

Clinical Hour Replacement in Face of COVID-19 Pandemic: Expert Nurse Educator Panel Discussion



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Panel



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Carol Fowler Durham, EdD, RN, ANEF, FAAN, FSSH - *Professor & Director, EISLE, The University of North Carolina at Chapel Hill School of Nursing*

Pamela R. Jefferies, PhD, RN, FAAN, ANEF, FSSH - *Dean and Professor, The George Washington University School of Nursing*

Kathleen Polley-Payne, PhD, MSN, RN, PNP - *Dean, School of Nursing & Assoc. Professor, Massachusetts College of Pharmacy and Health Sciences*

Purpose



- Provide examples of best practices for moving your course and clinical to an online environment.
- Provide best practices for replacing clinical hours in an online environment
- Provide strategies for bringing clinical and adjunct faculty into an online environment.
- Understanding of what is simulation in a virtual environment.

Definitions



Clinical Simulation Experiences

- Unfolding Case Studies
- Digital clinical simulation
- Streamed simulations

Online Instruction

- Synchronous vs. asynchronous
- Breakout groups
- Tools
- Structures that schools should have to support a move to online delivery

Maintaining Simulation Standards



[Healthcare Simulation Dictionary](#)

[INACSL Standards of Best Practice: SimulationSM](#)

- Start with Simulation Design Standard
- Transferring a case study to online does not equate to virtual simulation
 - Create synchronous or asynchronous pre-brief
 - Include a video or story that will immerse students in the scenario
 - Create meaningful learning assignments some pre-work, activities within scenario to engage learners
 - Conduct synchronous debriefing
 - engaging learners to make contextual connections to clinical practice



Simulation defined

- "an activity or event replicating clinical practice using scenarios, high-fidelity manikins, medium-fidelity manikins, standardized patients, role playing, skills stations, and computer-based critical thinking simulations." (Hayden, et al, 2014)
The NCSBN National Simulation Study. https://www.ncsbn.org/JNR_Simulation_Supplement.pdf
 - NLN ACES cases <http://www.nln.org/professional-development-programs/teaching-resources/ace-s/unfolding-cases>
 - Vendor cases distributed with simulation manikins
- “an educational technique that replaces or amplifies real experiences with guided experiences that evoke or replicate substantial aspect of the real world in a fully interactive manner.” (Gaba, 2004 in Lioce, L. (Ed.) Healthcare Simulation Dictionary, p. 44)

Simulation-based learning experience



- “an array of structured activities that represent actual or potential situations in education and practice. These activities allow participants to develop or enhance their knowledge, skills and attitudes, or to analyze and response to realistic situation in a simulated environment.” (Pilcher, Goodall, Jensen, et al., 2012 in Lioce, L. (Ed.) Healthcare Simulation Dictionary, 2020, p. 43)
 - Case studies – variety sites
 - safeMedicate.net
 - TeamSTEPPS® <https://www.ahrq.gov/teamstepps/index.html>
 - AAVMC ONE Health cases <https://www.aavmc.org/one-health/case-studies.aspx>
 - etc.

Computer based simulation vs. Virtual sim



- Computer based simulation – “the modeling of real-life processes with inputs and outputs exclusively confined to a computer, usually associated with a monitor and a keyboard ... immersive virtual reality.” (Lioce, L. (Ed.), 2020 Healthcare Simulation Dictionary, p. 12)
 - Shadow Health
 - Laerdal virtual sim
 - etc.
- Virtual simulation – “a type of simulation that injects humans in a central role by exercising motor control skills like flying an airplane.” (Hancock et. al, 2008 in Lioce, L. (Ed.), 2020 Healthcare Simulation Dictionary, p. 54)

Adjunct & Clinical Faculty



- Strategies for bringing clinical adjunct faculty into on-line education
 - Set them up for success
 - Create a clear learning plan that aligns with course objectives
 - Use multiple modalities
 - Create structure for faculty and students

Clinical education : Securing meaningful clinical hours through computer based & virtual simulations



What: Alternatives for clinical education so students can complete and progress; use of computer-based/virtual simulations

Why: Due to COVID, learners are remote/can self-pace and work collaboratively

How: Various approaches using simulations

- Shadow Health, ATI videos, vSims, Aquifier – facilitated debriefing essential
- Movies, debrief, care plans, telehealth, nursing leader, exemplars, synchronized sessions
- GNSH (patient stories focus on safety) – www.gnsh.org – 16 cases

Faculty Development:

- MOOC – Essentials in Clinical Simulations Across the Health Professions
<https://www.coursera.org/learn/clinicalsimulations?>



Thank You!

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