

Epidemiology Competency Assessment Form — Tier 3b 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	Validate identification of public health problems pertinent to the population							
1, B	Organize surveillance							
1, C	Design investigation of acute and chronic conditions or other adverse outcomes in the population							
1, D	Synthesize principles of good ethical/legal practice for application to study design and data collection, dissemination, and use							
1, E	Manage data from surveillance, investigations, or other sources							
1, F	Evaluate data from an epidemiologic investigation or study							
1, G	Evaluate results of data analysis and interpret conclusions							
1, H	Formulate new interventions on the basis of evidence, when available, and control measures in response to epidemiologic findings							
1, I	Evaluate programs							
2	Use basic public health sciences in epidemiologic practice							
2, A-2	Ensure application of understanding of human and environmental biology and behavioral sciences and principles to determine biological mechanisms of disease							
2, B	Develop processes for using laboratory resources to support epidemiologic activities							
2, C	Apply principles of informatics, including data collection, processing, and analysis, in support of epidemiologic practice							
3, A	Organize preparation of written and oral presentations that communicate necessary information to professional audiences, policymakers, and the general public							
3, C	Model interpersonal skills in communications with agency personnel, colleagues, and the public							
3, D-2	Develop as-needed policies that address security, privacy, and legal considerations when communicating epidemiologic information							
4	Lead community public health planning processes							
5	Practice culturally sensitive epidemiologic activities							



APPLIED EPIDEMIOLOGY
COMPETENCIES

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6, A	Conduct epidemiologic activities within the financial and operational plan of the agency							
6, B	Describe financial and budgetary processes of the agency							
6, C	Implement operational and financial plans for assigned projects							
6, D	Prepare proposals for extramural funding for review and input from managers							
6, F	Use skills that foster 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	Promote the organization's vision in all epidemiologic program activities							
7, C	Use performance measures to evaluate and improve program effectiveness							
7, D	Promote ethical conduct in the epidemiology practice							
7, E	Promote epidemiology workforce development							
7, F	Prepare for emergency response							
8, A	Bring epidemiologic perspective in the development and analysis of public health policies							



APPLIED EPIDEMIOLOGY
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