

ATI Simulation Scenario Development Worksheet

Phase 1 – Preparation and Pre-Briefing

Criterion 1: Needs Assessment Perform a needs assessment to provide the foundational evidence of the need for a well-designed simulation-based experience

Underlying causes of a concern:	Organizational analysis:
Outcome data:	<ul style="list-style-type: none">• Strengths
Standards:	<ul style="list-style-type: none">• Weaknesses
Stakeholders, participants, clinicians, educators:	<ul style="list-style-type: none">• Opportunities
	<ul style="list-style-type: none">• Threats

Criterion 2: Measurable Objectives Construct measurable objectives

Objective 1	Objective 2	Objective 3
Specific:	Specific:	Specific:
Measurable:	Measurable:	Measurable:
Achievable:	Achievable:	Achievable:
Realistic:	Realistic:	Realistic:
Time phased:	Time phased:	Time phased:

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Criterion 10: Participant Preparation

Provide preparation materials and resources to promote participants' ability to meet identified objectives and achieve expected outcomes of the simulation-based experience

Activities and/or Resources:
 (readings, concept maps, coursework, didactic, sim-specific questions, worksheet, tutorials, audiovisuals, pretest, review of health records, skills review and practice, med cards, etc.)

Codes of conduct, confidentiality, and expectations

Criterion 7: Pre-briefing

Begin simulation-based experiences with a pre-briefing.

<p>Introduction (welcome; learning objectives)</p>	<p>Pre-briefing (ground rules and expected behaviors; psychological safety; sim limitations; debriefing process; evaluation method)</p>	<p>Orientation (environment; equipment such as: simulator, standardized patient, medical devices, furniture; simulation technology: create fiction contract to suspend disbelief)</p>
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Scenario Briefing (scenario-specific details e.g. setting, time; roles and responsibilities, patient situation)

Setting/Time of Day:

Patient History and Prior Interventions:

Team/Facilitators:

Hand-off Report (SBAR):

End of Scenario: (Message/Cue):

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Phase 2 – Scenario Implementation

Criterion 3: Format of Simulation

Structure the format of a simulation based on the purpose, theory, and modality for the simulation-based experience

Purpose

(formative or summative)

Theory/Conceptual Framework

Modality and Typology

(platform and tools)

Simulation Format

(based on needs appraisal, assessment, resources, broad objectives, & participants)

- Starting Point (initial state of patient/situation)

- Participant Activities (e.g., a simulated case or an unfolding scenario, and/or psychomotor skill teaching/evaluation)

- End Point

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Criterion 4: Clinical Scenario or Case

Design a scenario or case to provide the context for the simulation-based experience.

Situation and Backstory (clinical case synopsis and scenario; anticipated learner experience)

Timeframe and Event Flow

Beginning

Middle

End

Clinical Progression / Cues

Critical Actions

ATI Simulation Scenario Development Worksheet (cont.)

Criterion 5: Fidelity

Use various types of fidelity to create the required perception of realism.

Conceptual

(e.g., vital signs are consistent with the diagnosis)

Physical / Environmental

(replication of environment where situation occurs in real life)

Psychological

(mimic contextual elements in clinical environments to promote participant engagement)

Criterion 6: Facilitative Approach

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

Focus

Guidance

Learner Engagement

Performance

Time/Length

Evaluate

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Phase 3: Debriefing and Evaluation

Criterion 8: Debriefing

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

Introduction to Structured Debriefing

Reactions: Emotions

Analysis

(Scenario Review & Feedback; Guided Reflection)

Summary / Extension to Practice

Closing Words and Hope for Benefit

Criterion 9: Evaluation

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

Experience

Participants

Curriculum

Facilitators

Criterion 11: Pilot

Pilot test simulation-based experiences before full implementation.

Dry Run / Validation of Tools

Updates Prior to Full Deployment

Periodic Update for Clinical Practice