

## Creating Your Own Room of Horrors: How-tos of Developing an Experiential Patient Safety Curriculum

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<p><b>What's missing in patient safety education?</b></p>	<p><u>Experiential learning</u>: important in residents' patient safety education, but not widely implemented.</p> <p><u>Situational awareness</u>: a key non-technical skill for safety in other high-risk industries, with relevance to clinical safety.</p> <p><u>Simulation-based training</u> (the "Room of Horrors") can provide experiential learning in patient safety by incorporating concepts of situational awareness.</p>
<p><b>What is Situational Awareness (SA)?</b></p>	<p>The perception of the elements in the environment within a volume of time and space, the comprehension of their meaning, and the projection of their status in the near future.</p> <ul style="list-style-type: none"> <li>● <u>Level 1 SA</u>: Perception of status, attributes, and dynamics of relevant elements in the environment</li> <li>● <u>Level 2 SA</u>: Synthesizing disjointed level 1 elements from multiple sources to understand their significance in light of pertinent operator goals, to form patterns that contribute to a holistic picture of the environment</li> <li>● <u>Level 3 SA</u>: Projecting future action of elements through knowledge of status and dynamics of elements and comprehension of situation (i.e. Level 1 and Level 2 SA)</li> </ul>
<p><b>Tips for implementation</b></p>	<ul style="list-style-type: none"> <li>● <i>In-situ</i> simulation exercises</li> <li>● Consider both national patient safety goals and context-specific hazards</li> <li>● Build elements of all three levels of SA into exercises</li> <li>● Commence exercises early in training and continue longitudinally</li> <li>● Multi-disciplinary teams</li> <li>● Encourage solutions</li> <li>● Facilitated debriefing session and feedback</li> </ul>
<p><b>Selected references</b></p>	<p>Endsley MR. Toward a theory of situation awareness in dynamic systems. <i>Human Factors</i>. 1995;37:32-64.</p> <p>Lowe DJ, Ireland AJ, Ross A, et al. Exploring situational awareness in emergency medicine: developing a shared mental model to enhance training and assessment. <i>Postgrad Med J</i>. 2016;doi: 10.1136/postgradmedj-2015-133772.</p>
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