

Title: The Implementation of Telehealth Scenarios and COVID-19 Training to Prepare Nurses for the Future of Healthcare

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Purpose: The purpose of creating telehealth scenarios, and the implementation of COVID-19 training, was to prepare undergraduate nursing students for the future of healthcare and the delivery of care using telehealth. Students were provided the opportunity to engage in 1) Assessing a client using telehealth communication techniques 2) Developing and utilizing communication strategies 3) Practicing the use of correct nasal swabbing for the collection of COVID-19 screenings and 4) Assessing lung sounds utilizing a COVID-19 lung simulator

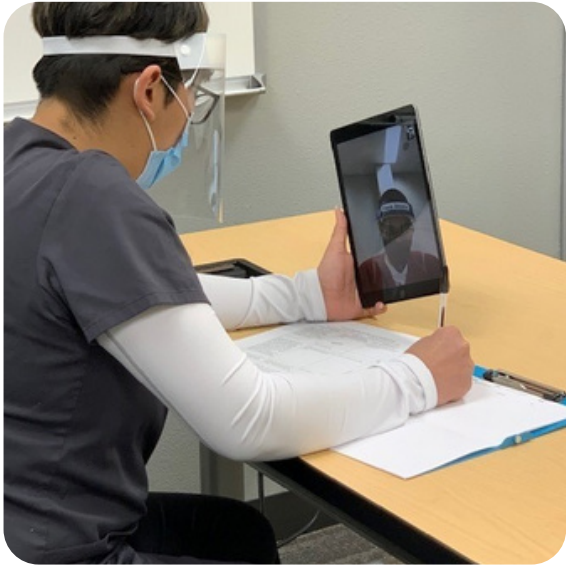
Methods: Students (groups of 4-8) completed four stations in the following scenarios:

- Interviewing a client via telehealth
- Assessing signs and symptoms of a client via telehealth
- Implementing a COVID-19 algorithm via telehealth
- Educating the client regarding the signs and symptoms of COVID-19 and associated CDC guidelines
- Correct technique and testing procedures for COVID-19

Additionally, each group of students was exposed to a high-fidelity simulation of a COVID-19 high-risk hospital admission.

By the completion of high-fidelity simulation students were able to:

- Recognize and assess a client with signs and symptoms of COVID-19
- Practice interdisciplinary team safety
- Apply appropriate PPE standards and equipment
- Communicate with the interdisciplinary team using SBAR

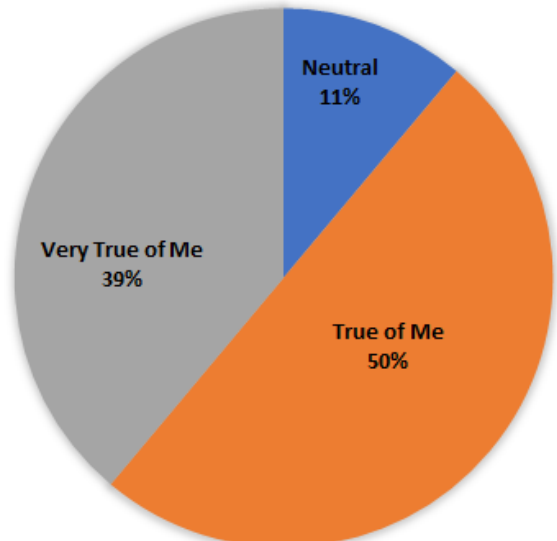


Results: Students were surveyed on comfort levels before and after telehealth scenarios (N=72) and COVID-19 Simulators (N=47)

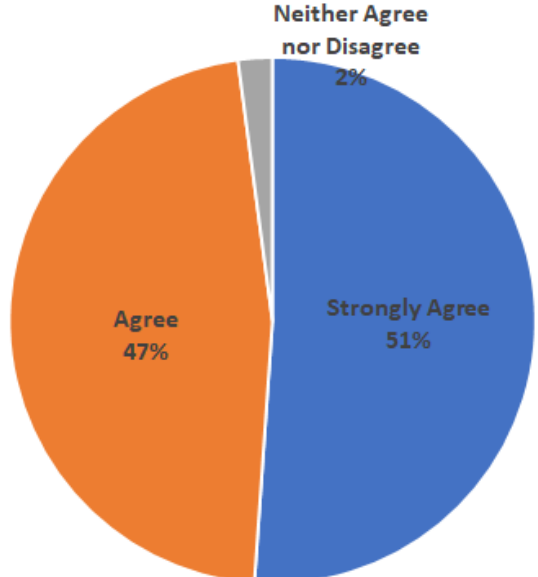
Familiarity with Using Telehealth Technology

Survey	Very Untrue of me	Untrue of me	Neutral	True of me	Very true of me
I am familiar with using Telehealth technology					
Pre	11.1%	27.8%	23.6%	27.8%	9.7%
Post	0.0%	0.0%	4.2%	55.6%	40.3%
I am comfortable with assessing a client using Telehealth communication techniques					
Pre	9.7%	34.7%	20.8%	25.0%	9.7%
Post	0.0%	0.0%	12.5%	55.6%	31.9%
I am comfortable utilizing strategies to overcome client barriers during telehealth					
Pre	5.6%	33.3%	20.8%	30.6%	9.7%
Post	0.0%	0.0%	15.3%	52.8%	31.9%

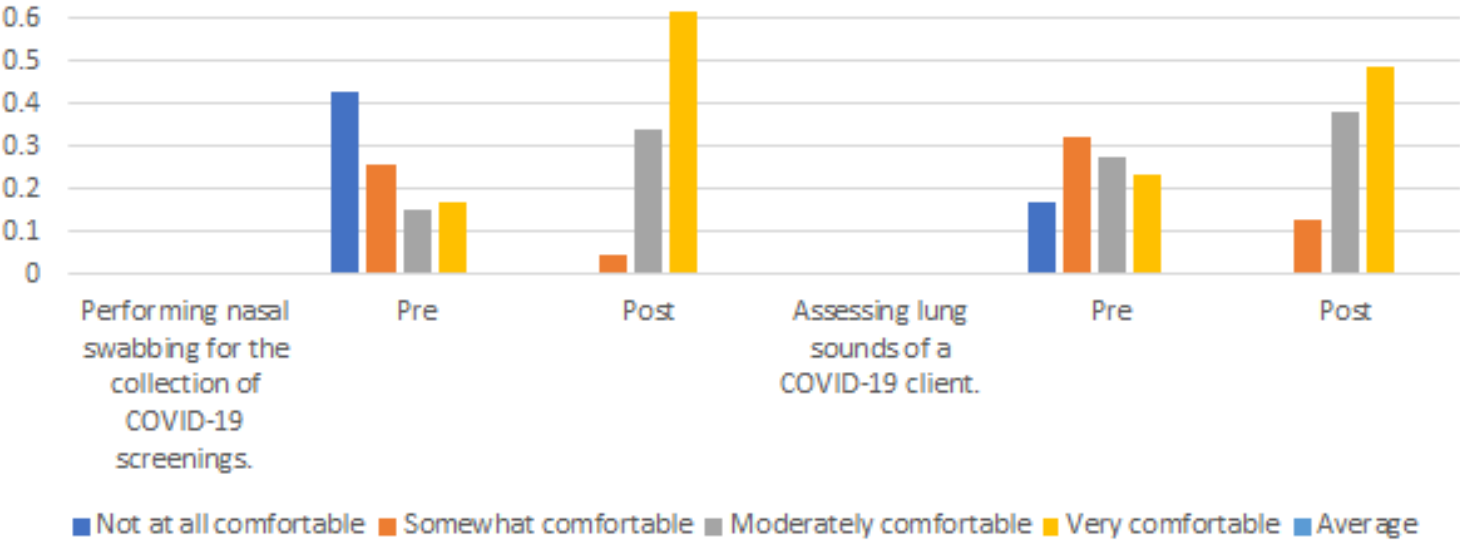
After participating in the Telehealth scenario, I can effectively engage in Telehealth encounters as a future practicing nurse.



The training provided on the simulators for COVID-19 swabbing and lung sounds will better prepare me to care for COVID-19 clients.



Comfort Level of COVID-19 Simulator Activities



Conclusions: Nursing education needs to embrace the use of technology in the preparation of students for the current and future delivery of healthcare. By the utilization of telehealth scenarios, and COVID-19 simulators, nursing students were afforded "real life" application of knowledge and skills in a controlled practice environment. In order to continue to meet the challenges of preparing holistic healthcare providers, innovative learning strategies and technological modalities will need to be embraced by the profession of nursing.