Simulation Education
Evidence-Based Best Practices

Session 5
Scenario Design and Development
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Presenters
Jane B. Paige PhD, RN CCNE, CHSE – Milwaukee School of Engineering
Barbara Sittner PhD, RN, APRN-CNS, ANEF-Bryan College of Health Sciences
Disclosures

Relevant to the content of this educational activity, the speakers and moderator have no conflict(s) with commercial interest companies to disclose.
## Overview of Program – Seven Sessions

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<tr>
<th>Session Topic with associated WORKBOOK</th>
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<td><strong>Session 1</strong>: Introduction to Simulation</td>
<td>4/28/2021</td>
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<td><strong>Session 2</strong>: Creating a Supportive Environment and Psychological Safety to Learner and Facilitator</td>
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<td><strong>Session 3</strong>: Debriefing Growth and Assessment</td>
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<td><strong>Session 4</strong>: Evaluation of Student Learning</td>
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<td><strong>Session 5</strong>: Scenario Design and Development</td>
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<td><strong>Session 6</strong>: Curricular Integration and Alignment to Learning Outcomes</td>
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<td><strong>Session 7</strong>: Interprofessional Simulations</td>
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Session #5: Scenario Design and Development

Learning Objectives

1. Examine the criteria and required elements associated with best practices for simulation design.
2. Critique existing scenarios according to best practices for scenario design.
3. Examine the criteria and required elements associated with best practices for simulation operations.
4. Discuss expectations and timeframes to effectively collaborate with Simulation Centers to prepare for simulation base experiences (SBE).
Polling Question - Select All that Apply
Healthcare Simulation Standards of Best Practice™
Scenario Design (2016)

Criteria

1. Perform a needs assessment.
2. Construct measurable objectives.
3. Structure the format of a simulation based on the purpose, theory, and modality for the simulation-based experience.
4. Design a scenario or case to provide the context for the simulation.
5. Use various types of fidelity to create the required perception of realism.

Link to Design Standard
Healthcare Simulation Standards of Best Practice™ Scenario Design (2016) (cont.)

6. Maintain a facilitative approach ... participant centered... driven by the objectives, participant's knowledge or level of experience, ....expected outcomes.


8. Follow simulation-based experiences with a debriefing and/or feedback session.

9. Include an evaluation of the participant(s), facilitator(s), the simulation-based experience, the facility, and the support team.

10. Provide preparation materials and resources

11. Pilot test before full implementation.
Drafting Ideas for new SBE scenario

• Worksheet for brainstorming
  • Available as a fillable pdf
  • 5 pages including review tool

• Once done brainstorming transfer to your institution’s template
Review Tool to Critique SBE scenario
Healthcare Simulation Standards of Best Practice™
Operations (2017)

**Criteria**

1. Implement a strategic plan that coordinates and aligns resources of the SBE program to achieve its goals.

2. Provide personnel with appropriate expertise to support and sustain the SBE program.

3. Use a system to manage space, equipment, and personnel resources.

4. Maintain and manage the financial resources to support stability, sustainability, and growth of the SBE program's goals and outcomes.

5. Use a formal process for effective systems integration.

6. Create policies and procedures to support and sustain the SBE program.
## Simulation Operations - Take Aways!

<table>
<thead>
<tr>
<th>Simulation Criteria</th>
<th>Points to Consider</th>
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<tr>
<td><strong>Strategic Plan</strong></td>
<td>Mission, Vision, Goals, and Objectives</td>
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<td>Leadership</td>
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<td>Stakeholders</td>
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<td>Action Plan</td>
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<td>Evaluation Plan</td>
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<td>Professional Development</td>
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<td><strong>Personnel</strong></td>
<td>Job Descriptions</td>
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<td>Roles and Responsibilities</td>
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<td>Formalized and On-the Job Training</td>
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<td><strong>Resource Management</strong></td>
<td>Day to Day operations</td>
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<td>Technical Support</td>
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Simulation Operations (continued)

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<thead>
<tr>
<th>Simulation Criteria</th>
<th>Points to Consider</th>
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<tr>
<td><strong>Financial Support</strong></td>
<td>Budget (Capital and Operating Expenses)</td>
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<td>Return on Investment</td>
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<td><strong>Systems Integration</strong></td>
<td>Technology</td>
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<td>Administration</td>
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<td>Education</td>
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<td><strong>Policies and Procedures</strong></td>
<td>Human Resource (hiring, leave of absence, coaching, termination)</td>
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<td>Evaluations</td>
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<td>Equipment maintenance</td>
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<td>Safety</td>
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<td>Scheduling</td>
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<td>Confidentiality</td>
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<td>Audiovisual</td>
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Collaborating with the Simulation Center
Collaboration with Simulation Center

1. Schedule time with Simulation Center Director
2. Discuss Plan Identified Need Course
3. Outcomes and Objectives
4. Simulation Modality
5. Build Scenario
6. Meet with Simulation Center Director and Simulation Lab Assistant
7. Totes prepared
8. Pilot Scenario
9. Edit Scenario
10. Facilitate
Society in Healthcare Accreditation

SSH Accreditation of Healthcare Simulation Programs

Congratulations to the Newly Accredited Simulation Programs

Achieve recognition for your healthcare simulation program
Set your program apart by becoming an SSH Accredited Program. SSH Accreditation is a peer-reviewed, customized evaluation of your healthcare simulation program. This accreditation examines simulation program's processes and outcomes in assessment, research, teaching/education, and systems integration.

Expanding quality healthcare simulation worldwide
The SSH Council for Accreditation of Healthcare Simulation Programs accredited its first healthcare simulation program in 2010. There are now over 100 SSH Accredited Programs from 10 countries, and SSH is the largest healthcare simulation accrediting body in the world. Learn more about Full Accreditation.

The Standards fit any healthcare simulation program
The Standards of Performance were developed with all programs in mind. The Standards are not prescriptive but instead describe the desired outcomes and processes that are hallmarks of quality healthcare simulation. SSH Accreditation is designed for simulation programs in:
- Academic/University settings
- Hospitals
- Medical Associations
- Stand-alone facilities
- Other educational settings

Provisional Accreditation
If your program is new to simulation, or doesn’t have two years of outcomes data to share, consider SSH Provisional Accreditation. You’ll receive constructive feedback from healthcare simulation experts regarding processes and outcome development, validate your simulation program through a peer review process, and much more.

Link to
https://www.ssih.org/Credentialing/Accreditation
Questions - what questions do you have so far?
