

# Virtual Cultural Experiences on Developing Cultural Competence Among Baccalaureate Nursing Students

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## Introduction

US projected to be more ethnically and racially diverse (Colby & Ortman, 2015)

Ethnically and racially diverse populations suffer higher rates of illness and disability (IOM, 2002)

Nurses need skills and attitudes

Cultural competency education and cultural immersion experiences

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# Background



Required 3 credit course



20 years sending students abroad



4 week cultural immersion experience



COVID - 19



Travel Suspended



Meet course outcomes



Provide experience

3

# Plan



Google search - virtual mission trips



Researched 3 organizations



Settled on organization in southern US



Revamped course assignments

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## Virtual Cultural Experiences

Greece

Guatemala

Taiwan

Seattle, WA

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## Virtual Cultural Experience

6-7 day experiences

Approximately 4-5 hours on Zoom

Approximately 1 hour of prep work

Real-time interaction with hosts and clients/patients

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# Literature Review

01

Challenge for nurses to provide culturally competent care, but eessential for nurses (Shaya & Gbarayor, 2007; Stanley, Hayes, & Silverman, 2014; Mesler, 2014)

02

Challenge to integrate cultural competence education (Bentley & Ellison, 2007), but a responsibility of nursing faculty(AACN, 2008b)

03

Help establish standard curriculum guidelines (Larson, Ott, & Miles, 2010)

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## Literature Review Summary

Need for curriculum changes (Stanley et al., 2014; Mesler, 2014)

Immersion experiences impact cultural competence (Ballestas et al., 2013; Larsen et al., 2011)

No literature on virtual cultural experiences

Gaps pertain to virtual experiences, nursing curricula and education (Stanley et al., 2014; Larsen et al., 2011; Long, 2016)

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Is there a difference in cultural competence among baccalaureate nursing students after a required virtual cultural experience ?

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## Sample and Setting

### Sample

- Convenience sample of senior baccalaureate nursing students
- n = 44

### Setting

- Small private faith-based university
- Located in the Seattle, WA area of the United States
- Pre-licensure baccalaureate nursing program

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## Instruments

The Inventory for Assessing the Process of Cultural Competence Among Healthcare Professionals – Student Version (IAPCC-SV)

Demographics Questionnaire

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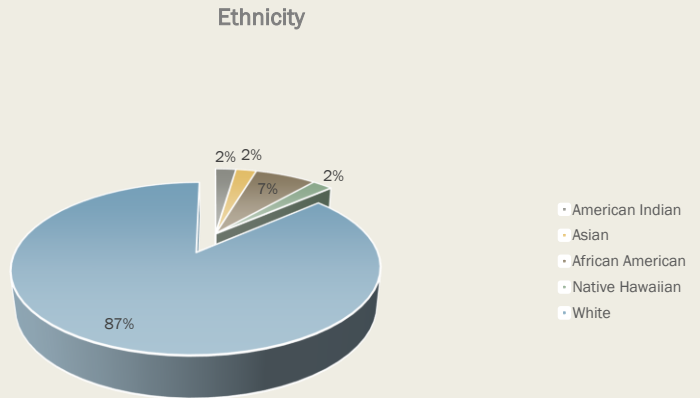
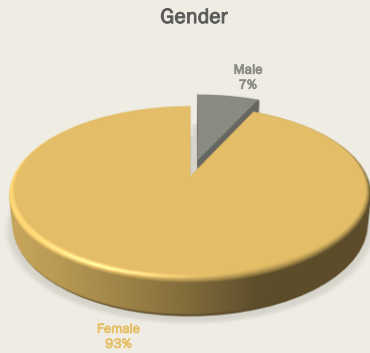
## Data Analysis

Paired  
(dependent)  
samples t-test

Descriptive  
statistics

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# Results – Demographics



# Results - Demographics

Traveled abroad = 91%

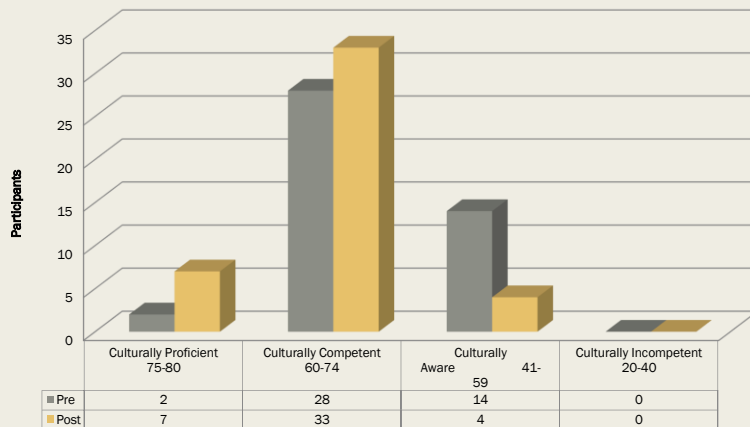
- *Pleasure*
- *Service/Missions*

Lived Abroad = 11%

- *Work/Business*
- *Service/Missions*
- *Lived with family before immigration*

# Results

Level of Cultural Competence  
Pre Post Cross-Cultural Experience



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# Results

There was a significant difference in cultural competence among baccalaureate nursing students after a virtual cultural experience

## Results of Paired t-test Before and After Cultural Immersion

Before Immersion		After Immersion		n	95% CI for Mean Difference Lower, Upper	t	df	Sig.
M	SD	M	SD					
62.48	6.79	68.5	5.64	44	-8.19; -3.84	-5.58	43	0.000*

\* p < .05.

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# Results

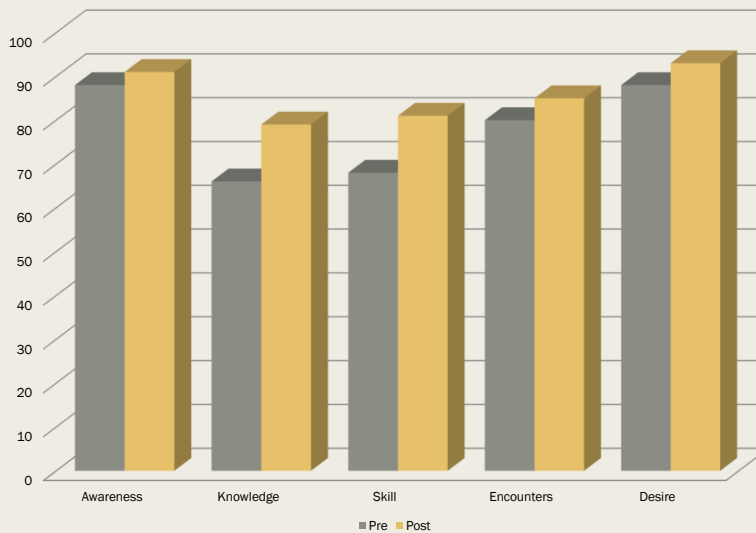
## *Paired t-test Results and Descriptive Statistics for Awareness, Knowledge, Skill, Encounter and Desire*

Outcome	Pre-test total		Post-test total		95% confidence for mean difference	t	Df	Sig
	M	SD	M	SD	Lower, higher			
Knowledge	13.36	2.39	15.84	1.94	-3.375; -1.579	-5.565	43	*0.000
Skill	8.30	1.84	9.80	1.41	-2.202; -.798	-4.312	43	*0.000
Encounter	16.11	1.85	16.98	1.82	-1.505; -.223	-2.717	43	*0.009
Awareness	10.55	.95	10.91	.91	-.672; -.055	-2.380	43	*0.022
Desire	14.16	1.80	14.98	1.39	-1.340; -.297	-3.164	43	*0.003

\* p < .05.

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Cultural Competency Constructs Pre Post 2021 Total Scores



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## Limitations



IMPACT OF PREREQUISITE  
COURSES AND REQUIRED  
CULTURAL COURSE



VIRTUAL CULTURAL SITES



MISSION OF THE UNIVERSITY  
AND COLLEGE OF NURSING

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## Recommendations



VIRTUAL CULTURAL  
EXPERIENCES HAVE A PLACE  
IN NURSING EDUCATION



COST EFFECTIVE



SUSTAINABLE



EXAMINE INDIVIDUAL  
VIRTUAL CULTURAL  
EXPERIENCES

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## Summary

Results indicated an increase in cultural competence

Results supported adding virtual cultural experiences

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**QUESTIONS?**

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