MASTER OF PUBLIC HEALTH

Health Care Organization and Maternal and Child Health – MPH Competencies

MPH-HCOP-1: Justify the selection of evidence-based public health programs or interventions appropriate to for specific stakeholders and populations.

MPH-HCOP-2: Apply microeconomic principles and policy analysis techniques to evaluate public health policies and programs grounded in evidence-based approaches.

MPH-HCOP-3: Interpret options for qualitative or quantitative methods to be used for program and policy implementation and evaluation.

MPH-HCOP-4: Defend ethical principles to public health issues and practice.

MPH-HCOP-5: Develop evaluation plan aligned to an evidence-based public health program.

MPH-HCOP-6: Evaluate leadership and management techniques used to oversee and guide complex public health systems.

MPH-HCOP-7: Evaluate the collaboration and coordination between public health, health care, and other systems.

MASTER OF SCIENCE IN PUBLIC HEALTH

Outcomes Research – MSPH Competencies

MSPH-HCOP-OR 1: Evaluate the effectiveness and outcomes of health care services, programs, and policy interventions in improving health, quality, and access to care.

MSPH-HCOP-OR 2: Describe methods used in outcomes research, including decision analysis, computer modeling, and simulation.

MSPH-HCOP-OR 3: 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).

MSPH-HCOP-OR 3: 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.

MSPH-HCOP-OR 4: Describe the laws and regulations regarding drug approval and marketing in the United States.

MSPH-HCOP-OR 5: Analyze the likely consequences of proposed policy changes intended to lower the costs of newly approved prescription drugs.

MSPH-HCOP-OR 6: Apply outcomes research methods to an original project assessing the relative cost-effectiveness of two or more options for the treatment or prevention of a disease or condition.
DOCTOR OF PUBLIC HEALTH

Health Policy and Organization – DrPH Competencies

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

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

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

DRPH-HCOP-MGMT 4: Translate organizational and management theory to public health practice context.

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

Maternal and Child Health Policy – DrPH Competencies

DRPH-HCOP-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.

DRPH-HCOP-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.

DRPH-HCOP-MCH 3: Evaluate MCH practice in the context of leadership, research, and evaluation.

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

DRPH-HCOP-MCH 5: Critique, design, and investigate research hypotheses around MCH systems and practice.

Outcomes Research – DrPH Competencies

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

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

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

DRPH-HCOP-OR 4: Evaluate outcomes research and policy interventions from multiple stake-holder perspectives.

DRPH-HCOP-OR 5: Integrate patient-centered perspectives into the evaluation of clinical interventions and health policy actions.

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