

# Epidemiology Competency Assessment Form — Tier 1 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-1       | Recognize the existence of a public health problem  |                                  |   |   |   |   |            |           |
| 1, A-3       | Collaborate with others inside and outside the agency to identify the problem   |                                  |   |   |   |   |            |           |
| 1, B-2       | Identify surveillance data needs  |                                  |   |   |   |   |            |           |
| 1, B-3,4     | Implement new or revise existing surveillance systems and report key surveillance findings  |                                  |   |   |   |   |            |           |
| 1, B-5       | Support evaluation of surveillance systems  |                                  |   |   |   |   |            |           |
| 1, C-1,3     | Assist in conducting a community health status assessment and characterizing investigative processes  |                                  |   |   |   |   |            |           |
| 1, C-4,5     | Assist in design of investigation, including creating hypothesis  |                                  |   |   |   |   |            |           |
| 1, D-1       | Follow ethics guidelines and principles when planning studies; conducting research; and collecting, disseminating, and using data   |                                  |   |   |   |   |            |           |
| 1, D-4,5     | Describe human subjects research and apply Institutional Review Board (IRB) processes, as directed  |                                  |   |   |   |   |            |           |
| 1, D-7       | Apply knowledge of privacy laws to protect confidentiality, including Health Insurance Portability and Accountability Act (HIPAA) and applicable state and local privacy laws |                                  |   |   |   |   |            |           |
| 1, E-2       | Maintain databases  |                                  |   |   |   |   |            |           |
| 1, F-1,2     | Use analysis plans and analyze data   |                                  |   |   |   |   |            |           |
| 1, G-3       | Identify key findings from the study  |                                  |   |   |   |   |            |           |
| 1, H-1       | Define cultural/social/political framework for recommended interventions  |                                  |   |   |   |   |            |           |
| 1, I         | Assist in evaluation of programs  |                                  |   |   |   |   |            |           |
| 2, A         | Apply understanding of human and environmental biology and behavioral sciences and principles to determine potential biological mechanisms of disease                         |                                  |   |   |   |   |            |           |
| 2, A-2       | Use knowledge of human and environmental biology and behavioral sciences and principles to determine potential biological mechanisms of disease                               |                                  |   |   |   |   |            |           |
| 2, B         | Identify the role of laboratory resources in epidemiologic activities   |                                  |   |   |   |   |            |           |
| 2, C         | Use identified informatics tools in support of epidemiologic practice   |                                  |   |   |   |   |            |           |



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|--------------|---|---------------------------------|---|---|---|---|------------|-----------|
|              |   | 1                               | 2 | 3 | 4 | 5 |            |           |
| 3, A         | Prepare written and oral reports and presentations that communicate necessary information to agency staff                                 |                                 |   |   |   |   |            |           |
| 3, B         | Recognize the basic principles of risk communication  |                                 |   |   |   |   |            |           |
| 3, C-1       | Demonstrate ability to listen effectively when epidemiologic findings are presented or discussed  |                                 |   |   |   |   |            |           |
| 3, D         | Use effective communication technologies  |                                 |   |   |   |   |            |           |
| 4            | Provide epidemiologic input for community planning processes  |                                 |   |   |   |   |            |           |
| 5            | Practice culturally sensitive epidemiologic activities  |                                 |   |   |   |   |            |           |
| 6            | Apply appropriate fiscal and administrative guidelines to epidemiology practice   |                                 |   |   |   |   |            |           |
| 7, B         | Support the organization's vision in all programs and activities  |                                 |   |   |   |   |            |           |
| 7, D         | Promote ethical conduct in epidemiologic practice   |                                 |   |   |   |   |            |           |
| 7, E         | Practice professional development   |                                 |   |   |   |   |            |           |
| 8, A-1       | Describe how policy decisions are made within the agency  |                                 |   |   |   |   |            |           |

