

JBI Systematic Review Title Registration Form

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Title: Facilitating a Psychologically Safer Climate in Simulation-Based Education with Healthcare Learners

Centre: Queen's Collaboration for Health Care Quality: A JBI Centre of Excellence

Primary Reviewer

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Question What interventions are effective for establishing and maintaining psychological safety within the three phases of simulation with healthcare learners?

PICO

Population: health care learners

In this systematic review, we will consider studies that include all healthcare learners. A learner, in this case, will consist of students and/or licensed practicing healthcare professionals including: audiology and speech-language pathology, chiropody and podiatry, chiropractic, dental hygiene, dental technology, dentistry, denturism, dietetics, homeopathy, kinesiology, massage therapy, medical laboratory technology, medical radiation technology, medicine, midwifery, naturopathy, nursing, occupational therapy, opticianry, optometry, pharmacy, physiotherapy, psychology, psychotherapy, respiratory therapy, traditional Chinese medicine, and acupuncture.

Intervention: (quantitative - effectiveness)

In this systematic review, we will consider any intervention aimed at improving psychological safety or its related components including “speaking- up” / “speaking- out”, learning oriented behaviours, risk taking in simulation-based learning environments. Some of the interventions may include but are not limited to establishing a fiction contract, orientation to the simulation environment, unconditional positive regard, pre-briefing, debriefing, mindfulness, formalized education or cognitive aids.

Comparator: (quantitative – effectiveness)

In this systematic review, we will compare the interventions to alternative interventions or no interventions. Further, this review considers studies that compare the intervention in any SBL environments, including but not limited to in-person simulation, virtual simulation, virtual simulation gaming, escape rooms or virtual reality. Lastly, this review will include studies that compare the intervention to any level of fidelity, including but not limited to low, medium, high, and mixed.

Outcome: quantitative

In this systematic review, we will consider studies that include but are not limited to the following outcomes: psychological safety at any level (individual, team and organizational), learning outcomes, knowledge, learning engagement, learning-oriented behaviours, team cohesiveness, self-confidence, anxiety, skill performance or any other empirically tested reported outcome. However, all author-reported outcomes are included.
