

MEF Competencies

Domain 1: Assessment and Analysis

1. Identify public health problems pertinent to the population.
2. Conduct surveillance activities.
3. Investigate the population's acute and chronic conditions or other adverse outcomes.
4. Apply principles of good ethical/legal practice related to study design and data collection, dissemination, and use.
5. Manage data from surveillance, investigation, or other sources.
6. Analyze data from an epidemiologic investigation or study.
7. Summarize the results of the analysis and draw conclusions.
8. Recommend evidence-based interventions and control measures in response to epidemiologic findings.

Domain 2: Basic Public Health Sciences

9. Use current knowledge of disease causes to guide epidemiologic and molecular epidemiologic practice.
10. Apply laboratory tests, methodologies, and applied research to support public health activities.
11. Apply informatics principles, including data collection, processing, and analysis, to support epidemiologic and molecular epidemiologic practice.

Domain 3: Communication

12. Prepare written and oral reports and presentations that communicate necessary information to professional audiences, policymakers, and or the public.
13. Demonstrate the basic principles of risk communication.
14. Incorporate interpersonal skills in communication with agency personnel, colleagues, and the public.
15. Use effective communication technologies.

Domain 4: Community Dimension of Practice

16. Provide epidemiologic input into epidemiologic studies, public health programs, and community public health planning processes at the state, local, or tribal level.
17. Participate in the development of community partnerships to support epidemiologic investigations.

Domain 5: Cultural Competency

18. Describe populations by race, ethnicity, culture, societal, educational, professional backgrounds, age, gender, religion, disability, and sexual orientation.
19. Design surveillance systems to consider groups subject to health disparities or other potentially underrepresented groups.
20. Conduct investigations using languages and approaches tailored to populations.
21. Use knowledge of specific socio-cultural factors in the population to interpret funding.

22. Recommend public health actions relevant to the affected community.

Domain 6: Operational Planning and Management

23. Use skills that foster collaborations, strong partnerships, and team building to accomplish public health program objectives.

Domain 7: Leadership and System Thinking

24. Promote ethical conduct in public health practice.

25. Prepare for emergency response.

Domain 8: Policy Development

26. Bring epidemiologic perspective to the development and analysis of public health policies.

Domain 9: Health Equity

27. Promote health equity principles in the design, implementation, and evaluation of public health data collection, research, surveillance, and intervention strategies.