

**Frequency of Exposure with MamaNatalie Simulation
and Self-Perceived Competence in the Delivery
Room Among Student Nurses**

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FREQUENCY OF EXPOSURE WITH MAMANATALIE SIMULATION AND SELF-PERCEIVED COMPETENCE IN THE DELIVERY ROOM AMONG STUDENT NURSES

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Abstract

Technology can support and modify education in many ways. Technology can also aid in nursing education in the form of high-fidelity simulations using electronic training manikins. Clinical Instructors can program the manikins to simulate scenarios that student nurses might encounter in clinical practice. Based on the manikin's symptoms, students can take vital signs, monitor changes, and make decisions. These simulations gave them a sense of realism as if they were working with an actual client. The target population and sample size, determined using the stratified random sampling method, comprised 147 respondents from a private university in Iloilo City. This study utilized a quantitative descriptive-correlational research design with a validated and reliable research instrument. The results showed that 78.2% of the respondents were female and 21.8 % were male; 69.4% were aged 21; and 53.7% were in the lower middle class. Notably, 35.4% of respondents reported a frequency of exposure range of 2.30 or below, while 37.4% had a self-perceived competence range of 4.71 or above. Statistical analysis indicated a strong relationship between self-perceived competence and frequency of exposure (Spearman's $\rho = + .645$), and this strong relationship was statistically significant ($p = .002$). This suggested that self-perceived competence directly influenced the frequency of exposure of Student Nurses in a private university in Iloilo City. In conclusion, the respondents were predominantly female, mostly 21 years old,

and in the lower middle class. The frequency of exposure was found to be less than two simulations and the mean score of 4.5 suggested that the respondents' self-perceived competence was "very high."

Keywords: Technology in nursing education, High-fidelity simulations, Clinical Instructors, Student nurses, Stratified random sampling, Quantitative descriptive-correlational research design, Self-perceived competence, Frequency of exposure, Relationship between competence and exposure

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