Indirect measures:

Direct measures:

4. What did you learn from the data? <u>Summarize</u> the major findings of your analysis for each
    assessed outcome.
    NOTE: If necessary, include any tables, charts, or graphs in an appendix.

Indirect measures of performance:

These findings exceed the expectations for the indirect measures.

Direct measures of program performance:

Exit Interview Data: Spring 2022 through Summer 2022

Certificate graduates' perceived confidence of performing the competencies [N=1]

Competency	Very Confident %	Somewhat Confident %	Neither Confident Nor Unconfident %
Use an evidence-based approach to develop human, animal, and environmental hazard control interventions	100%		
Apply the scientific characteristics, such as transmission routes and control measures, of major biological hazards to develop interventions that minimize human and animal disease	100%		
Synthesize disaster planning data into risk communication messages regarding biosecurity hazards and risks to responders, the public, the media, and policy makers	100%		
Apply/use biosecurity and emergency management nomenclature and terminology (such as "mitigation" and "risk assessment") accurately	100%		

Qualitative Comments from Certificate Graduates Collected Via the Exit Interview

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- Dr. Simmons was amazing, really all my faculty were. I wish it was in person!

New Assessment Rubric for Graduate Certificate in Biosecurity & Disaster Preparedness (starting with Fall 2019 cohort)

Class & assignment	Competency	Learning outcomes (LO) linked to program competencies	Extent to which students demonstrate achievement of LO (Excellent, good, fair, or poor)
BSDP 5100 Public Health & Disasters Community threat assessment white paper	1: Analyze disaster planning data and methods, such as risk assessment, syndromic surveillance, and disaster plans	1a: Identify and quantify the risk from public health threats 1b: Conduct a risk assessment of a specified community	

Planned Timeline for Assessing the Certificate Program Learning Outcome Measures

Learning Outcome Measure	Year It Will be Examined During the Program Assessment Process
1a: Identify and quantify the risk from public health threats	2023
1b: Conduct a risk assessment of a specified community	2023
2a: Identify and cite relevant sources	2024
2b: Apply information from relevant sources appropriately	2024
2c: Apply/use biosecurity and emergency management nomenclature and terminology (such as "mitigation" and "risk assessment") accurately	2024
3a: Develop appropriate interventions that minimize human and animal disease	2025
3b: Integrate appropriate scientific characteristics of an infectious disease into a scenario or case study	2025