

THREE LEVELS OF VIRTUAL SIMULATION BRING LEARNING TO LIFE

IMSH Virtual Conference
January 9-13, 2021



OPEN RN

OPEN RESOURCES FOR NURSING

Introductions



**Kim Ernstmeyer,
MSN, RN, CNE, CHSE,
APNP-BC
Open RN Project
Director**



**Dr. Elizabeth
Christman, DNP,
RN, CNE,
Open RN
Instructional
Designer**



**Dominic Slauson,
MA, BA,
Open RN
Instructional
Technologist**

Disclosures

Presenters have no conflict of interest to disclose.

Session Objectives

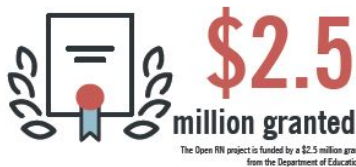
- ▶ Describe how Open RN virtual simulations bring learning to life in virtual contextual learning environments.
- ▶ Explain how the three levels of virtual simulation reduce student barriers in accessing VR, promote engagement, and develop clinical judgment.



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For **additional information** about Open RN visit:
cvtc.edu/OpenRN



25 virtual
reality
scenarios

25 OER virtual reality scenarios are being created. Over 100 OER simulation videos have been uploaded to the Open RN YouTube channel.



Projected **2020** minimum cost savings for Nursing students across the state if all 16 WTCS colleges adopt the five OER textbooks as the required textbook for the course.



projected annual impact in Wisconsin alone.



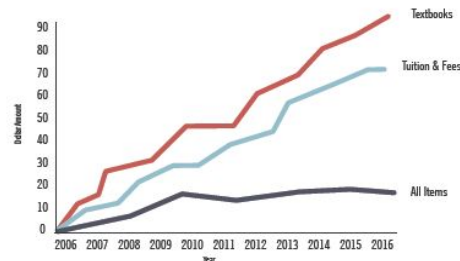
75+ contributors from academia and industry.



Five OER Nursing Textbooks are being created.
Pharmacology book: wtcs.pressbooks.pub/pharmacology/
Print versions are available at bookstores and on Amazon

Consumer Prices 2006 - 2016

U.S. Bureau of Labor Statistics



VIRTUAL SIMULATION USING ACADICUS



Non-VR

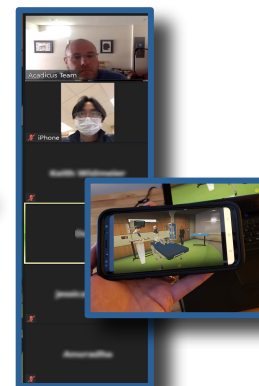


VR (optional)



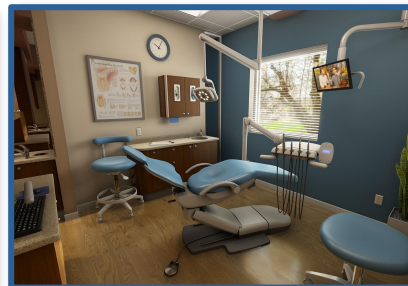
Virtual Sim Lab

Live, Multiplayer
Cloud Hosted
Customizable



Video Conference
Screen share
(Zoom, Webex)

SCENE TEMPLATES



SIMULATION MANAGER



3 LEVELS OF VIRTUAL SIMULATION



**1. VIRTUAL REALITY:
TOTAL IMMERSION**

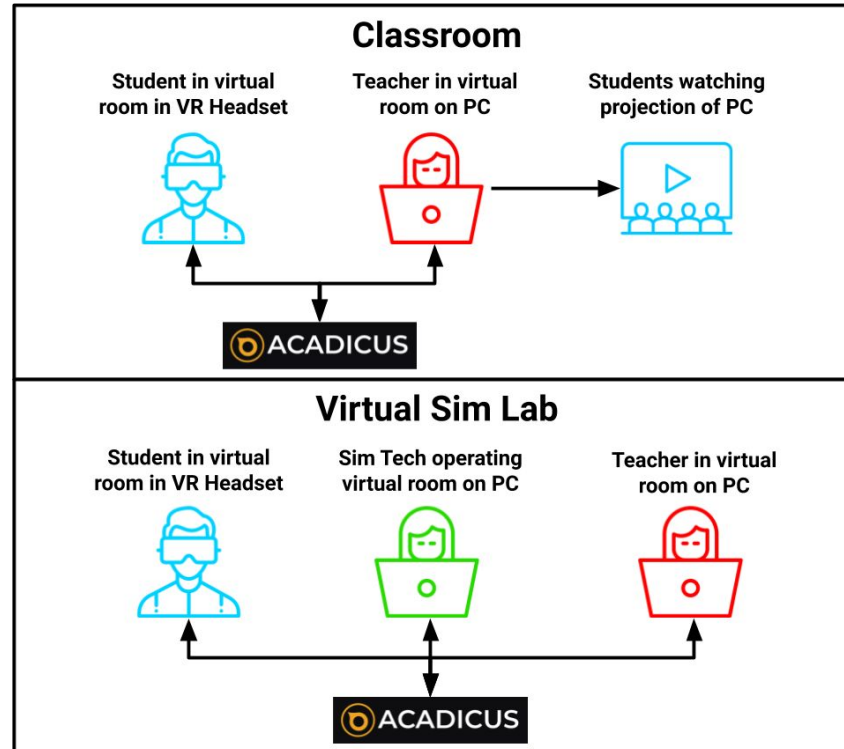


**2. SCREEN
BROADCAST OF VR**

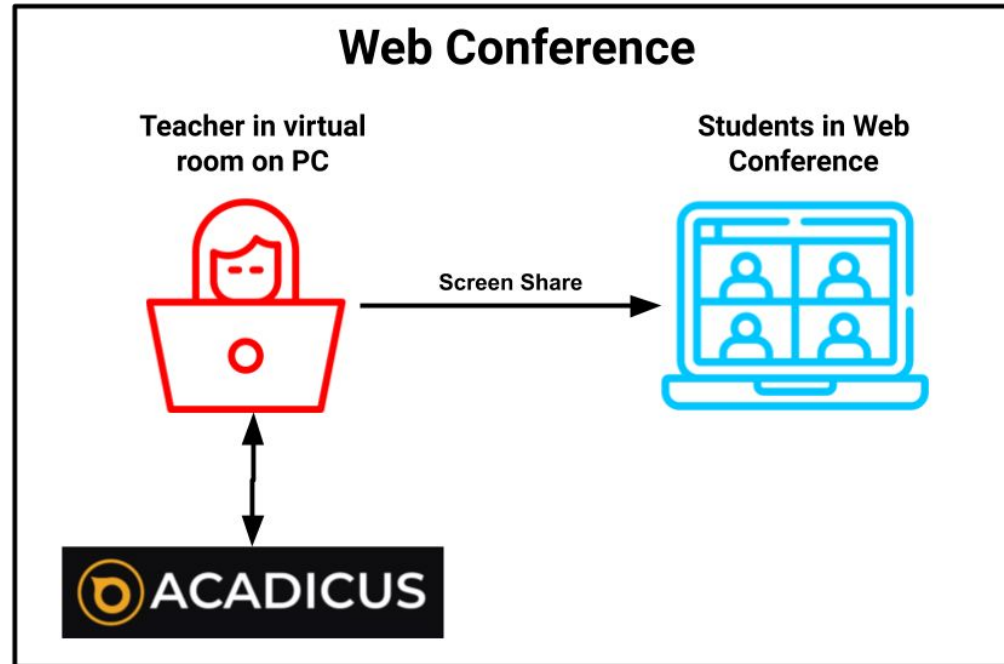


**3. H5P ONLINE
INDEPENDENT ACTIVITY**

VIRTUAL REALITY: TOTAL IMMERSION



SCREEN BROADCAST OF VR

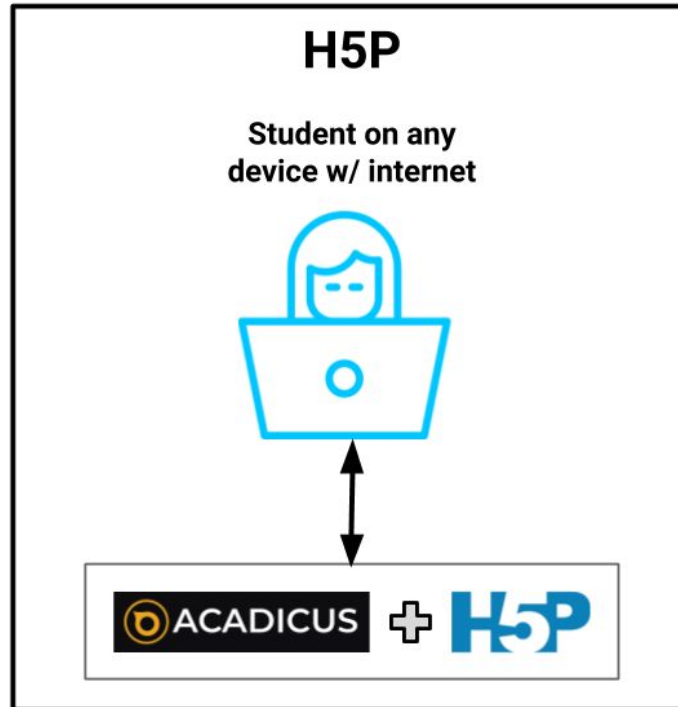


DEMONSTRATION

Screen Broadcast VR Simulation

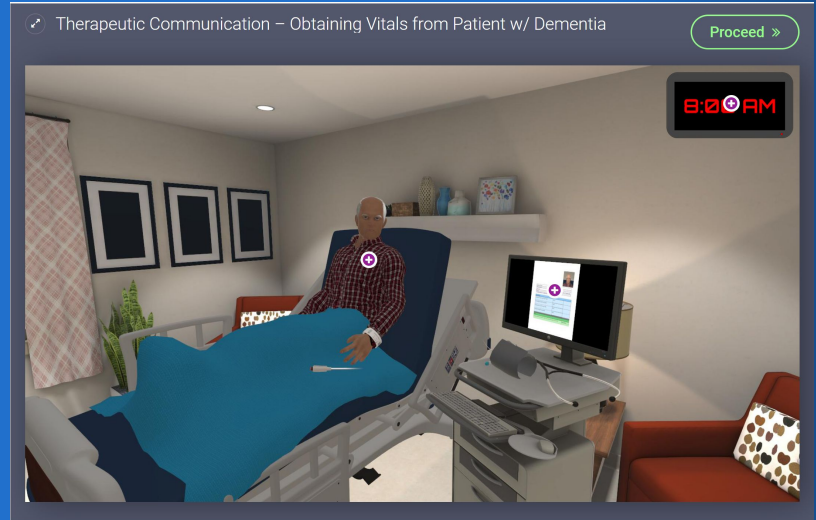


H5P ONLINE INDEPENDENT ACTIVITY



DEMONSTRATION

H5P Virtual Simulation



DON'T FORGET DEBRIEFING!

- ▶ Bradley, Johnson, Dreifuerst (2020)
<https://doi.org/10.1016/j.ecns.2020.04.001>
- ▶ Cheng et al (2020)
<https://doi.org/10.1186/s41077-020-00141-1>



Kolb's Experiential Learning Cycle
<https://www.simplypsychology.org/learning-kolb.html>

FREE OER – VIRTUAL SIMULATIONS

- ▶ [Schizophrenia scenario](#)
- ▶ [Open RN H5P scenarios](#)
- ▶ [Open RN You Tube](#)



For more information

www.cvtc.edu/OpenRN

These resources were developed under a \$2.5 million dollar grant from the Department of Education. However, those contents do not necessarily represent the policy of the Department of Education, and you should not assume endorsement by the Federal Government.



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