

Competency Indicators Checklist: Example

Indicators			
Domain	Activity	Deliverable	√
<ul style="list-style-type: none"> • Epidemiologic Methods • Biostatistics • Computer Technology 	Field investigations of at least 2 acute problems such as an outbreak or an acute natural or human-caused disaster where protocols cannot be developed ahead of time	2+ outbreak reports	
<ul style="list-style-type: none"> • Epidemiologic Methods • Biostatistics • Computer Technology 	Participate in the design, management, data analysis and reporting of results from at least one field survey.	Survey report	
<ul style="list-style-type: none"> • Epidemiologic Methods 	Develop and carry out a protocol-based field study using the appropriate design to approach the problem to be solved.	Problem Identification Study Protocol	
<ul style="list-style-type: none"> • Biostatistics • Computer Technology 	Determine sample size for a study	Study Protocol	
<ul style="list-style-type: none"> • Public Health Surveillance • Computer Skills 	Analyze data from a surveillance system and write a surveillance summary for at least one disease or risk factor.	Data Analysis Summary report	
<ul style="list-style-type: none"> • Public Health Surveillance 	Conduct an evaluation of a surveillance system	Surveillance Evaluation report	
<ul style="list-style-type: none"> • Laboratory & Biosafety 	Determine appropriate tests for a field investigation, including the type and quantity of specimens to collect	Field Investigation Report	

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<ul style="list-style-type: none"> Laboratory & Biosafety 	Participate in the appropriate collection & transportation of laboratory specimens and in the interpretation of their testing	Field Investigation Report	
<ul style="list-style-type: none"> Communications 	Present briefing to a decision-maker (National MOH or Politicians) on a health problem.	Briefing Summary	
<ul style="list-style-type: none"> Communications 	Prepare a manuscript suitable for publication in a peer-reviewed journal.	Manuscript	
<ul style="list-style-type: none"> Communications Computer Skills 	Present a paper at a scientific conference.	Abstract	
<ul style="list-style-type: none"> Communications Computer Skills 	Publish an article in a national or regional epidemiology bulletin.	Bulletin article	
<ul style="list-style-type: none"> Computer Skills 	Use the computer to graph and map the data from a surveillance system, survey, or other field investigation.	Outbreak, surveillance report	
<ul style="list-style-type: none"> Management 	Design an epidemiologic study or survey to assess a health concern of public health importance to the country (gap analysis).	Problem statement	
<ul style="list-style-type: none"> Management 	Manage a field project such as an outbreak investigation or survey that is time limited and situational	Project work plan & budget	

Indicators			
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<ul style="list-style-type: none"> • Management • Prevention Effectiveness 	Conduct or participate substantively in planning and development of scientifically sound community-based interventions.	Project summary report	
<ul style="list-style-type: none"> • Prevention Effectiveness 	Conduct economic analysis of public health program or project	Economic Analysis Report	
<ul style="list-style-type: none"> • Prevention Effectiveness 	Evaluation of community-based interventions.	Evaluation report	
<ul style="list-style-type: none"> • Teaching, Training, Mentoring 	Help teach a basic course in epidemiology. This could involve giving lectures, facilitating case studies and/or organizing and supervising a field exercise.	Summary of class evaluations	
<ul style="list-style-type: none"> • Epidemiology of Disease & Injury 	Describe the epidemiology and control of diseases of national importance	Presentation or report	

Competency Indicators
Summary of outputs:

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| <ol style="list-style-type: none"> 1. 2+ outbreak reports 2. Survey report 3. Problem Identification 4. Study Protocol 5. Risk Factor summary report 6. Surveillance Evaluation report 7. Field Investigation Report 8. Briefing Summary 9. Manuscript | <ol style="list-style-type: none"> 10. Abstract 11. Bulletin article 12. Project work plan & budget 13. Project summary report 14. Economic Analysis Report 15. Evaluation report 16. Fundraising document 17. Summary of class evaluations 18. Presentation or report |
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