

UTC MPH Core Competencies

I. Evidence-based Approaches to Public Health

1. Apply epidemiological methods to the breadth of settings and situations in public health practice
2. Select quantitative and qualitative data collection methods appropriate for a given public health context
3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate
4. Interpret results of data analysis for public health research, policy or practice

II. Public Health & Health Care Systems

5. Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings
6. 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

III. Planning & Management to Promote Health

7. Assess population needs, assets and capacities that affect communities' health
8. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs
9. Design a population-based policy, program, project or intervention
10. Explain basic principles and tools of budget and resource management
11. Select methods to evaluate public health programs

IV. Policy in Public Health

12. Discuss multiple dimensions of the policy-making process, including the roles of ethics and evidence
13. Propose strategies to identify stakeholders and build coalitions and partnerships for influencing public health outcomes
14. Advocate for political, social or economic policies and programs that will improve health in diverse populations
15. Evaluate policies for their impact on public health and health equity

V. Leadership

16. Apply principles of leadership, governance and management, which include creating a vision, empowering others, fostering collaboration and guiding decision making
17. Apply negotiation and mediation skills to address organizational or community challenges

VI. Communication

18. Select communication strategies for different audiences and sectors
19. Communicate audience-appropriate public health content, both in writing and through oral presentation
20. Describe the importance of cultural competence in communicating public health content

VII. Interprofessional Practice

21. Perform effectively on interprofessional teams

VIII. Systems Thinking

22. Apply systems thinking tools to a public health issue

IX. UTC MPH Concentration Competencies in Chronic Disease Prevention & Control

23. Describe the etiology and pathology of chronic diseases and their antecedent risk factors
24. Evaluate the impact of social determinants of health and the design of healthy communities on the distribution of chronic diseases
25. Establish priorities for chronic disease prevention and control efforts, in concert with community partners and stakeholders, by identifying and using primary and secondary data sources, community health status and health assessment data
26. Select basic social and behavioral strategies for diverse populations of individuals for the prevention and control of chronic diseases
27. Design a multi-level physical activity and nutrition intervention that includes social, cultural, environmental, and policy components