Telehealth Case Competition

In a live virtual event hosted by the U.S. Army, the NSU Center for Academic & Professional Success, NSU Veterans Resource Center, Halmos College of Arts & Sciences, and the Dr. Kiran Patel College of Osteopathic Medicine, NSU undergraduate students will have the opportunity to assess and treat patient actors via Telehealth. Leading into the live virtual event, there will be a series of workshops aimed towards teaching students the skills, knowledge, strategies, and best practices needed to treat patients via Telehealth. In addition, each team will be tasked with developing a research paper that highlights trends in Telehealth and provides recommendations on how it will be utilized in the future.

Students will form teams of 3 – 5 people. Students will be under the direct supervision of army medics and NSU faculty during the live virtual event, who will act as their judges during the live competition. The goal is to evaluate how students performed in applying the skills learned through the workshops into a real life mock scenario.

Case Overview

Telehealth is the distribution of health-related services and information via electronic information and telecommunication technologies. It allows long-distance patient and clinician contact, care, advice, reminders, education, intervention, monitoring, and remote admissions.

With the rise in Covid-19, Telehealth is an ever growing portion of healthcare and a valuable tool for professionals to treat patients. A recent trend suggests that remote patients will not be the only ones who benefit from telemedicine. An increasing number of patients who live in urban areas have also begun to take notice of this rapidly growing industry. This is because many people are interested in the convenience that telemedicine provides. Healthcare will always have challenges to solve. Given the thirst for new solutions and technologies, it's a safe bet that telehealth may be used in surprising ways in the years to come.

You and your team will be tasked with developing a research paper (Minimum of 7 pages).

The Research Paper should include chapter headings that organize your paper into sections that addresses the following prompts associated with Telehealth: (Chapter Headings: Introduction of Telehealth, How will Telehealth be incorporated and play a role in healthcare in the future, How can Telehealth be further developed to be inter-professional and focus on the health of the whole patient?)

- *Introduction of Telehealth (2 Pages)*
    - Define Telehealth and it prevalence in the industry
    - Expand on trends in Telehealth in the field of healthcare
    - Benefits of Telehealth for patients and families
    - Identify weaknesses and issues that have come with the rise of Telehealth?
    - How has Telehealth been utilized prior to and during COVID-19?
    - How has Telehealth affected the professionals, clinics, and hospitals?
- *How will Telehealth be incorporated and play a role in healthcare in the future (3 Pages)*
    - Provide ideas on how Telehealth can be improved to better serve patients?
    - Provide recommendations for how Telehealth can be incorporated in urban areas, vulnerable populations (Ex: Diabetes & Cancer patients), and to specific populations (Ex: Veterans) to ensure access is available to all patients?
        - How can local clinics better utilize Telehealth to support the community?
        - How will referrals be impacted by Telehealth?
    - Obstacles that exist for the expansion of Telehealth (cyber security, access for underrepresented populations, insurance, access to technology, etc.)
- *How can Telehealth be further developed to be inter-professional and focus on the health of the whole patient? (2 Pages)*
    - How can Telehealth be branched out into other areas of healthcare (Nutrition, Public Health, Pharmacy, etc.)?
    - How can we prepare future health professionals to work effectively using telehealth?
    - Should proficiency in telehealth technologies be a requirement for health professions education?

- o Can Telehealth also be used for more specialized area of health (Ex: cardiology, dermatology, endocrinology, infectious disease, neurosurgery, obstetrics and rheumatology)?
- o Future recommendations? Is this trend cost effective?

Students will be required to attend the following workshops or listen to the recording of the workshops:

1. U.S. Army Workshops: 3 Workshops
   a. Workshop#1: Writing SOAP Notes for Telehealth Patients
   b. Workshop#2: Resiliency Course
   c. Workshop#3: Dealing with a Difficult Patient in the Virtual Space

Case Competition TimeLine

1) **General Information Session**-*Thursday, January 21st from 12:30pm-1:30pm*
2) **Writing SOAP Notes for Telehealth Patients Workshop**-*Thursday, January 28th from 12:30pm-1:30pm*
3) **Resiliency Course Workshop**-*Thursday, February 25th from 12:30pm-1:30pm*
4) **Dealing with a Difficult Patient in the Virtual Space**-*Thursday, March 4th from 12:30pm-1:30pm*

Live Case Competition Event

- *Wednesday, April 14th from 11:3am-1:30pm*
  - o Live competition will be hosted on Zoom.
  - o Teams will be placed in Zoom breakout rooms, where each breakout room will feature a patient actor and judge.
  - o Students will be evaluated on their ability to assess and educate each patient appropriately.

Prizes

- $400 Gift Card for first place team

Steps to Participate in Competition

1. Attend General Information Session on Thursday, January 21st from 12:30pm-1:30pm.

2. Sign up your team for the competition by emailing casecompeitions@nova.edu

3. Teams will be enrolled in the Canvas course for case competitions (All assignments, recordings, and resources will be available on Canvas).

4. Prior to the live event students will be required to attend the following workshops or listen to the recording of the workshops.

5. Submit a research paper focused on Telehealth by Wednesday, March 31st at Midnight.

6. Top 4 teams will be selected for the live scenario

7. If selected as a top 4 team, attend live virtual event and participate in each patient Telehealth scenario.

Case Competition participation counts for one unit of Experiential Learning credit