



AI in Simulation Scenarios Template

Bring your simulations to life with AI-powered precision.

This template provides a structured format for designing virtual or hybrid simulation scenarios that incorporate AI. It supports nurse educators in creating dynamic, responsive, and personalized learning experiences using AI-generated decision branches, adaptive patient dialogue, and outcomes. Use this as a guide to enhance both high-fidelity mannequin simulations and virtual environments.

Simulation Title

Enter a concise title for the scenario.

[Write your response here]

Target Learners

Specify the learner level (e.g., pre-licensure, RN refresher, graduate-level).

[Write your response here]

Clinical Topic/Focus

State the clinical concept or patient care area (e.g., sepsis, end-of-life, medication safety).

[Write your response here]

Learning Objectives

List 2–4 SMART learning objectives for the simulation.

[Write your response here]

Scenario Overview

Provide a brief description of the setting, patient, and context.

[Write your response here]

Initial Patient Data (AI-generated optional)

Include vital signs, medical history, current condition.

[Write your response here]

Decision Branches (AI-supported prompts)

List decision points where student actions impact scenario outcomes. Example AI Prompt: 'Based on the student's choice to delay administering antibiotics, simulate changes in patient vitals and symptoms.'

[Write your response here]

AI Dialogue Support

Describe how AI can enhance patient/family/nurse dialogue. Example AI Prompt: 'Generate patient responses expressing fear or confusion about the procedure.'

[Write your response here]

Adaptive Outcomes

Detail potential outcomes that evolve based on student decision-making. Example: Patient improves, deteriorates, or requires escalation of care.

[Write your response here]

Debriefing Plan (with AI-generated summaries)

Outline discussion questions or AI-generated transcripts for debrief. Example AI Prompt: 'Summarize all communication errors and suggest alternative phrasing based on best practices.'

[Write your response here]

Assessment Tools

Describe tools for evaluating student performance (e.g., rubrics, checklists, reflection prompts).

[Write your response here]