

Epidemiology Competency Assessment Form — Tier 3a Epidemiologist

Individuals — Use this form to evaluate your level of understanding and ability to perform each of the following competencies.

Organizations — Use this form to evaluate epidemiologic competence of current staff members.

Training and Competency:

- 1 = Awareness: You have no training or experience.
- 2 = Basic: You have received basic training.
- 3 = Intermediate: You have repeated successful experiences.
- 4 = Advanced: You can perform the actions associated with this skill without assistance.
- 5 = Expert: You are known inside or outside the organization as an expert.

Importance:

- 1 = An important competency for my position
- 2 = Neutral
- 3 = Not an important competency for my position

Frequency:

- D = Daily
- W = Weekly
- M = Monthly
- R = Rarely
- A = As needed

Skill Domain	Epidemiology Competency: The competency statements below are abbreviated from the comprehensive competency statements in the AEC document	No Training ← → Competent/Expert					Importance	Frequency
		1	2	3	4	5		
1, A	Ensure identification of public health problems pertinent to the population							
1, B	Oversee surveillance activities							
1, C	Ensure investigation of acute and chronic conditions or other adverse outcomes in the population							
1, D	Ensure study design and data collection, dissemination, and of use ethical and legal principles							
1, E	Ensure management of data from surveillance, investigations, or other sources							
1, F	Evaluate analysis of data from an epidemiologic investigation or study							
1, G	Evaluate conclusions and interpretations from investigations							
1, H	Determine evidence-based interventions and control measures in response to epidemiologic findings							
1, I	Ensure evaluation of programs							
2	Use basic public health sciences in epidemiologic practice							
2, A-2	Ensure the application of understanding of human and environmental biology and behavioral sciences and principles to determine biological mechanisms of disease							
2, B	Ensure the use of laboratory resources to support epidemiologic activities							
2, C	Ensure application of principles of informatics, including data collection, processing, and analysis, in support of epidemiologic practice							
2, D	Develop and manage information systems to improve effectiveness of surveillance, investigation, and other epidemiologic practices							
3, A, B	Ensure preparation of written and oral reports and presentations to professional and nonprofessional audiences and ensure basic principles of risk communications are followed							
3, C	Model interpersonal skills in communication with agency personnel, colleagues, and the public							
3, D-2	Enforce policies that address security, privacy, and legal considerations when communicating epidemiologic information							



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4	Lead community public health planning processes							
5	Practice culturally sensitive epidemiologic activities							
6, A	Create operational and financial plans for future epidemiologic activities							
6, B	Formulate a fiscally sound budget that will support the activities defined in the operational plan and is consistent with the financial rules of the agency							
6, C	Oversee implementation of operational and financial plans							
6, D	Develop requests for extramural funding to support additional epidemiologic activities and special projects							
6, E	Use management skills							
6, F	Promote collaborations, strong partnerships, and team-building to accomplish epidemiology program objectives							
7, A	Promote the epidemiologic perspective in the agency strategic planning process							
7, B	Lead the creation of the epidemiologic program's vision in the context of the agency's plan							
7, C	Use performance measures to evaluate and improve program effectiveness							
7, D	Promote ethical conduct in epidemiology practice							
7, E	Ensure professional development of epidemiology workforce							
7, F	Lead epidemiology unit in preparing for emergency response							
8, A	Bring epidemiologic perspective in the development and analysis of public health policies							



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