Public Health Emergency Preparedness and Response Curriculum

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Part of the Emergency preparedness & response curriculum & career pathways webinar series
Bdote is a Dakota word that generally means “where two waters come together.” The bdote where Haháwakpa (Mississippi River) and the Mníšota Wákpé (Minnesota River) come together is central to Dakota spirituality and history. This image shared by Sandra Mitchell, Ed.S. Director of Equity and Inclusion at St. Catherine University.
EPR Project Overview

• Build a publicly available online resource hub for Emergency Preparedness and Response (EPR) content and curricula
  - Inclusion of resources focused on deepening a health equity lens

• Encourage MPCF member institutions’ use of the resource hub by providing support for curricula implementation to interested faculty

• Support additional projects at MPCF member institutions that advance MDH’s EPR goals via subgrants.

• Work guided by Advisory Group
Session Objectives

• Provide overview of public health emergency preparedness & response (EPR)

• Integrate health equity as an integral component of EPR

• Explore various ways to integrate content within undergraduate and graduate public health & health related programs
Project Support

• This webinar and support for the overall EPR project was made possible through a COVID-19 Public Health Workforce Supplemental Funding grant from the Centers for Disease Control and Prevention and is being administered by the Minnesota Department of Health.
Project Consultants

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Example Definitions

- **Disaster**: “an occurrence of a natural catastrophe, technological accident, or human-caused event that has resulted in severe property damage, deaths, and/or multiple injuries."

- **Emergency**: “any incident, whether natural, technological, or human-caused, that requires responsive action to protect life or property.”
  - Public Health Emergency

- **Hazard**: “something that is potentially dangerous or harmful, often the root cause of an unwanted outcome.”
What is Public Health Emergency Preparedness and Response?

- Field that includes the planning and response to the public health consequences of disasters and emergencies

- Public Health's Role
Background and Basics

• 10 Essential Public Health Services
• National Response Framework
• Core Competencies for Public Health Professionals
• Public Health Emergency Preparedness Capabilities (PHEP)
PHEP Capabilities

- Community Preparedness
- Community Recovery
- Emergency Public Information & Warning
- Information Sharing
- Medical Countermeasure Dispensing
- Public Health Surveillance and Epidemiological Investigation
- Responder Safety and Health
- Volunteer Management

Mass Care
Fatality Management
Public Health Laboratory Testing
Emergency Operations Coordination
Medical Surge
Medical Materiel Management & Distribution
Non-Pharmaceutical Interventions

Community Preparedness

- Ability of communities to prepare for, withstand, and recover from public health emergencies/disasters:
  - Support development of public health, health care, mental/behavioral health, and environmental health systems
  - Training on how prevention, responding to, and recovering from
  - Promote awareness and access to resources
  - Address access and functional needs of communities
Medical Countermeasures Dispensing & Administration

- Medicines and medical supplies that can be used to diagnose, prevent, or treat diseases related to chemical, biological, radiological, or nuclear (CBRN) threats.
  - Biologic products – vaccines, blood products, and antibodies
  - Drugs – antimicrobial or antiviral drugs
  - Devices – diagnostic tests to identify threat agents and personal protective equipment (PPE)

Public Health Surveillance and Epidemiological Investigation

- Conduct public health and epidemiologic investigations
  - Outbreaks of disease, injury, and or exposure
- Support to local public health departments
- Share findings with community and partners

Framing Emergency Preparedness and Response Curriculum for Students
Health Impact of Disasters and Emergencies

• Outlining types of disasters and public health emergencies

• Direct and indirect health impacts from the disaster
  o Short-term
  o Long-term
Health Equity Lens in Emergency Preparedness and Response

• Disasters do not impact everyone equally in a community
  ○ Worsen disparities and inequities

• Social Vulnerability integrated with Planning and Response
  ○ Exploring the Social Vulnerability Index

• Assessing Access and Functional Needs
Public Health Emergency Preparedness and Response Curriculum
Integrating EPR within Public Health and Health-Focused Curriculum

• Be Creative: what is your goal/objective? How you want cover?

• Utilize Public Health Emergency Response and Preparedness Capabilities as a guide
  • Coming soon – Resource Hub

• Connect to local community: local public health, state health department, or community-based organizations

• Develop an elective course or integrating into existing course:
  • Epidemiology
  • Environmental Health
Some curriculum examples

• Hosting a career panel
  • Showcasing professional options/roles in the field

• Develop an interprofessional exercise/workshop/session
  • Highlight interprofessional/interagency/interdepartmental framework of EPR

• Connect with local Medical Reserve Corps
  • Real life experience responding to disaster/public health emergency

• Build off national efforts:
  • National Preparedness Month - September
  • National Public Health Week - April
Personal/Individual Preparedness Planning Curriculum Content

• PHEP Capability: Community Preparedness

• Resource: [www.Ready.gov](http://www.Ready.gov), CDC
  ATSD SVI Mapping Tool

• Activity:
  o Research public health emergencies/disasters more common in area and SVI
  o Develop a personal/family emergency plan

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Medical Countermeasure Dispensing & Administration Curriculum

Mass Dispensing
A planning, training, and exercise priority

Resource: PODs (Point of Dispensing): Public Health Training for Staff and Volunteers

Activity: Contact Local Public Health: Inclusion in exercises/drill
Disaster In-Class Exercise

• PHEP Capability: Public Health Surveillance and Epidemiologic Investigation
• Resource: [CDC Disaster Epidemiology Modules](#)
• Activity:
  o In-class activity with fictional communities impacted by a disaster
  o Students conduct a modified Community Assessment for Public Health Response (CASPER) - type of rapid needs assessment
  o Debrief session
Additional Resources to Get Started...

- Minnesota Department of Health
  - Division of Emergency Preparedness and Response
- Centers for Disease Control and Prevention
  - Emergency Preparedness and Response
- Rural Emergency Preparedness and Response Toolkit
  - Toolkit with Case Studies
Next Steps...

• Additional Webinars
  o Public Health Career Panel - February 27 2:30pm-3:20pm
  o Introduction to the Medical Reserve Program- March 21 12:00pm to 1:00pm
  o Crisis Communication- April 24 2:00pm to 3:00pm

• Sub-granting Opportunities

• EPR Resource Hub

• Interested in becoming involved?
Questions?