The Impact of	
Multi-user Virtual	
Environments on	T.A
Student	TO THE SECOND
Engagement	u u u i okt
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Benefits of Online

- Cost and access
- Diverse student cohort
- Global opportunity for nurse educators with expertise to deliver content.

Rackground

- "Millennials" or "Generation Y's" are techno- savvy.
- Online learning is a global issue.
- Online learning benefits Nursing education.

Online Education Globall

- US: 7 million students
 - Focused on undergraduate studies
- Worldwide
 - Fast growing markets
 - Open Education Europa
 - Growing Markets and other "plugged in" continents
- MOOCs

Online Delivery Options

- · Asynchronous web-based learning
 - Reflective inquiry, self-paced.
 Static.

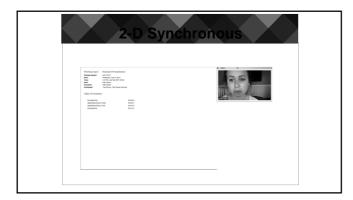
 - Lacks presence.

 Reduced overall satisfaction and perceived learning in educational experience.
- · Synchronous web-based learning

 - Sylicition and St.
 Page 2 and St.
 Visual, real time, student-centric learning.
 Immediate feedback and remediation.
 Beneficial, satisfying and facilitates understanding of course content in nursing education.

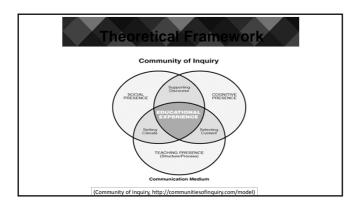
synchronous Example B beauti





	3-D MUVEs
•	Multiuser Virtual Environments (MUVEs)
	– Immersive learning environment.
	 Dynamic synchronous platforms with personalized avatars.
	 Interact through verbal and non-verbal communication.
	 Concurrent breakout sessions; student to student options

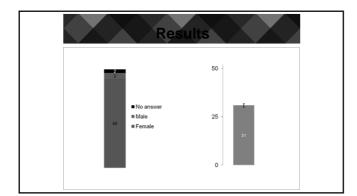


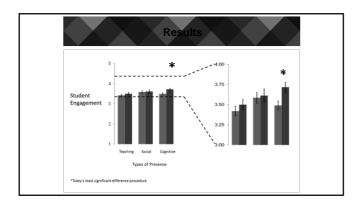


Aims

- User friendly innovative pedagogic strategies that respond to experiential and diverse learning styles.
- Novel approach to graduate nursing instruction that increases student engagement using an innovative synchronous platform.
- Constructivist learning, socialization, exploration, discovery, and creativity.

- Quasi-experimental two group post-test only.
- Convenience sample (n=21)
- Asynchronous and synchronous learning platforms:
 - VenueGen
- Blackboard ™
- Identical content.
- Community of Inquiry Survey (Cronbach's \(\alpha = 0.91 0.95 \).





Discussion and Implication

- Synchronous instruction using MUVEs increases student engagement
- Increase in student engagement appears to be primarily though the cognitive element of presence.
- Students may benefit by using MUVEs in curricula.

Study Limitations

- Sample and design
- Platform familiarity over time
- Hardware and connectivity issues

Conclusion

- Next Steps
- Embracing the digital age of nursing

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