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 &	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	
Disasters Community threat			
assessment white paper			

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