets; analyze investment data; pro forma development.
HCA 04	Apply organizational theory and behavior to develop, assess, and design or redesign health care organizations.
HCA 05	Use information technology to operationally improve performance, data security, and integrity, and deliver patient transparency in health care.

MPH Social and Behavioral Health (SBH) Competencies

Competency Number	Competency
SBH 01	Interpret and apply psychosocial and behavioral theory as a basis for planning, implementation, administration, management, and evaluation of health education/promotion programs.
SBH 02	Indicate relevant and targeted priority populations, partners, and other stakeholders in the health promotion evaluation process, from planning to dissemination.
SBH 03	Identify the links between social determinants of health; disease exposure, risk factors, and health outcomes.
SBH 04	Describe the socio-political dynamics that can promote health equity and/or contribute to health disparities.
SBH 05	Define and illustrate the utilization of evidence base strategies for improving health equity, decreasing health disparities, and/or impacting the social determinants of health.