Comparison of a Simulation Product or Process

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In the upper-level BSN courses and the hospital-based nurse residency programs, simulation can be used as an effective method of nursing education that requires students to integrate theory and practice. It assists the learners in becoming critical thinkers, understanding clinical judgment, and practical skills before attending to actual patients. Simulation allows practice of knowledge in specific areas such as physical assessment, pharmacology, and pathophysiology in a safe environment and empower learners.

As the digital learning gains popularity, it is the duty of nurse educators to select the best simulation strategies to facilitate student achievement (Koukourikos et al., 2021). This is assessment is on two common simulation tools: online virtual patient simulation of Sentinel U and high-fidelity manikin simulation. Sentinel U is fully flexible and self-taught in virtual case scenarios, and high-fidelity patient simulators offer realistic, hands-on trainings. The purpose of the comparison is to help educators with the choice of the appropriate simulation tool as a means of improving learning process and training students to be efficient and safe professionals working with the patients.

Simulation Techniques

When comparing simulation technologies in healthcare education, Sentinel U and high-fidelity manikins are also common sources of special strength that facilitate various elements of clinical education (Macnamara et al., 2021). Sentinel U is a delivery model that runs on the web and is self-paced with another immersive virtual patient encounter. The case of Evan Wright is one of them, as they used branching decision trees, embedded feedback, as well as the situation integrated social determinants of health. Such a simulation will be able to help in building clinical reasoning, communication and patient-centered care. The fact that it is asynchronous and accessible means that it is suitable to learners that have different

schedules and geographical limitations. It is a scalable and low-cost solution to both academic and health care institutions (Elendu et al., 2024).

Conversely, the use of high-fidelity manikins is an immersion and practical experience. The simulators mimic real physiological reactions, including heart rate, breathing and skin color. Students work through practical apparatus in the in-the-moment team-based instructor led setting. This strategy allows developing the sense of touch and enhances the ability of psychomotor skills which are required during body examination and emergency situations (Carey & Rossler, 2023).