



# Cloud Range Pilot Data Analysis

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HIP Conference



# Pilot Background

## What is Cloud Range?

Cloud Range is a cyber security training tool that allows information technology professionals as well as college students engage in a simulated, protected environment. Within the simulation, participants are able to practice cyber attack detection, investigation, and response.

## What was the TBR pilot?

In spring 2021, TBR colleges were given the opportunity to pilot Cloud Range as a part of CITC courses with a cyber security focus. As a part of the pilot, five simulation sessions of two hours each were opened to students in select courses at institutions choosing to participate in the pilot.

Eight institutions had at least one student attend at least one simulation. In total, 129 students participated at least once.

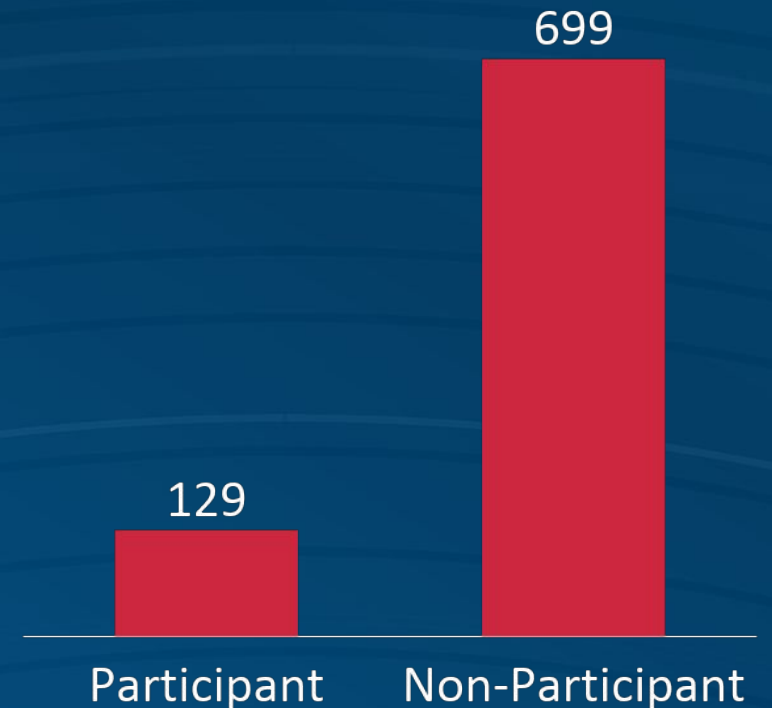


# Analysis Methodology

Analysis is limited to pilot participants as well as non-participants taking the same course at the same school in the same term.

This is a descriptive analysis!

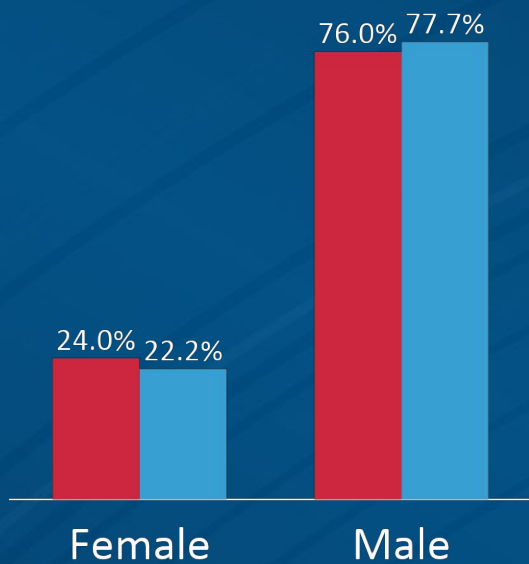
## Analysis Population



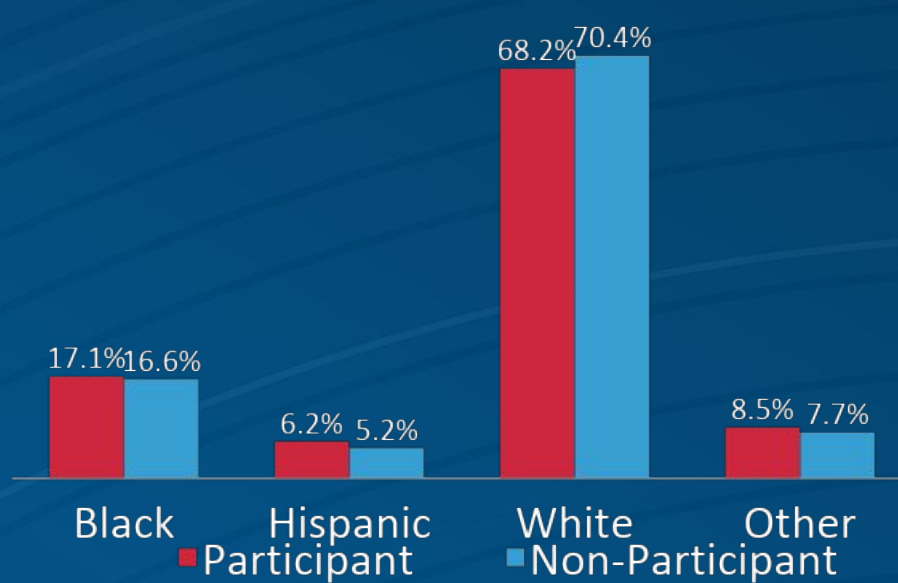


# Student Demographics

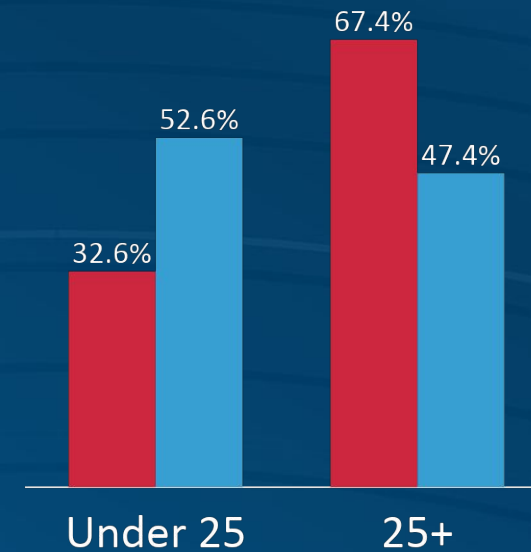
## Gender



## Race/Ethnicity



## Age





# Academic History

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The average high school GPA and ACT score of participants and non-participants was similar.

Participants were more likely to be full-time students, and had a slightly higher term course load on average.





# Pilot Outcomes

## Student Outcomes

	Headcount*	Credit Hour Accumulation			Term GPA
		Avg. Hours Attempt	Avg. Hours Earn	Hours Earn Ratio	
Participant	129	11.3	10.1	90.5%	3.25
Non-Participant	699	10.3	7.9	76.9%	2.63

## Course Outcomes

	Course Enrolls*	ABC Rate	DFW Rate	Stopout Rate
Participant	151	88.1%	10.6%	2.0%
Non-Participant	969	73.9%	25.3%	14.2%
Total	1,120	75.8%	23.3%	12.5%

\*Headcount is unduplicated. Course Enrollments will count a student in multiple participating courses twice.



## Final Thoughts

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Initial data points to success, but sample size is small and thus analysis is limited.

Full-time students and adults more likely to participate, though otherwise pilot is largely representative.

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