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Simulation: Making a Game Plan
Susan Lucot, Sr. Patient Safety & Risk Consultant

Learning objectives

- Examine current factors that contribute to clinical errors and patient harm
- Compare learning methodologies
- Define the benefits of simulation training
- Explore sources for scenario topics
- Define the key components of a scenario
- Build a scenario using the components presented

Top risk factors based on MedPro Group claims data

Risk factors are broad areas of concern that may have contributed to allegations, injuries, or initiation of claims.

% of Claims With This Factor

- Clinical Judgment: 71%
- Technical Skill: 43%
- Communication: 37%
- Documentation: 24%
- Behavior-Related: 20%
- Administrative: 19%
- Clinical Systems: 12%

Learning methods

Learning methods	Vision	Hearing	Passive response	Active Response	Emotional
Lecture	✓	✓			
Active role-playing	✓	✓	✓		
Discussion	✓	✓	✓	✓	
Simulation	✓	✓	✓	✓	✓

Learning environment

- Stress
- Practice
- Confidentiality
- Mutual support
- Accountability

Simulation benefits

- Improve outcomes
- Decrease errors
- Promote teamwork
- Increase confidence
- Engage staff

Sources for scenario topics

Orientation	Annual competencies	New procedure/new equipment
New or revised processes	Policies and procedures	Professional practice guidelines
Regulatory updates	Quality indicators	RCA findings
	FMCEA hypotheses	Patient safety initiatives (e.g., AHRQ's TeamSTEPPS®)

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Scenario components

Components of scenarios

Learning objectives
Scenario background
Target participants
Equipment and supply checklist
Scenario setup: patient and room
Handoff report/scenario steps
Facilitator notes
Expected outcomes
Debrief

Learning objectives – SMART goals

S	Specific
M	Measurable
A	Achievable
R	Relevant
T	Time-bound

Learning objectives – sample development

- Specific - Perform a thorough postoperative assessment
- Measureable – Per hospital policy and procedure
- Achievable – Nurse's scope of practice
- Relevant – Required of all clinical unit-based nurses
- Timely – Required upon patient's admission to unit

Learning objectives – sample development

The participant will: Perform a postoperative assessment per hospital policy and procedure

⊙ Learning Objectives – sample development

The participant will:

Document a postoperative assessment per hospital policy and procedure

Develop a patient care plan based on the postoperative assessment per hospital policy and procedure

REMEMBER
One task per learning objective!

⊙ Learning objectives – sample development

The participant will:

Perform a postoperative assessment per hospital policy and procedure

Document a postoperative assessment per hospital policy and procedure

Develop a patient care plan based on the postoperative assessment per hospital policy and procedure

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⊙ Scenario background

- Patient
- Situation (clinical data)
- Interventions
- Patient response
- Additional treatments
- Patient outcomes

Target participants

Disciplines

Skill levels

Scenario roles

- Participants
- Confederates
- Patient
  - Simulator
  - Actor/standardized patient

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Equipment and supply checklist

Equipment (e.g., crash cart, defibrillator, monitors, etc.)

Supplies (e.g., syringes, needles, bandages, medications, etc.)

Communication device (pocket phone, unit-based phone, walkie-talkie, etc.)
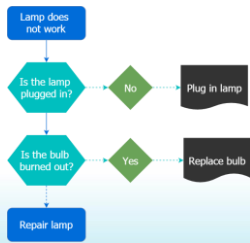
FOR SIMULATION USE ONLY

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Patient and room setup

Patient

Environment/setting

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Patient hand-off report

Patient history	Allergies
Vital signs	Medications
Neurological status	Chief complaint/current status

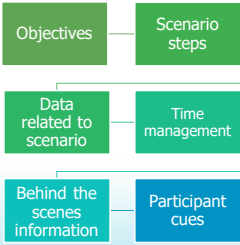## Scenario steps – simple lamp example

Sepsis scenario

Patient assessment/pain assessment/vital signs/past medical history		
Performed?	Prompt used?	Not performed?

Analysis of patient assessment and lab results		
Performed?	Prompt used?	Not performed?

Notification of physician or rapid response team		
Performed?	Prompt used?	Not performed?

Facilitator notes

Objectives — Scenario steps

Data related to scenario — Time management

Behind the scenes information — Participant cues

Expected outcomes

Short term	Long term
• Learning objectives • Process redesign	• Critical thinking skills • Teamwork improvement • Effective communication

Outcomes

Time · Vision · Leadership · Culture · Integrated Teams

Debriefing notes

What went well?

What could have been better?

What can I apply to clinical practice?

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▶ **Scenario building exercise**