



WAYNE STATE UNIVERSITY

Global Public Health Education Expert Panel: Public Health Transformation & The COVID-19 Pandemic

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Background

- The “Global Public Health: The 2020 Decade in Public Health: Transformation and the New Normal” online seminar panel was offered to public health and allied health students.
- Expert panelists included a global health dean, emergency medicine physician, pediatric anesthesiologist, public health educators and researchers.



Objectives

- Provide a 2-hour web-based venue with an academic assignment (reflection paper) to introduce participants to public health practice, ethics and research during the COVID-19 pandemic.
- Evaluative platform used selected American Association of Schools of Public Health (ASPPH) Global Health Competencies to facilitate student assessment of panel presentations.



Objectives

ASPPH Learning Objectives were:

- Analysis of roles, relationships and resources of entities influencing global health,
- Application of ethical approaches in global health research and practice, and
- Display of critical self-reflection, cultural humility and ongoing learning in global health.



Method

Quantitative evaluation was a short web-based Likert survey based on the ASPPH Global Health Learning Objectives. Preliminary results are the evaluation focus for this presentation.

Qualitative assessment summaries from student reflective papers will be addressed in future analyses.



Method (cont.)

- Public health graduate students in DFMPHS Spring/Summer 2021 FPH 7120 Global Public Health completed evaluations through Student Assessment of Teaching (SET).
- Physician Assistant students in Fall 2021 PAS 707 Fall Semester viewed the panel in a non-term Canvas Global Public Health Research seminar and completed surveys through WSU Qualtrics.



Results

Seventeen public health graduate students and 50 first year physician assistant students viewed the global public health panel.

- Fourteen public health students completed the class SET and 10 (59%) completed SET *Supplemental Questions* about the panel
- Thirty-nine (78%) physician assistant students completed the online Qualtrics survey about the panel.



Results

For students responding to the ASPPH survey, quantitative Likert scores, on a scale of (1) Strongly Disagree to (5) Strongly Agree, were in Agree to Strongly Agree ranges.

ASPPH Learning Objective	MPH Students (N=10)	PAS Students (N=39)
The panel helped me understand how to analyze roles, relationships and resources influencing global health .	Mean = 4.6 Median = 5.0 SD = 1.0	Mean = 4.0 Median = 4.0 SD = 0.8
The panel helped me understand how to display critical self-reflection, cultural humility and ongoing learning in global health.	Mean = 4.9 Median = 5.0 SD = 0.3	Mean = 4.1 Median = 4.0 SD = 0.8
The panel helped me understand how to apply ethical approaches in global health research and practice.	Mean = 4.9 Median = 5.0 SD = 0.3	Mean = 4.0 Median = 4.0 SD = 0.8



Results

Student feedback showed interest in expert panelists' perspectives on SDOH and ethics. Examples of their comments in the open-ended section of the survey said the panel provided perspectives on:

- “Training, knowledge, research and equity for universal SDOH”
- “SDOH and the COVID-19 syndemic and the science of primary, secondary and tertiary prevention in population health”
- “The biggest enemy in our country is COVID- misinformation”
- “How to get patients to trust us as healthcare providers”



Evaluation Process – Recommendation

Although the students who completed the ASPPH evaluation questions rated the panel highly, the response rate for MPH students was low.

- The ASPPH questions were designed as *SET Supplemental Questions*; response rate (59%) was lower than for the overall SET Summary Course Evaluation (82%) conducted at the same time.
- It is recommended the survey be conducted as a confidential WSU Qualtrics survey immediately after the panel, with a Reminder the next day for non-respondents, for the goal of an 80% response rate.



Discussion

- Implementation of the panel utilized existing university resources, including BioMed Communications.
- Students appreciated discussion of the intersection of public health ethics, practice and research during the COVID-19 pandemic.
- Enhanced outcomes included subsequent MPH student submissions to a peer-reviewed research conference, and projected use of the panel presentation for a WSU global health research seminar.



Discussion and Public Health Implications

This venue is designed to provide a sequence of public health education panels available to WSU students and research partners.

- Public health and physician assistant students noted SDOH during the COVID-19 pandemic, especially health care access and social - community context, have impacted public health locally and globally.
- The approach holds potential as a web-based module for medical students/residents or in certificate-based continuing education.

