



Evaluation of the Master of Public Health Program CEPH Foundational Public Health Knowledge Learning Objectives



PUBLIC HEALTH PROGRAM

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Assessment Questions: Background

- The MSU Master of Public Health program ensures that all MPH graduates have Foundational Public Health Knowledge areas that align with CEPH accreditation learning objectives.
- Program in transition and CEPH accreditation 2025



Assessment Questions: Background

FOUNDATIONAL PUBLIC HEALTH KNOWLEDGE AREAS

1. Explain public health history, philosophy, and values
2. Identify the core functions of public health and 10 essential services
3. Explain the role of quantitative and qualitative methods and sciences in describing and assessing a population's health
4. List major causes and trends of morbidity and mortality in the US or other community relevant to the school or program
5. Discuss the science of primary, secondary, and tertiary prevention in population health, including health promotion, screening, etc.
6. Explain the critical importance of evidence in advancing public health knowledge
7. Explain effects of environmental factors on a population's health
8. Explain biological and genetic factors that affect a population's health
9. Explain behavioral and psychological factors that affect a population's health
10. Explain the social, political, and economic determinants of health and how they contribute to population health and health inequities
11. Explain how globalization affects global burdens of disease
12. Explain an ecological perspective on the connections among human health, animal health, and ecosystem health (e.g., One Health)



Assessment Questions

- What percentage of Foundational Public Health Knowledge areas are indicated on course syllabi and/or schedule?
- What courses cover which of the Foundational Public Health Knowledge areas?
- What methods are used to cover content?
- What methods are used to assess learning?



Workshop Objectives

- To complete an assessment of MPH program syllabi to determine percentage of CEPH Foundational Public Health Knowledge Areas (D-1) identified in syllabi and presented in course content/assessments by May 31, 2024.
- To update MPH program syllabi to ensure that 100% of the CEPH Foundational Public Health Knowledge areas are identified in syllabi, presented in course content, and assessed by July 31, 2024.



Data Discussed

- CEPH D1-1 Assessment tool utilized to review syllabi
 - Foundational Public Health Knowledge area
 - Course number & name
 - Indicated on syllabi and/or schedule (dichotomous variable, %)
 - Methods to cover content (Qualitative)
 - Methods to assess learning (Qualitative)



Conclusions Reached

- Current syllabi cover 100% of Foundational Public Health Knowledge areas
- However..
 - Not all syllabi cover key Foundational Public Health Knowledge areas
 - Some discrepancies exist between identification of Foundational Public Health Knowledge areas in syllabi and syllabi content (lecture topics, assignments, exams)
 - Some Foundational Public Health Knowledge areas represented in only a few courses and/or need strengthening
 - (Ecological perspective on connections between animal and human health, i.e. One Health; Genetic factors, i.e. molecular epidemiology, GWAS, etc.)



Items Chosen for Action

- CEPH Foundational Public Health Knowledge areas will be reviewed by faculty to align with MPH courses and to be included in syllabi.
- Course content will be reviewed to ensure that Foundational Public Health Knowledge areas are included in syllabi.
- Syllabi will be reviewed to ensure consistency between Foundational Public Health Knowledge areas and syllabi content.

Follow-up Plans & Next Steps

- Faculty summer retreat 2024
 - Faculty will review syllabi to ensure consistency between Foundational Public Health Knowledge areas listed in syllabi and syllabi content.
 - **Are Foundational Public Health Knowledge areas not included? Do they need to be, or are they adequately covered in another course, etc.?**
 - CEPH Foundational Public Health Knowledge area review to align with MPH courses and to be included in syllabi by Fall 2024.
 - **Are Foundational Public Health Knowledge areas covered in the course, but not listed on the course syllabus?**
 - Faculty will review course content areas to ensure that Foundational Public Health Knowledge areas are included in syllabi.



Questions?