Glimpse into Simulation and Critical Thinking: A Pilot Study Comparing Utah and Ecuador

Katrina Duncan
katrinalynd@gmail.com

Patricia K. Ravert

Follow this and additional works at: https://scholarsarchive.byu.edu/facpub

Part of the Nursing Commons

Original Publication Citation

BYU ScholarsArchive Citation
Duncan, Katrina and Ravert, Patricia K., "Glimpse into Simulation and Critical Thinking: A Pilot Study Comparing Utah and Ecuador" (2009). All Faculty Publications. 44.
https://scholarsarchive.byu.edu/facpub/44

This Poster is brought to you for free and open access by BYU ScholarsArchive. It has been accepted for inclusion in All Faculty Publications by an authorized administrator of BYU ScholarsArchive. For more information, please contact scholarsarchive@byu.edu, ellen_amatangelo@byu.edu.
Glimpse into Simulation and Critical Thinking: A Pilot Study Comparing Utah and Ecuador
Katrina Duncan, RN, BS; Patricia Ravert, RN, PhD, CNE

Background

- Classroom learning is practiced and applied through simulation, which can help develop critical thinking and clinical judgment skills imperative in clinical settings for both students and new nurse graduates.
- Simulation is well developed in the United States but is in early stages of use and development in South America.

Research Questions

- What is the role of simulation in nursing education in diverse programs?
- How can simulation improve new registered nurse graduates' critical thinking/clinical judgment?

Study Procedures

- Descriptive qualitative research study
- Interviewed nursing students in Utah and recently graduated licensed nurses in Utah and Guayaquil, Ecuador
- Interviews were transcribed
- Categorical analysis of data was completed to identify common themes and responses across study groups

Findings

- "I think simulation helps because as opposed to just reading it, you are actually doing it. Even though it's not real life, not a real patient, you are still going through the motions and forming the skills. I think it helps because it is as close to real life as you can be without doing it on a real patient. It increases your ability, increases your confidence, and prepares you better." -Utah Nursing Student
- "It did help in school to practice, but it's a lot different than real life...[where as] in simulation you only get to do one thing but in real life you have to do a lot of different things." -Ecuador Nurse

<table>
<thead>
<tr>
<th>Themes of Simulation Use</th>
<th>Utah Nursing Students</th>
<th>Utah Registered Nurses</th>
<th>Ecuador Licensed Nurses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Themes</td>
<td>Safety in practice</td>
<td>Importance of experience with reality</td>
<td>Putting it together</td>
</tr>
</tbody>
</table>

Benefits and Drawbacks of Simulation

<table>
<thead>
<tr>
<th>Benefits of Simulation</th>
<th>Utah Nursing Students</th>
<th>Utah Registered Nurses</th>
<th>Ecuador Licensed Nurses</th>
</tr>
</thead>
<tbody>
<tr>
<td>familiar with patterns and changes</td>
<td>familiar with patterns and changes</td>
<td>familiar with patterns and changes</td>
<td></td>
</tr>
<tr>
<td>learning in safe environment</td>
<td>learning in safe environment</td>
<td>learning in safe environment</td>
<td></td>
</tr>
<tr>
<td>expand theoretical knowledge</td>
<td>expand theoretical knowledge</td>
<td>expand theoretical knowledge</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drawbacks of Simulation</th>
<th>Utah Nursing Students</th>
<th>Utah Registered Nurses</th>
<th>Ecuador Licensed Nurses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Real patient differs from simulation</td>
<td>Real patient differs from simulation</td>
<td>Real patient differs from simulation</td>
<td></td>
</tr>
<tr>
<td>Time help with patient response and communication</td>
<td>Instructor overly involved; impeded learning</td>
<td>Hospital experience more valuable</td>
<td></td>
</tr>
</tbody>
</table>

Conclusions

- The higher the fidelity of simulation, the greater benefit that exists to the learning and development of nurses, though nothing replaces experience with real patients.
- In Ecuador, with further advancement and development of simulation, the preparation and critical thinking of nurses may increase.