

Purpose:

Create competency-based interview process for an Epidemiologist III (Practiced Tier) position in your epidemiology department utilizing the Applied Epidemiology Competencies (AECs).

How Do I Create a Competency-based Interview Process?

A competency-based interview process uses clear selection criteria, effective interview questions, and structured interviews to evaluate an individual's knowledge, skills, and values beyond what qualifications and work experience are listed on paper. You should use a competency-based job description as a starting point for the creation of questions that assess the candidate's competencies in the essential and non-essential functions of the job they are interviewing for, whenever possible. It is important to design the interview process to attract varied candidates and consistently and fairly assess these individuals.

Review the following steps to create a competency-based interview process using the AECs for an epidemiologist position in your department.

Step 1:

Develop clear selection criteria

Develop clear selection criteria based on the competencies and skills outlined in the job description. Evaluate which competencies are essential and which are nice to have. Interviewers should understand that certain candidates may not demonstrate all of the job's essential skills but if they are willing to learn and the organization can commit to providing training and support, they may still be a good candidate.

Remember: the AECs can be used to describe essential job functions and competencies expected based on the role and the level of skill needed ranging from entry-level epidemiologists to senior-level positions.

Step 2:

Create effective, competency-based interview questions

After defining the selection criteria, create effective, competency-based interview questions that allow interviewees to assess the candidate's strengths and weaknesses in the key skills needed for the position. These questions should be aligned with what success looks like for the role and what you expect the answers to demonstrate.

Interview questions should focus on direct experience with the competencies and capability to apply knowledge, experience, and flexibility. Ensure questions do not always focus on a time when something did not go well to balance positive- and negative-geared questions.

Consider utilizing case-based interviews or skills assessments as appropriate for the position to evaluate a candidate's problem-solving performance consistently and objectively. Using skills assessments allows applicants to apply what they know and demonstrate their expertise, which can reduce bias for those who may not have had internships or jobs that were directly relevant to speak about. This provides an opportunity for interviewees to share not just what they have done but also what they are capable of doing.

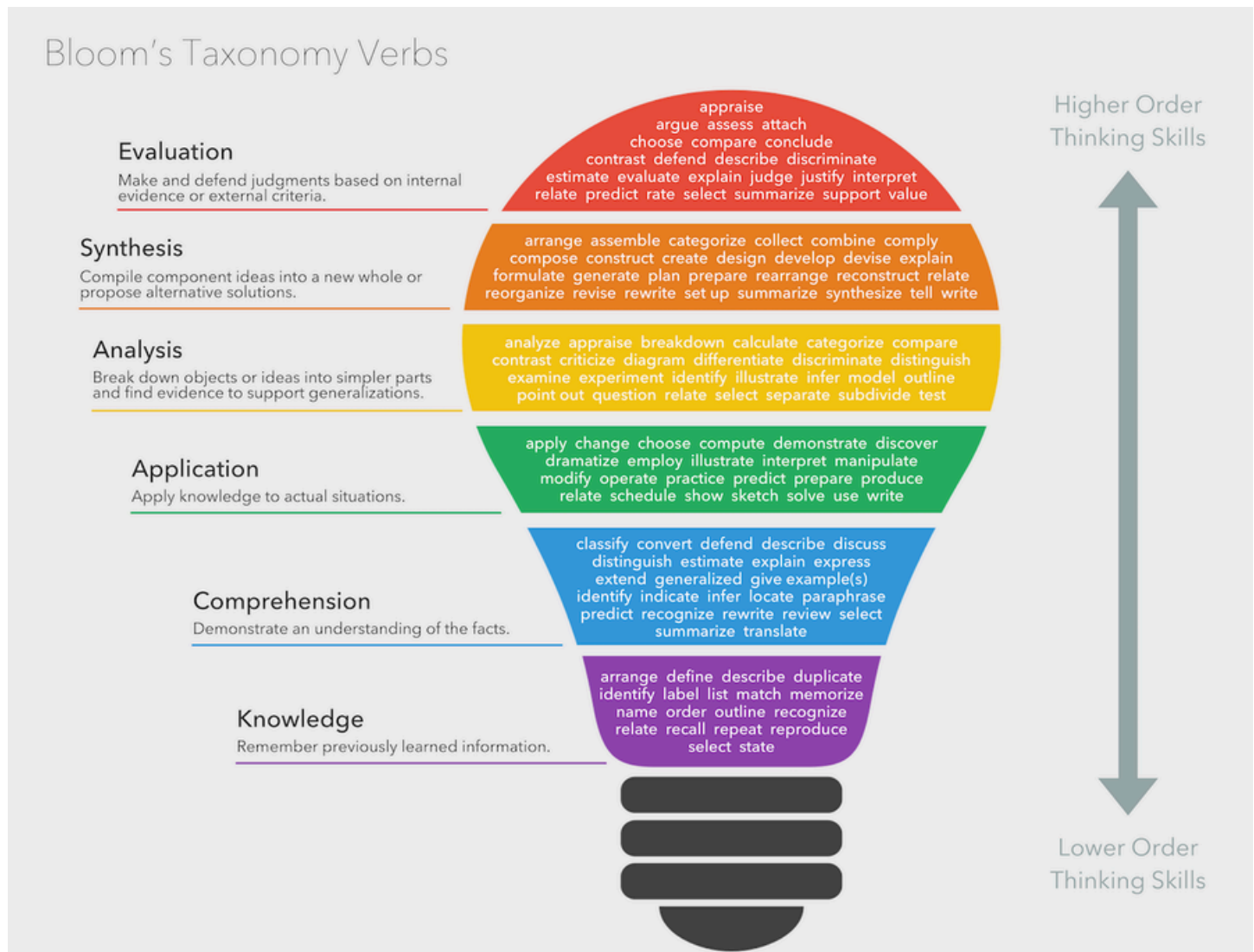
Using the AEC's Skill Progression by Tier:

Individuals creating job descriptions and competency-based interview questions can utilize the AECs to select measurable skills that increase in complexity and specificity as the individual progresses through the tiers.

Bloom's Taxonomy was used to describe the progression of skills from knowledge to application, and finally to evaluation. For example, the verb for AECs subcompetency 1.4.1. progresses from identifies, to explains, to assesses, and finally advocates for.

Competency 1.4. Conducts surveillance activities (e.g., reviews surveillance data needs, assesses existing surveillance data and systems, collects, analyzes, evaluates, and communicates surveillance data)			
Tier 1: Foundational Subcompetencies	Tier 2: Intermediate Subcompetencies	Tier 3: Practiced Subcompetencies	Tier 4: Advanced Subcompetencies
T1: 1.4.1. <u>Identifies</u> surveillance data needs for factors affecting the health of a community	T2: 1.4.1. <u>Explains</u> surveillance data needs (e.g., case definitions, data sources, quality, limitations, data collection elements, data transfer, data collection timeliness, frequency of reporting, uses of data, functional requirements of information systems to support)	T3: 1.4.1. <u>Assesses</u> surveillance data needs (e.g., data quality, availability, relevance, suitability, simplicity, sensitivity, predictability, timeliness, representativeness, flexibility)	T4: 1.4.1. <u>Advocates for</u> surveillance data strategies (e.g., case definitions, data sources, quality, limitations, data collection elements, data transfer, data collection timeliness, frequency of reporting, uses of data, functional requirements of information systems to support)

Interviewers should familiarize themselves with the action verbs and progression of the order of thinking skills associated with Bloom's taxonomy to better understand and evaluate the interviewee's responses describing their experience and capabilities.



Bloom's Taxonomy Verbs by [Fractus Learning](#) is licensed under a [Creative Commons Attribution-ShareAlike 4.0 International License](#).

Using the STAR Technique to Create Competency-based Interview Questions:

A common technique to create and answer competency-based interview questions is referred to as "STAR". The STAR technique can be used to incorporate Bloom's taxonomy in asking interview questions as well as listening for appropriate action verbs in a candidate's response.

The STAR method can be applied in the context of asking a potential candidate about their involvement in an epidemiologic study:

Situation- this part asks for the context of a situation or challenge.

- Consider asking: "Tell me about a time when you were involved in an epidemiologic study."
- You may expect to hear briefly about what the study was and why it was being performed here.

Task- this part addresses what the candidate's responsibility or role was in the situation.

- Consider asking: "What was your role in the epidemiologic study?"
- You should expect to hear briefly about their role, whether it was assigned to them or if they selected it, and why they had those responsibilities.

Action- this part details what actions the individual took during the situation, what they did to achieve success, and contains a lot of information about the applicant's level of competency.

- Consider asking: "What tasks did you perform and what skills did you use during this epidemiologic study?"
- You may hear about study design, data collection, data cleaning/analysis, data interpretation, data presentation, and development of a public health action depending on the experience and skills of the candidate.
- This part of the candidate's answer should help you assess whether they have the correct level of competency based on Bloom's taxonomy and the AECs to successfully perform the role.
 - For a Practiced Epidemiologist, you may listen for verbs such as develop, evaluate, promote, interpret, and implement.

Result- this part describes what results were the outcome of the action performed by the candidate.

- Consider asking: "What was the major outcome or achievement of the epidemiologic study?"
- You should expect to hear about the interventions that resulted from the study, what the candidate learned, and what they gained from the experience.

Step 3:

Conduct structured interviews

Conduct structured interviews that ask questions to all candidates in the same order to provide them all with the same opportunity to describe their skills and experience. Allow for additional time for candidates to discuss unique expertise or items from their resume/CV.

Where possible, have multiple individuals interview the candidate either individually or as a panel to evaluate the interviewee from different perspectives. Be mindful about the time of scheduled interviews and number of interviews that will be conducted with each candidate. Often interviewees will need to take time off at their current job to interview for new positions and scheduling multiple interviews on multiple days can be difficult and further inequities. Inform interviewers about the expected scoring system and how to efficiently listen to and evaluate responses to ensure consistent and fair grading of candidates. Instruct them to take notes during the interview on what was said to avoid recall bias and to be objective on any physical observations of interviewees (e.g., "they did not make much eye contact" as opposed to the interpretation of "they were nervous and uncomfortable"). Consider training interviewers about unconscious bias and ways to combat it before they conduct their interviews. Individuals often prefer candidates who look like, think like, and talk like them and tend to assess them as having better likeability or organization cultural "fit". Educate interviewers about the importance of considering soft skills and likeability but as only a part of the candidate's overall skills and capabilities.

Consult with your Human Resources group to ensure compliance with organizational requirements and any standardized processes for interviews and documentation.

Example Interview Questions for an Epidemiologist III (Practiced Tier):

1. What interests you about this Epidemiologist III position and how does it fit into your career goals?
2. Summarize your expertise and experience that has prepared you for this position.
 - **Optional follow-up questions/prompts:**
 - What experience do you have with managing financial resources for an epidemiology project or program (such as an ELC grant, departmental budget, etc.)?
 - Have you managed other epidemiologists or organizational team members? How many individuals were you responsible for?
 - How many and what types of epidemiology projects/programs have you managed?
 - How do you evaluate the appropriateness and impact of public health actions applied to advance community health goals?
3. Team building and leadership skills are essential for this role. Please share an example that demonstrates your ability to build and organize a team to reach a goal.
4. Tell me about your experience in overseeing epidemiologic investigations. What is your comfort level with this? How do you delegate responsibility for assignments during an investigation, and what do you do to monitor and follow up on timeliness and quality?
 - **Optional follow-up questions:**
 - How many epidemiologists (or other staff) have you managed at a single time?
 - What would you consider your strengths as a leader?
5. Imagine that you're in charge of a team of epidemiologists that is working on a large foodborne disease outbreak. The cases are quickly mounting, and your team is struggling to complete all the new case interviews, review the Public Health Lab reports, and manage the growing volume of data. You've been asked to provide a media interview alongside your Public Information Officer tomorrow, but getting a summary of the current data is proving to be surprisingly problematic. To make matters worse, one epidemiologist on your team has gotten into an argument with an Environmental Health inspector about the sample collections. You also need to finish reviewing the drafts from your team on their sections of the CDC ELC grant progress report before the fast-approaching deadline.
 - **Questions for this scenario:**
 - How do you prioritize these multiple, urgent needs?
 - What approach would you take to help your team members manage their work and achieve your goal of getting current data?
 - How might you work with your epidemiologist and the Environmental Health Division to resolve the personnel situation?

6. Imagine the following scenario: You work at a large urban health department that is tasked with developing a dashboard to track environmental health data. You're asked to spearhead the process for developing this new data dashboard and will need to work with the Informaticians to design and optimize the new tool. How do you begin this process and what considerations do you make?

- **Optional follow up questions:**

- Have you had any prior experience working with informaticians to design or optimize databases or tools? If yes, explain.
- How can you advocate for the financial and human resources that you will need to develop and maintain this new data dashboard?

7. Imagine that residents in your county are concerned about firearm homicides and have been asking their political representatives for action. Elected officials are ready to put money toward the issue and you've been asked to put together a data brief on the topic to inform their actions. When analyzing the data, you find that firearm homicides are fairly rare in your county compared to other external causes of death, and rates are low here compared to other counties in your state. What next steps would you take when the data you are being asked to focus on doesn't match the perceived severity of the issue?

8. How have you incorporated health equity principles into an analysis or assessment?

9. Is there any additional information relating to your resume/CV or past experience that you would like to share with me? If yes, please share it.

10. What questions do you have for me?

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