



## INTRODUCTION

- Several scales have been developed to evaluate mental health outcomes associate with COVID-19 but none have been adequately validated.
- This project is the first validation of a scale measuring mental health outcomes related to COVID-19 in college students.

### METHODS

- This scale consists of 13 items measuring various aspects of mental health issues arising form COVID-19.
- It was administered to 145 dental students anonymously in 2020.
- The items were transformed to linear scale. Summary statistics, item and person reliabilities, dimensionality, item targeting, and item bias were assessed.

## DISCUSSION

- This scale showed excellent measurement properties.
- This scale will be very valuable for evaluating and tracking the effectiveness of intervention programs that aim to improve students' mental health outcomes related to COVID-19.

## ACKNOWLEDGEMENT

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# Scale validation of mental health outcomes in college students Rex Beazer, Yuna Jensen, Neha Sharma, Richelle Castro, Sharon Su, Caileen Sylvester, Olivia Kalloo, Martin S. Lipsky, Frank W. Licari, Eric S. Hon, Man Hung

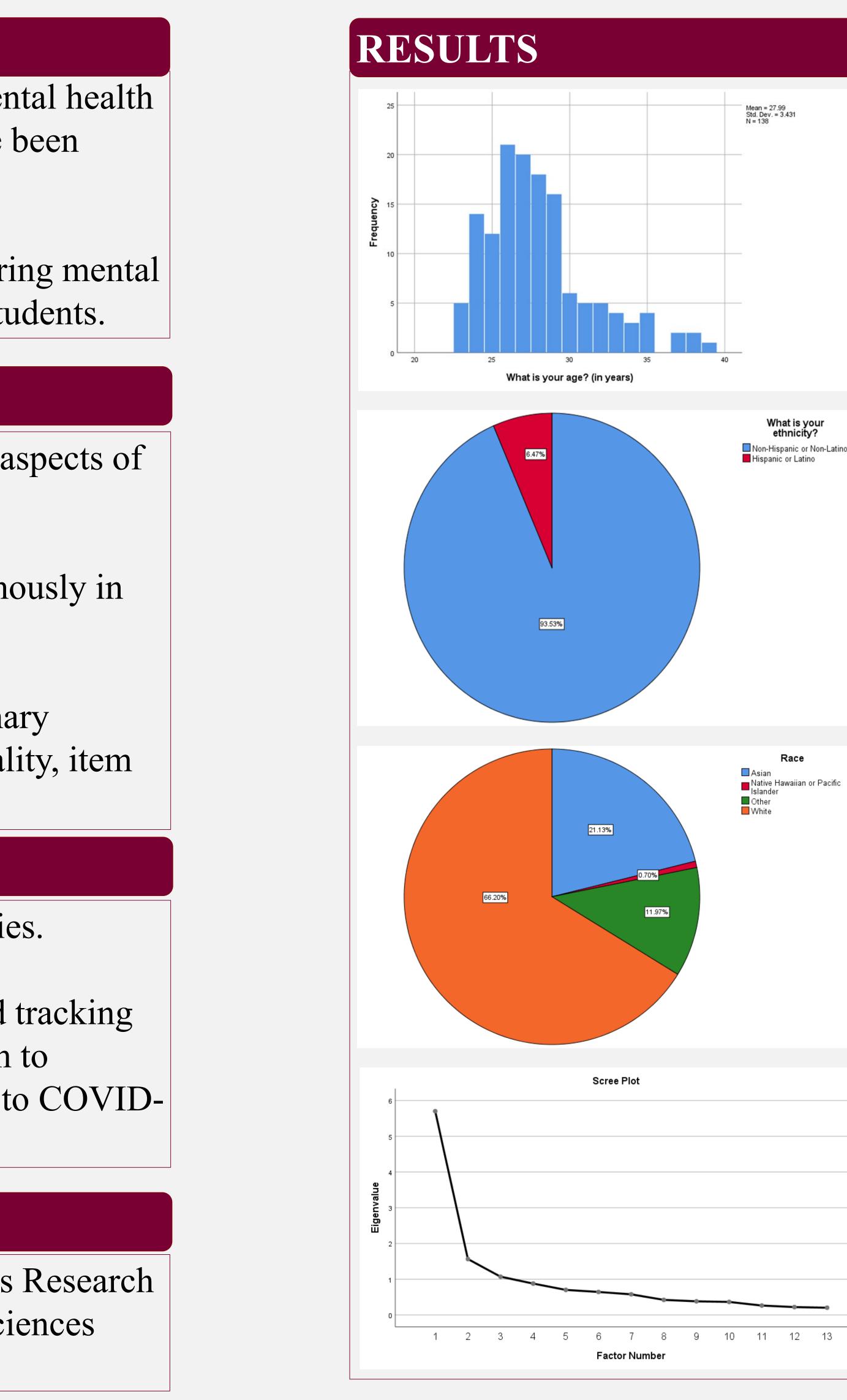


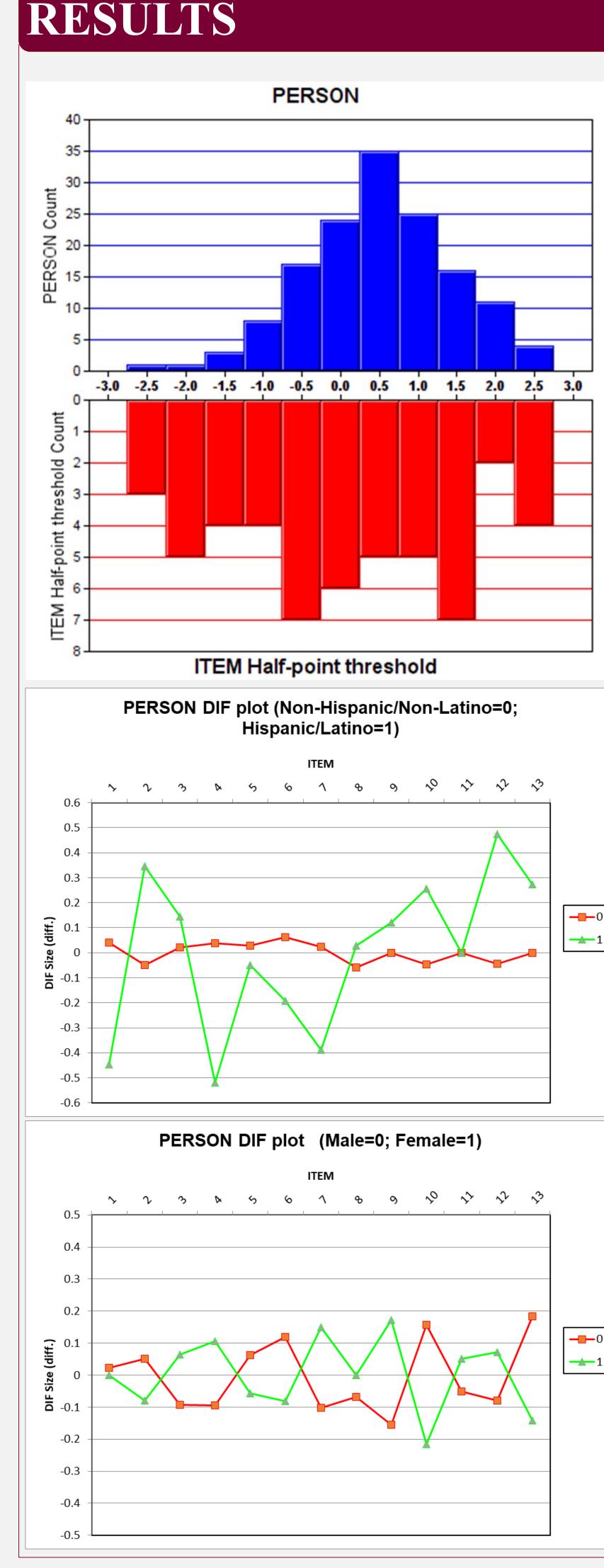
Figure 1: Avg. age is ~28 years Range = 23 to 39 years

Figure 2: Hispanic and Latino represented 6.47% of the study population.

Figure 3: Majority (66.20%) were White.

Figure 4: The scale is fairly unidimensional.

Person reliability = 0.88Item reliability = 0.97



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### Figure 5: The scale captures a wide range of mental health outcomes and

targets the sample population very well.

Figure 6: All items are free from ethnic bias.

Figure 7: All items are free from gender bias.