

# FUTURE OF NURSING™

## Campaign for Action

AT THE CENTER TO CHAMPION NURSING IN AMERICA



Robert Wood Johnson Foundation

**AARP** Foundation®

HBCU Learning Collaborative  
Virtual Simulation Webinar  
August 11, 2020

# Today's Webinar

- Provide purpose, standards, expectations, and requirements for virtual clinical simulations.
- Provide program perspective, implementation, and recommendations for virtual clinical simulations.
- Introduce and provide a walk through sample of available virtual clinical simulation programs.



## **Vernell DeWitty, PhD, RN**

Director of Diversity and Inclusion,  
American Association of Colleges  
of Nursing and Consultant,  
*Campaign for Action*



Professor, University of South  
Florida College of Nursing

**Teresa Gore, PhD,  
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Executive Director of Simulation  
and Assistant Professor at  
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Nursing's Helene Fuld Health  
Trust Simulation Center



**Kellie Bryant, DNP,  
WHNP, CHSE**



**Gaea Daniel, PhD, RN**

- Postdoctoral fellow at Emory University
- Future of Nursing Scholar and New Careers in Nursing Scholar, Robert Wood Johnson Foundation

**Teresa Gore, PhD, DNP, FAAN**  
Professor  
University of South Florida College of Nursing

# Disclosure

- Dr. Teresa Gore
  - None

- Provide participants with
  - Purpose
  - Standards
  - Expectations
  - Requirementsfor virtual clinical simulations.

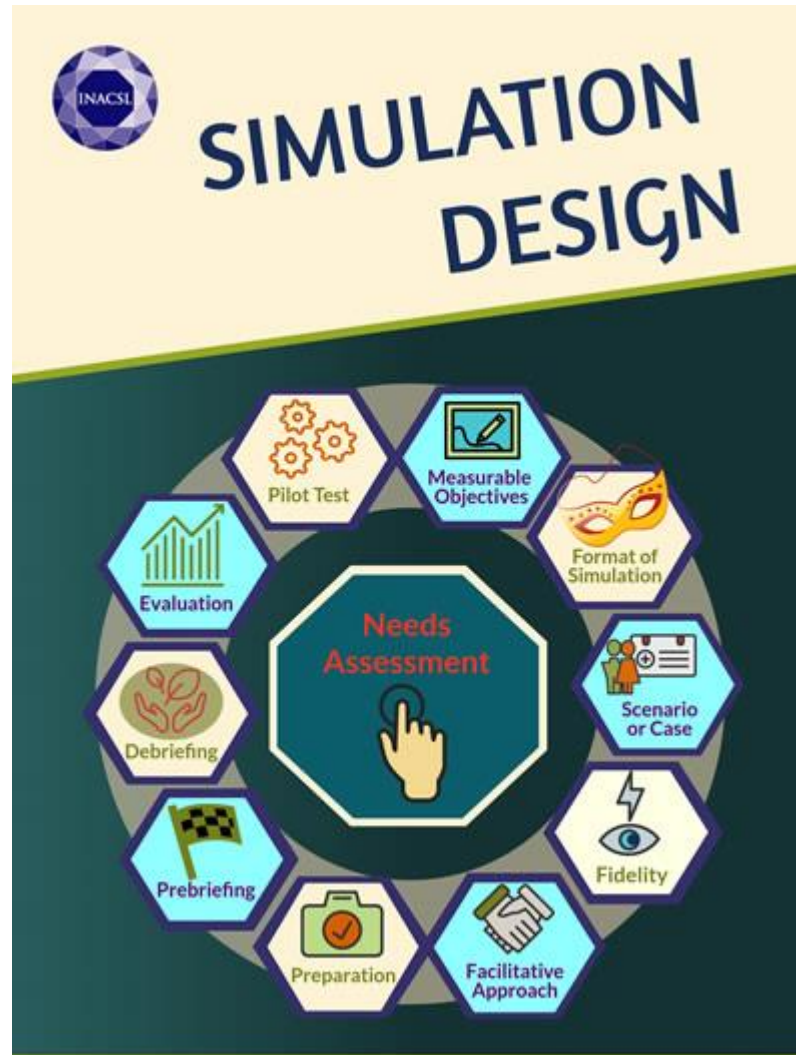


## INACSL Standards of Best Practice

- Simulation Design
- Outcomes and Objectives
- Facilitation
- Debriefing
- Participant Evaluation
- Professional Integrity
- Simulation – Enhanced Interprofessional Education
- Simulation Operations
- Simulation Glossary

# Simfographic© and INACSL Standards of Best Practice: Simulation ©

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# Objectives

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**MEASURABLE**



**APPROPRIATE TO  
LEVEL OF  
KNOWLEDGE AND  
EXPERIENCE OF  
PARTICIPANTS**



**ADDRESS  
DOMAINS OF  
LEARNING**



**CONGRUENT  
WITH OVERALL  
PROGRAM  
OUTCOMES**



**INCORPORATE  
EVIDENCE-  
BASED  
PRACTICE**



**HOLISTIC CARE  
OF THE  
PATIENT**



**ACHIEVABLE IN  
AN  
APPROPRIATE  
TIMEFRAME**

**Kellie Bryant, DNP, WHNP, CHSE**  
Executive Director of Simulation and Assistant  
Professor Columbia University School of Nursing's  
Helene Fuld Health Trust Simulation Center

- Discuss implementation of virtual simulations.
- Describe strategies for using simulation to promote cultural awareness.
- Summarize evaluation methods for virtual simulation.

**Problem:** Closure of academic setting

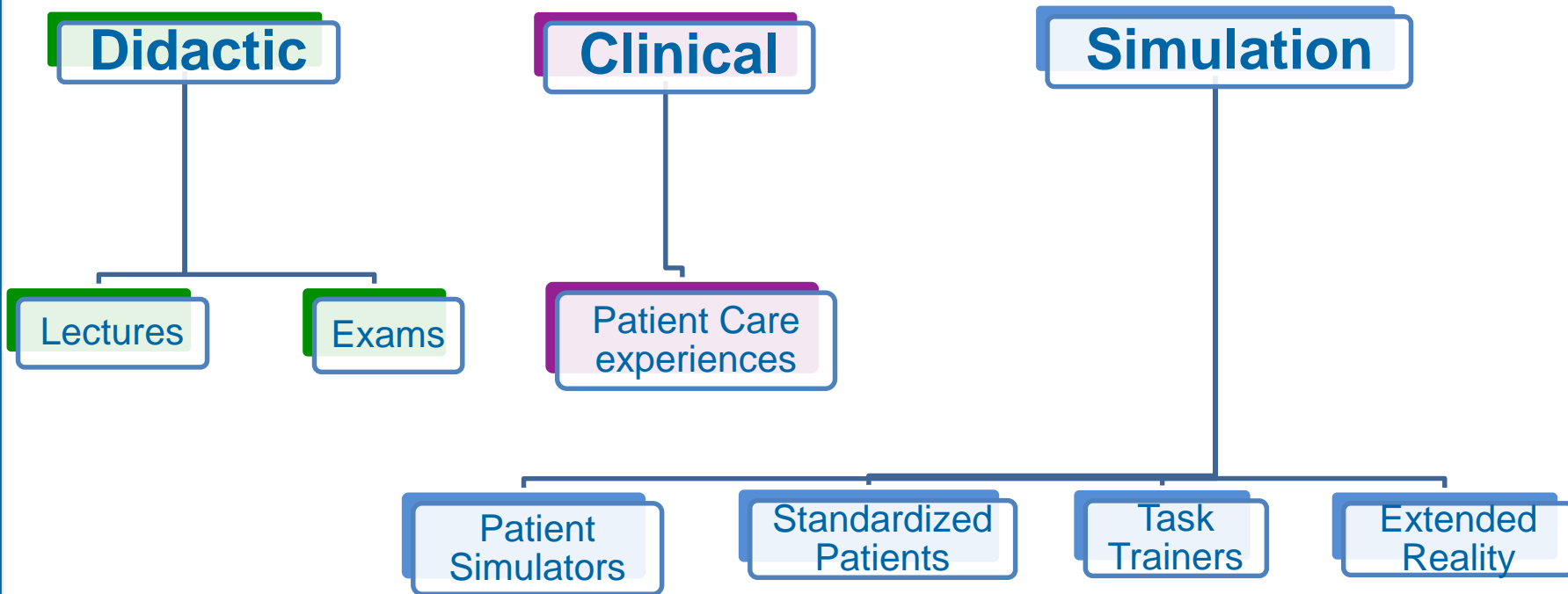


**Needs:** Meet outcomes for clinical practice and simulation remotely

**Strategies:** Remote, hybrid & screen-based simulation

**Implementation:** Selection of resources, training for faculty & students, integration into curriculum

**Evaluation:** Are outcomes being met? Is it effective?



## Screen-Based Simulation Programs

```
graph TD; A[Screen-Based Simulation Programs] --> B[Synchronous]; A --> C[Asynchronous];
```

### Synchronous

- Live streamed hybrid simulation
- Facilitated Screen-based

### Asynchronous

- Screen-based simulation
- Online case study
- Mobile Applications



# Patient Care Simulation

- Simulates real patient encounters
- Used to evaluate competency and clinical knowledge attainment
- Enhances students clinical reasoning, critical thinking, situational awareness, communication, teamwork, & clinical judgment skills



# Commercial Screen Based Simulation Programs

- Oxford Health
- Shadow Health
- Aquifer
- iHuman
- Vsim
- Body interact
- ATI Real Life Scenarios

## Medscape Education Patient Simulation Cases

Meet and Treat Virtual Patients with Abdominal Pain and Diarrhea: A Patient Simulation



Earl is a 60-year-old healthy male who presents to his annual exam with 6 month history of abdominal pain and occasional diarrhea.

[SEE EARL](#)



Karen is a 27-year-old female with a 2-year history of irritable bowel syndrome (IBS-D).

[SEE KAREN](#)



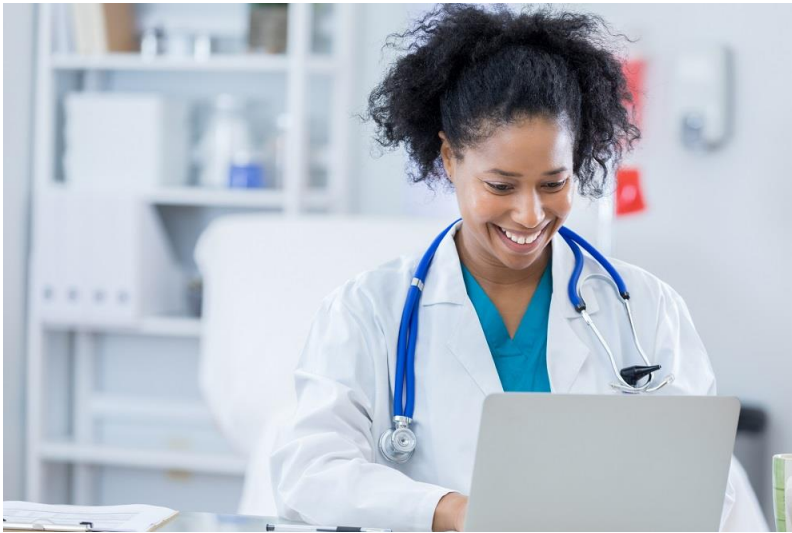
## Telehealth Standardized Patient Scenarios

- Virtual open practice
- Mail students skills training kits
- Mobile applications
- Screen-based programs

# Mobile Applications

- Learning Nurse
- Medical Joyworks, LLC
- SkillStat

## The MammaCare Foundation



The Introduction of Clinical Breast Examination Standards with Hands-on Practice

### Course Topics:

- Normal breast structure
- Normal change in the breast
- Disorders of the breast
- Development of breast cancer



## COVID-19 Orientation for Frontline Healthcare Providers in the Acute Care Setting



# Preparing Students to Care for Patients with Covid-19

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- Ten minute screen-based simulation donning and doffing of PPE.
- Based on CDC guidelines.



## Infection Prevention - Personal Protective Equipment (PPE)

COVID 19



# Evaluation Methods

- Evaluation rubric
- Direct feedback from Standardized Patient
- Computer generated evaluation
- Formative feedback from instructor
- Debriefing

OSCE Grading Rubric (Example)

<b>Student Name:</b>	<input type="checkbox"/> AGACNP <input type="checkbox"/> FNP <input type="checkbox"/> PMHNP <input type="checkbox"/> PNP
<b>Faculty Evaluator Name:</b>	<b>Date of Evaluation:</b>

**Instructions:** Circle the score for each row, add up the total points for each column, add all the column totals for the final score, divide by total possible number of points for overall percentage. Pass = 80% or greater.

Item Assessed	Not Completed	Partially Complete	Complete	Comments
Introduced themselves & confirmed patients name	0	5	10	
Confirmed Chief Complaint	0	5	10	
<b>History</b>				
History of Present Illness - OPQRST	0	5	10	
Past Medical History – Hospitalizations, Trauma, etc.	0	5	10	
Medications – dose, frequency, compliance	0	5	10	
Allergies	0	5	10	
Social History - Smoking, Alcohol, Drugs	0	5	10	
Family History – one generation (mother, father)	0	5	10	
Patient's self-rated health status	0	5	10	
Prevention and Health Promotion – age specific	0	5	10	
<b>Review of Systems – Examples Below</b>				
General/skin/sleep	0	5	10	
HEENT	0	5	10	
Respiratory	0	5	10	
Cardiovascular	0	5	10	
Musculoskeletal	0	5	10	
Endocrine	0	5	10	
Gastrointestinal and Urinary	0	5	10	
Neuro/psych	0	5	10	
<b>Physical Exam of Body Systems – Examples Below</b>				
HEENT	0	5	10	
Respiratory	0	5	10	
Cardiovascular	0	5	10	
<b>Diagnosis</b>				
Patient provided a differential diagnosis	0	5	10	
Patient provided a correct diagnosis	0	5	10	

Access to the webinars can be found:

<https://www.inacsl.org/education/webinars/>

- *Evidence to Support Virtual Simulation as an Effective Pedagogy During the Pandemic: Research and Policy Implications*
- *Delivering Virtual Simulations through on-line Platforms*
- *Standards of Best Practice Simulation- A Lens Toward Virtual Simulation*
- *Debriefing Virtual Simulation: The Evidence and Recommendations*
- *Prebriefing Guide for Online, Remote and Virtual Simulations*
- *Introduction to the CAN-Sim Shared Repository of Virtual Simulation Games and Other Resources*

- Society for Simulation in Health Care
- International Nursing Association for Clinical Simulation and Learning
- National League for Nursing
- Quality and Safety Education for Nurses Institute

# Promoting Diversity through Simulation

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- Ensure manikins, task trainers, Standardized Patients are diverse
- Refrain from using biases in your scenarios/case studies
- Add cultural considerations to all patient backgrounds
- Design scenarios focused on cultural awareness



## Lessons Learned



Selection of activities should be based on learning objectives and outcomes.



Think outside the box and be flexible.



Use your resources.



Be prepared for technical glitches and learning curves.



Collaboration is key.



What are we going to keep post-COVID-19? What's the correct balance?

## CONTACT INFORMATION

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Columbia University School of Nursing





**Gaea Daniel, PhD, RN**  
Postdoctoral fellow at Emory University

# Objectives

- Tips for engaging students
- Resource
- Virtual simulation demonstration

# Tips for engaging students

- Set expectations at the beginning of the simulation
- Provide supplemental materials for preparation
- Prepare discussion questions
- Share professional experiences

The [National League for Nursing](#) provides:

- Free resources
- Paid resources

Advancing Care Excellence

## Vulnerable Populations

- Seniors
- Alzheimer's Patients and Caregivers
- Veterans
- Persons with Disabilities
- Pediatrics

[ACE Unfolding Cases](#)

[Millie Larsen](#) Example

## Chippewa Valley Technical College

### Topics

- Assessments
- Diagnoses
- Skills

[Simulations](#)

[Teaching Plan](#)

[Videos](#)

### How it works

- Requires an iPad or iPhone
- Download application: Search “ARIS”

Centennial College, Ryerson University, and George Brown College.

## Focus Areas:

- Emergency
- Maternal & Child Health
- Medical-Surgical
- Mental Health
- Pediatrics

[Simulation Portal](#)

## Red River College & eTV Learning Technologies

- Disaster management scenario:
  - Simulation
  - Theory
  - Quiz
  - Debrief

[Turbulent Sky Homepage](#)

# Discussion Questions

1) What questions, comments or reactions do you have?

**Press #6 on your telephone key pad to unmute your phone to answer or ask a question**

**OR**

**Use the “chat” feature to send “everyone” a question.**



**Raise Hand**

If you are having trouble asking a question, please click the “Raise Hand” button on the bottom right of your screen



# Campaign Resources

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Visit us on the web at [www.campaignforaction.org](http://www.campaignforaction.org)  
For webinar resources:  
<http://campaignforaction.org/resources>

**Campaign for Action** ABOUT ISSUES OUR NETWORK BLOG RESOURCES GET INVOLVED Q

## Resources

A LIBRARY AT YOUR FINGERTIPS

Help promote better health through nursing by tapping into hundreds of resources, including studies, toolkits, webinars, and other materials organized in the categories in which the *Campaign* pushes for action.

### ISSUES

- Improving Access to Care
- Transforming Nursing Education
- Promoting Nursing Leadership
- Increasing Diversity
- Collecting Workforce Data
- Fostering Inter-professional Collaboration
- Building Healthier Communities

### TOOLS & TIPS

- Academic Progression in Nursing (APN)
- Advocacy
- Communications and marketing
- Funding opportunities
- Medkits
- Milestones (Dashboard Indicators)
- News releases

keywords  Q

BY STATE

RESET X

- Organizational excellence
  - Fundraising
  - Internal operations
  - Stakeholder engagement
- Research
- State Implementation Program (SIP)
  - Grantee projects
  - Grantee resources
- Webinars



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