HEALTH CARE ORGANIZATION AND POLICY PROGRAM COMPETENCIES

MASTER OF PUBLIC HEALTH COMPETENCIES

Health in Health Care Organization MPH Competencies (also online and fast track MPH)

HCOP 1: Describe the main components and issues regarding organization, financing, and delivery of health services and public health systems in the U.S.

HCOP 2: Evaluate the effectiveness and outcomes of health care services, programs, and policy interventions in improving health, quality, and access to care.

HCOP 3: Apply basic planning, management, and leadership skills for successful administration of health care organizations and the execution of public health programs.

HCOP 4: Apply "systems thinking" and systems analysis for resolving organizational and public health practice issues.

HCOP 5: Apply quality and performance improvement concepts to address organizational performance issues.

HCOP 6: Apply organizational theory and organizational behavior theory to professional practice by examining organization structure, management, finance and budgeting, human resources, contracts, negotiation, and operations research in health care and public health settings.

Maternal and Child Health Policy and Leadership MPH Competencies (also online)

HCOP 2: Evaluate the effectiveness and outcomes of health care services, programs, and policy interventions in improving health, quality, and access to care.

HCOP 7: Demonstrate leadership skills to address maternal and child health issues and problems.

HCOP 8: Describe the historical and scientific basis for current MCH programs, policies, and practices for agencies and programs that serve women, children, children and youth with special health care needs, families, and other MCH populations.
**HCOP 9:** Assess the individual, community, and systems-level needs of the women, children, children and youth with special health care needs, families, and other MCH populations, including agencies and organizations that serve these populations.

**HCOP 10:** Synthesize core MCH concepts, theories, and knowledge into the understanding of public health programs, practice, and policies related to women, children, children and youth with special health care needs, families, and other MCH populations.

**HCOP 11:** Integrate didactic learning with practice-based activities that enhance MCH systems development in the community.

**Health Policy MPH Competencies**

**HCOP 1:** Describe the main components and issues regarding organization, financing, and delivery of health services and public health systems in the U.S.

**HCOP 2:** Evaluate the effectiveness and outcomes of health care services, programs, and policy interventions in improving health, quality, and access to care.

**HCOP 12:** Identify analytical strategies for particular policy analysis issues.

**HCOP 13:** Evaluate technical policy analysis literature.

**HCOP 14:** Describe the theoretical frameworks related to health politics and the processes of policy formulation, implementation, and change.

**HCOP 15:** Describe the public health policy-making process in the U.S.

**HCOP 16:** Conduct econometric analysis of the effect of laws and regulations on health and health expenditures.
MASTER OF SCIENCE IN PUBLIC HEALTH COMPETENCIES

Outcomes Research MSPH Competencies

HCOP 3: Evaluate the effectiveness and outcomes of health care services, programs, and policy interventions in improving health, quality, and access to care.

HCOP 17: Describe methods used in outcomes research, including decision analysis, computer modeling, and simulation.

HCOP 18: Build medical decision models to determine the costs and effectiveness of clinical treatments (e.g. Tree Diagram, Markov Transition, Agent-Based, Systems Dynamics, Discrete Event).

HCOP 19: Use best practice guidelines for the conduct of cost-effectiveness analyses to critically evaluate published studies comparing the costs and effectiveness of interventions intended to promote improved health.

HCOP 20: Describe the laws and regulations regarding drug approval and marketing in the United States.

HCOP 21: Analyze the likely consequences of proposed policy changes intended to lower the costs of newly approved prescription drugs.

HCOP 22: Apply the outcomes research methods covered in courses to an original project assessing the relative cost-effectiveness of two or more options for the treatment or prevention of some disease or condition.

DOCTOR OF PUBLIC HEALTH COMPETENCIES

School Wide DrPH Competencies

DRPH 1: Demonstrate in-depth understanding of the core areas of public health theory, policy, and practice.

DRPH 2: Analyze policy issues and challenges in public health using credible research designs and statistical methods.

DRPH 3: Research relevant literature and synthesize the findings.
**DRPH 4:** Evaluate information to develop appropriate strategies to address public health challenges in an area of specialization.

**DRPH 5:** Implement interventions to address public health challenges.

**DRPH 6:** Demonstrate skill in oral and written communication to varied audiences.

### Health Care Organization and Policy DrPH Competencies

**MGMT 1:** Apply advanced financial management concepts and methods to measure, evaluate, and improve the performance of community practice-based organizations.

**MGMT 2:** Apply organizational theory and strategic management concepts to the effective design and operation of community practice organizations.

**MGMT 3:** Diagnose community-level public health challenges and recommend and implement effective organizational, programmatic, and management solutions based on research findings.

**MGMT 4:** Translate organizational and management theory to public health practice context.

**MGMT 5:** Appraise research hypotheses around the organization, leadership, and management of public health practice.

### Outcomes Research DrPH Competencies

**OR 1:** Apply advanced statistical and econometrics methods to support outcomes research and health policy analysis.

**OR 2:** Use decision analysis and computer simulation modeling to determine cost-effectiveness, cost-utility, and cost-benefit of clinical treatments and policy interventions.

**OR 3:** Communicate the ethical and political challenges of translating outcomes research into policy.

**OR 4:** Evaluate outcomes research and policy interventions from multiple stakeholder perspectives.

**OR 5:** Integrate patient-centered perspectives into the evaluation of clinical interventions and health policy actions.
Maternal and Child Health DrPH Competencies

**MCH 1:** Translate advanced research skills into management, policy, and practice-relevant tools and techniques for the benefit of the MCH population and relevant organizations and agencies.

**MCH 2:** Develop research approaches and practice-based skills that enhance the well-being of the MCH population and those agencies and organizations that serve the population.

**MCH 3:** Evaluate MCH practice in the context of leadership, research, and evaluation.

**MCH 4:** Demonstrate advanced research skills in MCH life-course context.

**MCH 5:** Critique, design, and investigate research hypotheses around MCH systems and practice.