



Preparing Nurses to Provide Care Anywhere

Design and Implementation of a Multimodal
Telehealth Teaching Innovation



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Background

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Telehealth



Fast-growing healthcare sector

Urgent need to prepare students

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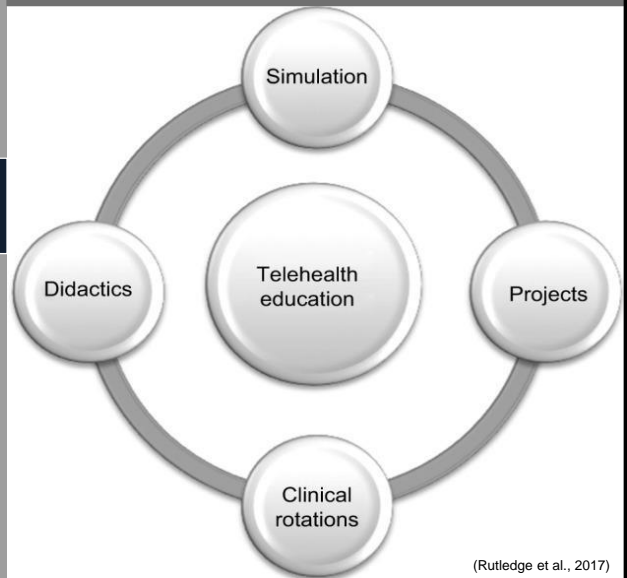
Purpose

Prepare nursing students to use telehealth as a platform for patient care

Multimodal Approach

- Didactic Education
- Experiential Simulations
- Clinical Telehealth Experiences
- Telehealth Projects

Conceptual Model



(Rutledge et al., 2017)

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Aim

Evaluate the effectiveness of the educational intervention on telehealth knowledge acquisition and application

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Methods

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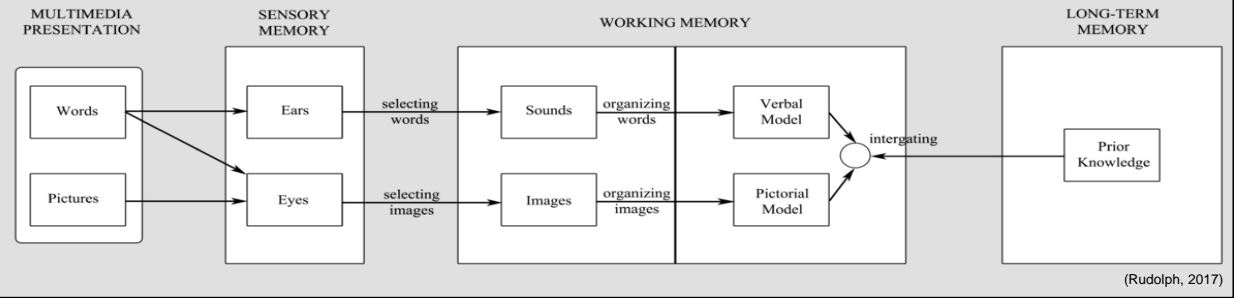
Didactic Education

Multi-Touch Electronic Book (eBook)

Preparation Sheet Assignment

Multiple Choice Assessment

Cognitive Theory of Multimedia Learning (CTML)



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Multi-Touch Electronic Book

Table of Contents

How to Conduct a Nursing Telehealth Visit

THE NUTS&BOLTS



- Introduction to Telehealth
- Types of Delivery Systems
- The Virtual Environment
- Telehealth Technology
- Physical Exams without Peripherals
- Professional Standards
- Virtual Visit Flow
- Telehealth Resources

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Multi-Touch eBook Sampler

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Multi-Touch Electronic Book

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Training Manual



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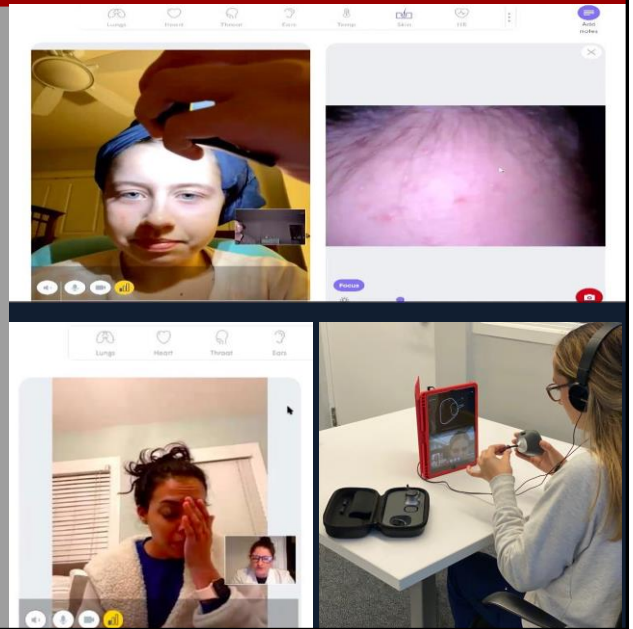
- Overview
- Introduction to Peripherals
- Point of Care (POC) Experience
- Remote Clinician Experience
- Use in Healthcare Settings
- User Guides

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Experiential Simulation

- Pre-Brief
- Hands-On Training
- Debrief



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Hands-On Training



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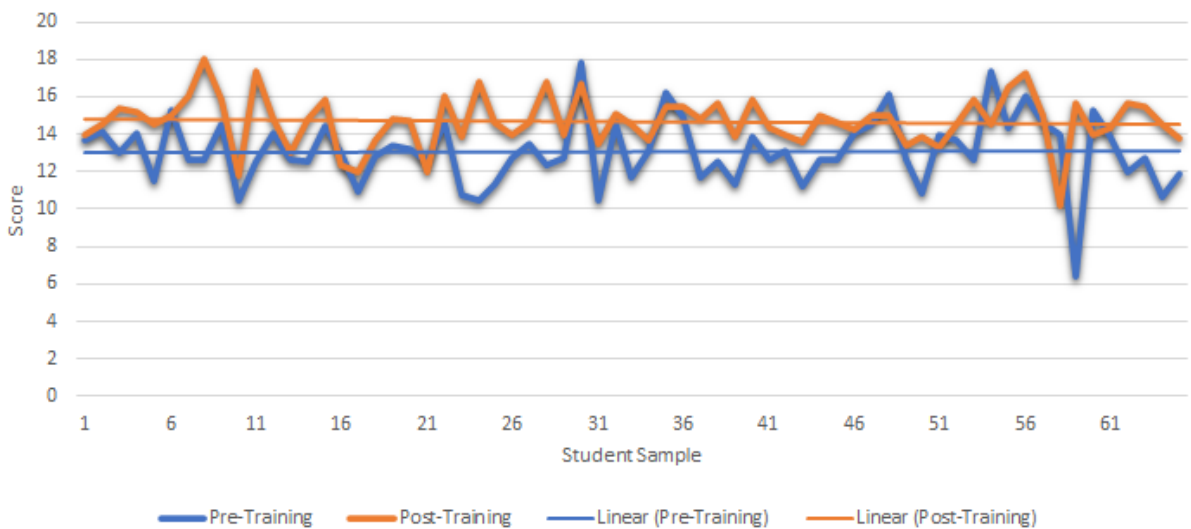


Results

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Pre- and Post-Training Knowledge Check Scores



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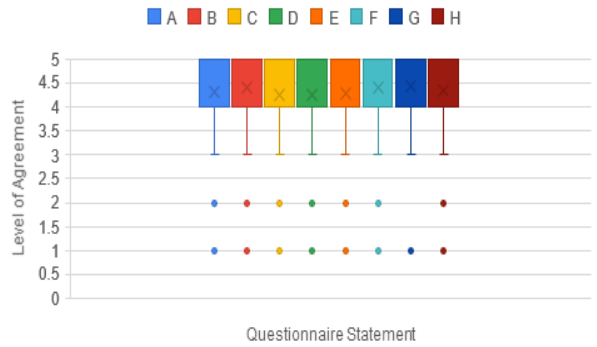
Level of Agreement

1 = Strongly Disagree 2 = Disagree
3 = Undecided 4 = Agree
5 = Strongly Agree

Questionnaire Statements

- A. The teaching methods used in the simulations/debriefs were helpful and effective.
- B. This simulations/debriefs provided me with a variety of activities to promote my learning.
- C. The teaching materials used in this simulation/debrief were motivating and helped me to learn.
- D. I was encouraged to acknowledge the successes and strengths of my peers and myself.
- E. I was encouraged to look for areas for improvement in a supportive way.
- F. I was encouraged to actively participate in the debriefing process.
- G. I had the opportunity to learn from my peers and faculty in a collaborative, supportive way.
- H. This simulation/debrief activity addressed an important topic for my learning.

Student Satisfaction with Training



Limitations



Generalizability is limited due to
small sample size.



Implications



Innovative and interactive learning strategies promote telehealth knowledge acquisition and application to practice.



Continued Innovation

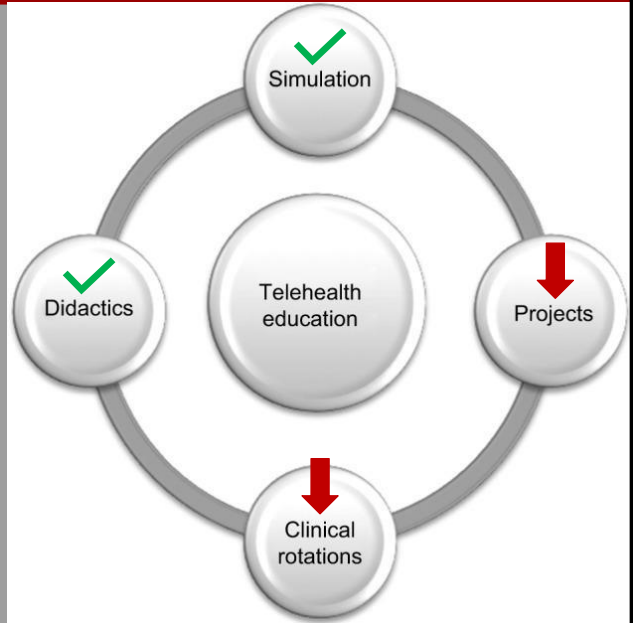


Clinical Experiences

- Precepted Telehealth Patient Visits
- Virtual Site Visits

Telehealth Projects

- Telehealth Physical Exams
- Virtual Check-Ins
- E-Visits
- Messy Virtual Room



Acknowledgements



References



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