



Leveraging Interprofessional Synergies to Strengthen Population Health DNP NP Education

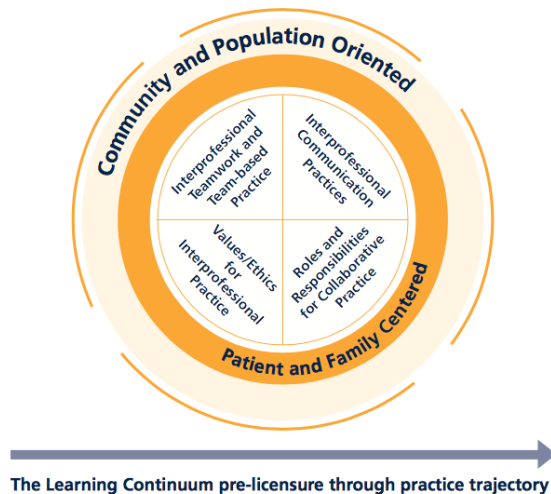
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Objectives

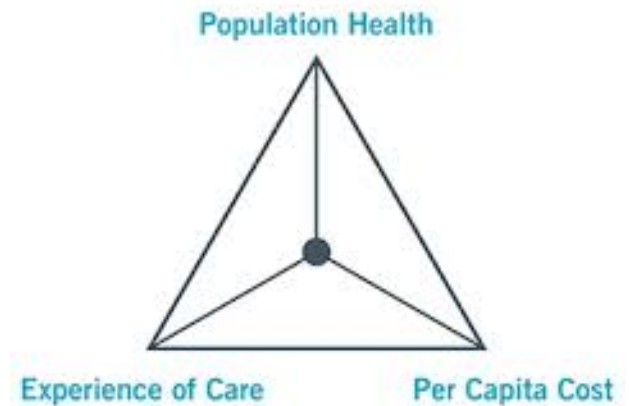
- Explore the drivers for the development of a MPH DNP curriculum track
- Identify interprofessional education and practice synergies between the MPH and DNP practice degrees
- Analyze challenges and lessons learned in the ongoing development of a MPH DNP joint degree offering
- Review outcomes: DNP project exemplars from MPH DNP learners

Creating Synergies: Drivers

- Learner Request
- Available Resources
- Triple Aim
- Interprofessional Practice



The IHI Triple Aim



<http://www.ihl.org/Engage/Initiatives/TripleAim/Pages/default.aspx>;
<https://www.ipecollaborative.org/about-ipec.html>

MPH/DNP Interprofessional Synergies

- **Interprofessional core competencies**
 - Teamwork
 - Communication
 - Collaborative practice
 - Interprofessional values and ethics
- **Leverage faculty expertise and interprofessional fieldwork opportunities**
 - Build on MPH competencies to the development of a *population health focused* DNP project relevant to primary care NP practice.
- **Additional career opportunities**

Public Health & Population Health Definitions

Public Health:

Public health is “the science and art of preventing disease, prolonging life, and promoting health through the organized efforts and informed choices of society, organizations, public and private communities, and individuals.” (CDC, 2014)

Population Health:

“the health outcomes of a group of individuals, including the distribution of such outcomes within the group,”

.....population health includes health outcomes, patterns of health determinants, and policies and interventions that link these two”. (Kindig & Stodart, 2003)

How is Public Health Different From Population Health ?

“Public health works to protect and improve the health of communities through policy recommendations, health education and outreach, and research for disease detection and injury prevention. It can be defined as **what “we as a society do collectively to assure the conditions in which people can be healthy”** (Institute of Medicine, 1988). On the other hand, population health provides “ opportunity for health care systems, agencies and organizations to work together in order to **improve the health outcomes of the communities they serve**”. (CDC,2019)

<https://www.cdc.gov/pophealthtraining/whatis.html>

MPH Competencies:

Evidence-based Approaches to Public Health

CEPH MPH Competencies	CCNE DNP Essentials
<ol style="list-style-type: none">1. Apply epidemiological methods to the breadth of settings and situations in public health practice2. Select quantitative and qualitative data collection methods appropriate for a given public health context3. Analyze quantitative and qualitative data using biostatistics, informatics, computer-based programming and software, as appropriate4. Interpret results of data analysis for public health research, policy or practice	<ul style="list-style-type: none">• DNP Essential I. Scientific Underpinnings for Practice• DNP Essential III. Clinical Scholarship/Analytical Methods for EBP

MPH Competencies:

Public Health & Health Care Systems

CEPH MPH Competencies	CCNE DNP Essentials
<p>5. Compare the organization, structure and function of health care, public health and regulatory systems across national and international settings</p> <p>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</p>	<ul style="list-style-type: none">• DNP Essential II: Organizational and Systems Leadership for Quality Improvement and Systems Thinking• DNP Essential V: Health Care Policy for Advocacy in Health Care

MPH Competencies:

Planning & Management to Promote Health

CEPH MPH Competencies	CCNE DNP Essentials
<ol style="list-style-type: none">7. Assess population needs, assets and capacities that affect communities' health8. Apply awareness of cultural values and practices to the design or implementation of public health policies or programs9. Design a population-based policy, program, project or intervention10. Explain basic principles and tools of budget and resource management11. Select methods to evaluate public health programs	<ul style="list-style-type: none">• DNP Essential II: Organizational and Systems Leadership for Quality Improvement and Systems Thinking• DNP Essential V: Health Care Policy for Advocacy in Health Care• DNP Essential VII: Clinical Prevention and Population Health

MPH Competencies: Policy in Public Health

CEPH MPH Competencies

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 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

CCNE DNP Essentials

- DNP Essential II: Organizational and Systems Leadership for Quality Improvement and Systems Thinking
- DNP Essential V: Health Care Policy for Advocacy in Health Care

MPH Competencies: Communication

CEPH MPH Competencies	CCNE DNP Essentials
<p>18. Select communication strategies for different audiences and sectors</p> <p>19. Communicate audience-appropriate public health content, both in writing and through oral presentation</p> <p>20. Describe the importance of cultural competence in communicating public health content</p>	<ul style="list-style-type: none">• DNP Essential III. Clinical Scholarship/Analytical Methods for EBP• DNP Essential VII: Clinical Prevention and Population Health

MPH Competencies:

Interprofessional Practice & Systems Thinking

CEPH MPH Competencies	CCNE DNP Essentials
<p>21. Perform effectively on interprofessional teams</p> <p>22. Apply systems thinking tools to a public health issue</p>	<ul style="list-style-type: none">• DNP Essential II: Organizational and Systems Leadership for Quality Improvement and Systems Thinking• DNP Essential VI: Interprofessional Collaboration for improving Patient and Population Health Outcomes

MPH DNP Options: Roadmaps and Exemplars

- MSN/MPH (NP)
- MPH/DNP (NP)

The DNP/MPH Dual Degree: An Innovative Graduate Education Program for Advanced Public Health Nursing (2016)

- University of Colorado College of Nursing
- HRSA funded project to develop IPE learning opportunities for care of persons with multiple chronic conditions (MCC) (2013)
- Outcomes: High student satisfaction

Shaw, K., Harpin, S., Steinke, G., Stember, M., & Krajicek, M. (2017).

USF MPH/DNP Curriculum Map *Select Core Courses*

- **Introduction to Public Health Promotion**
- **Biostatistics in Public Health**
- **Epidemiology**
- **Communicating for Healthy Behavior and Social Change**
- **Environmental and Occupational Health**
- **Social Justice, Health Policy, Ethics, and Public Health Law**
- **Public Health Systems Leaderships and Administration**
- **Public Health Program Planning, Evaluation and Management**
- **Fieldwork/Capstone**

Leveraging Synergies Opportunities and Challenges

- **Leadership transitions**
- **Accreditation considerations**
- **Curriculum negotiations**
- **Curriculum changes**
- **Admissions processes**
- **Course delivery method**
- **Course unit loads**
- **Capstone to DNP project**



Enrollment and Progression Outcomes

- 4 MPH DNP NP Graduates
- 12 currently matriculating MPH DNP NP learners
- 4 MPH DNP NP Jonas Scholars



Completed MPH DNP Project Outcomes

- ❖ **Environmental Toxicants & Mitigation: A Clinician risk Reduction Model for Autism Spectrum Disorder**
- ❖ **Improving Care for Vulnerable Rural Populations with an Environmental Exposure Assessment and Clinical Guidelines**
- ❖ **Improving Environmental Health Knowledge Among Healthcare Providers in Indiana**
- ❖ **Hepatitis C Screening Among Veterans in Primary Care: A NP-Led Team-based Implementation in Population Management**

Next Steps

- Population Health Leadership DNP
- Starting with an IPE Competency Framework
 - Establish common ground
- Use competencies to guide learning progression
 - Define milestones and professional activities
- Use Framework for evaluation
 - Include intermediate and outcome measures



Hepp, et al. (2015).
Reeves, et al. (2015).

Professional Equipoise

- Embedded, longitudinal training
- Faculty role-modeling of inquisitiveness
- Respectful relationships
- Risk taking
- Safe and honest discussions about our differences

Smith, et al. (2015).

Thank You !

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