

TRANSFORMATIVE SIMULATION

A tool to transform health & care through collective understanding, insight & learning

Introduction: Use of simulation to transform healthcare is increasing, however, there is no common understanding in how it is defined, described, and conducted, thus advancement, legitimacy, and implementation is slow.

Study aims: To formalize the field by generating a clear set of terms and definitions through a concept taxonomy of the discovered literature.

Study design: A pearl growing, snowballing, and citation searching literature review was conducted, followed by a concept taxonomy.

Results: 83 papers were identified from around the world, published from 2008 to 2023. The “Rainbow Seven” Simulation-Based ‘I’s (Innovation, Improvement, Intervention, Involvement, Identification, Inclusion and Influence) were created.

Conclusions: This review and taxonomy has revealed the breadth of an emerging and distinct field within healthcare simulation, identified the rate at which this field is growing, and how widespread it is geographically. It has highlighted confusion in terminology used to describe it, as well as a lack of consistency in how it is presented throughout the literature. This taxonomy has created a grounding and step change for this work which is embedded in the literature, providing a rich multi-dimensional resource describing how it is being utilized globally.

Overall contribution to knowledge and future plans: The term and its concept is increasingly widely adopted. There is a growing community of practice, it is the theme for the UK ASPIH 2024 conference, taught on two UK MSc programmes, the topic of several PhDs, a book chapter, a keynote at international conference and is cited in the worldwide simulation Global Consensus. Next, we publish on “How to do TS well.”

Weldon, SM, Buttery, A, Spearpoint, K, Kneebone, R. Transformative forms of simulation in health care – the seven simulation-based ‘I’s: a concept taxonomy review of the literature. International Journal of Healthcare Simulation, (2023). <https://www.ijohs.com/article/doi/10.54531/tzfd6375>

Sharon Marie Weldon¹; Andy Buttery²

1: U of Greenwich; 2: Canterbury Christ Church U.

Innovation: Introduction of novelties

Improvement: Change for the better

Intervention: Affect course or issue

Involvement: Implicated or engaged

Identification: Discovery and recognition

Inclusion: Embedded, having equal access

Influence: Capacity or power to effect

