

Improving Adherence to COVID-19 Precautions Among Future Healthcare Professionals

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Introduction

Number of deaths in the US

550,169 (CDC COVID Data Tracker)

Number of total cases

30.3 Million (CDC COVID Data Tracker)

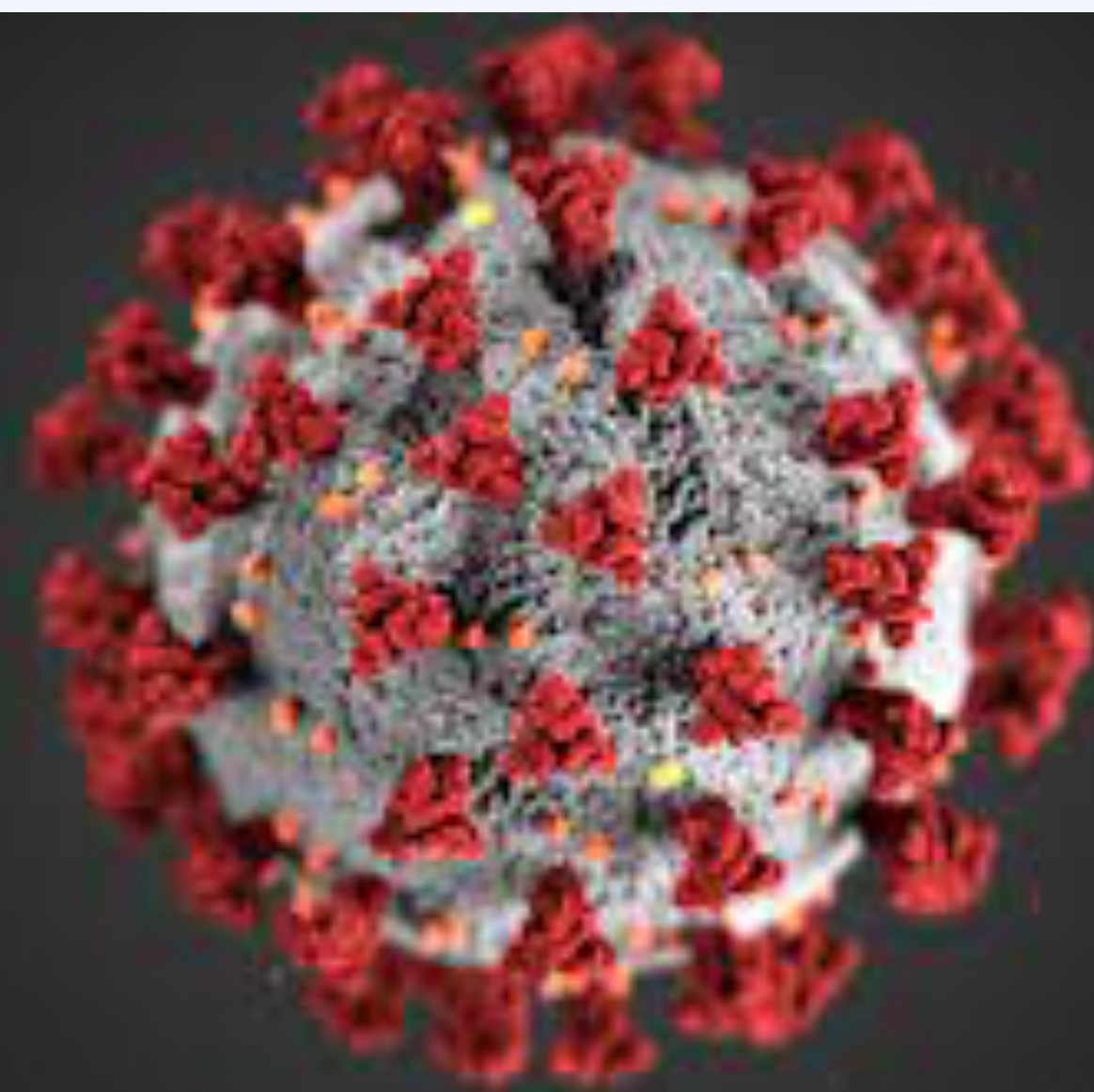
Financial Impact

\$202.6 billion in losses from COVID-19 related costs for America's hospitals and health systems
Average of \$50.7 billion per month from March 1, 2020- June 30, 2020 (Hospitals and health systems, 2020)

Purpose

Develop an evidence-based project to determine whether or not adherence to certain COVID-19 precautions would increase after an educational presentation

Develop an education session to present our findings to fundamental nursing students in the University of Cincinnati



Education

Hand Washing: Reviewed the 5-step hand washing technique:

1. Wet hands with clean water and apply soap 2. Lather the back of hands, between fingers, and underneath nails 3. Scrub hands for at least 20 seconds 4. Rinse hands with water 5. Dry hands with clean towel or air dry

Available Vaccinations: Pfizer-BioNTech, Johnson & Johnson, Moderna: Informing students that no vaccinations alter our DNA in any way and that we are not getting COVID-19 from the vaccine

Social Distancing: Provided statistics to nursing students about social distancing measures:

After 7 days, COVID-19 cases decreased by 1,600

After 14 days, COVID-19 cases decreased by 55,000

After 21 days, COVID-19 cases decreased by 600,000

With social distancing measures in place, COVID-19 cases attributed to mortality decreased by 2% per a day (Siedner, 2020)

Masks: N-95, Surgical masks, DIY face masks:

Educated about how to properly wear masks in order to ensure maximum effectiveness



Literature Search

Databases used: CINAHL

Key words used in our search were COVID-19, pandemic, procedure, transmission precautions, masks, vaccinations, and social distancing.

We also gathered current recommendations from the FDA and the CDC.

After collecting our articles, we evaluated each article using a table that analyzed the design of the studies, the variables, outcomes, and their recommendations based off their findings. Using this table helped us separate the information we were gathering and rate the level of evidence of each article.

Results

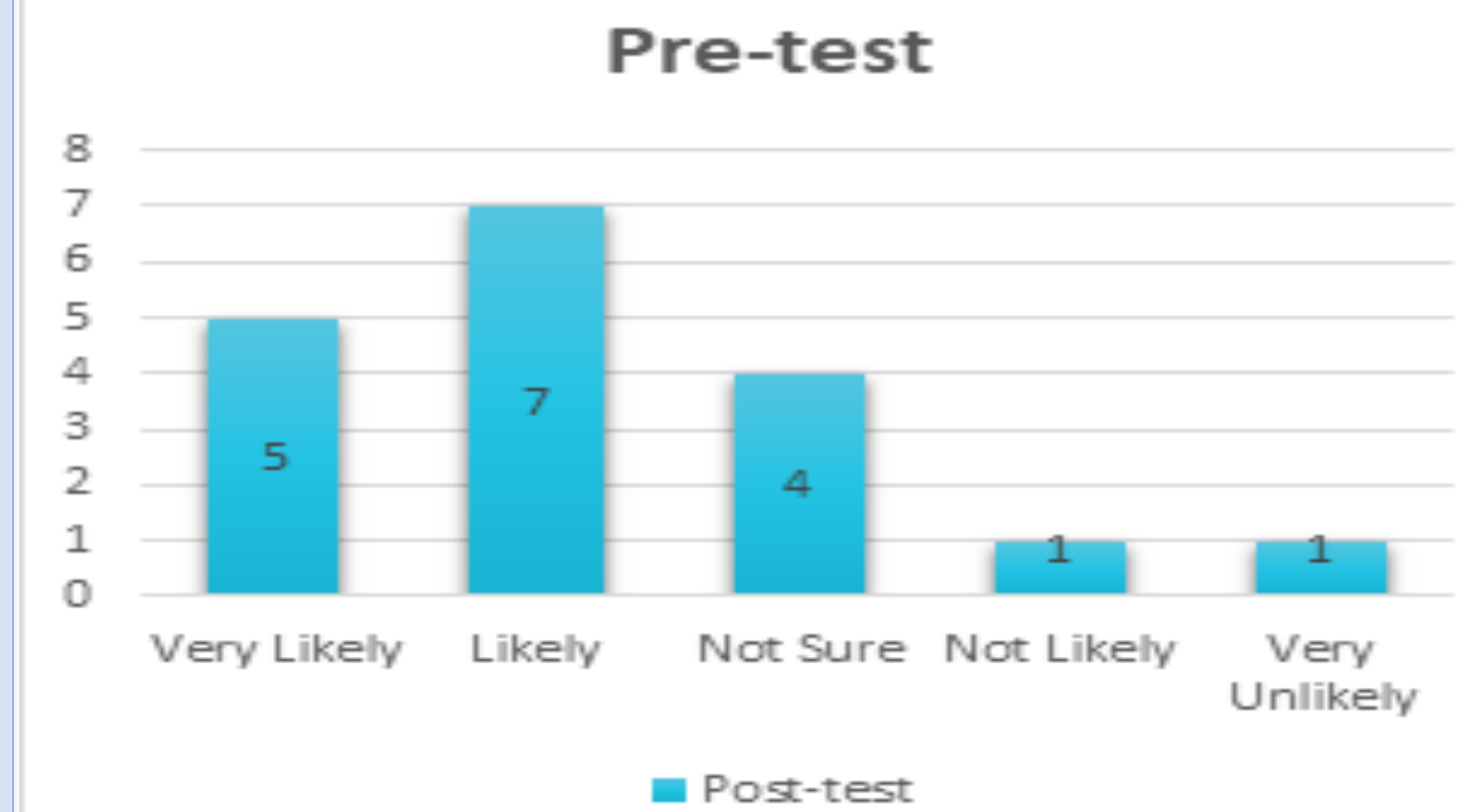
Students' likelihood to received the COVID-19 vaccine increased by 22%.

The likelihood to adhere to mask wearing increased significantly after learning about N95 respirators, surgical masks, and DIY face masks. Similar to masks, social distancing adherence increased.

After learning about 5-step hand washing technique, the likeness to adhere increased from 61.11% to 83.33%.

Finally, the likelihood of educating our community about these precautions increased by 55.6%.

Feedback: What is your likeliness to educate on the benefits of social distancing, masks, and vaccinations?



Lessons Learned

Through our research we discovered that people who are directly educated are more likely to adhere to safety precautions recommended by the CDC

With the results found, we recommend direct education of at risk population groups. These groups include people that do not have access to CDC guidelines, those whose opinions are easily swayed via social media, and those who believe false information presented to them

References

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