

A Comparison of Two Measures of Cultural Competence and Their Utility in Healthcare Education

Heidi Johnson Eigsti PT, DPT, PhD Paula DiBiasio PT, MS, DPT Srikant Vallabhajosula PhD



Background

Cultural Competence (CC) is a well-established healthcare professional responsibility and is described as the ability to effectively deliver services that meet the social, cultural, and linguistic needs of patients. Doctor of Physical Therapy programs must be able to reliably and accurately assess program and student outcomes. There is little guidance in the selection of measures of CC that would assist in determining best practice.

Purpose

The purpose of this study was to investigate the relationship between student scores on two common measures of CC, the Intercultural Development Inventory® (IDI) and the Inventory for Assessing the Process of Cultural Competence-among healthcare professionals-Student Version® (IAPCC-SV).

Material and Methods

Table 2. Subject Demographics n=145.					
Age (years) @ IAPCC-SV					
administration					
<18	0				
18-24	53				
25-34	85				
35 or more	7				
Gender					
Female	87				
Male	58				
Other	0				
Ethnicity					
American Indian or					
Alaska Native	2				
Asian	8				
Black or African					
American	0				
Hispanic/Latino	5				
Native Hawaiian or					
Pacific Islander	0				
White	105				
Other	2				
Two or more					
ethnicities/multi-ethnic	23				

Timeline

The IDI and the IAPCC-SV
were administered to FYS
within 4 weeks of starting the
program and to the TYS within
4 weeks of graduation.

Data Analysis

 Data were analyzed with Spearman-rho correlations and Chi-square statistical tests.

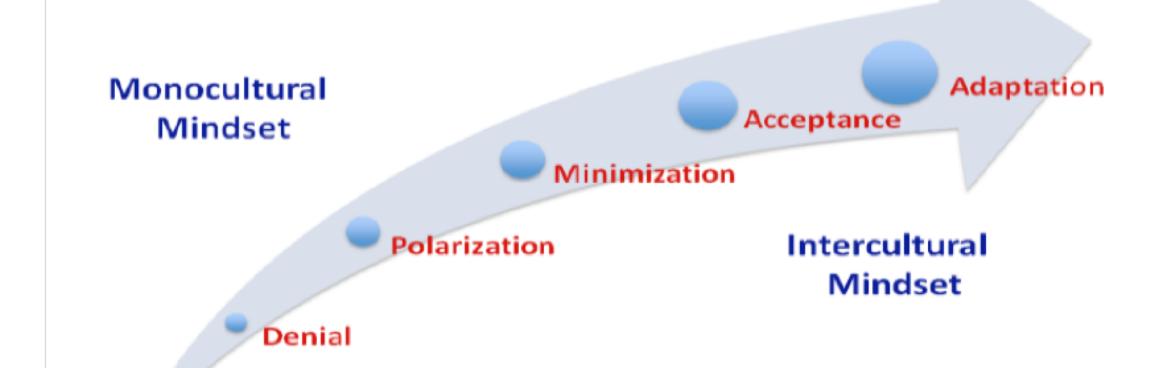
Results

The Intercultural Development Inventory (IDI) and the IAPCC measure different constructs of cultural competence and have low to negligible correlations between. (r<. 95% CI=).

IDI and IAPC	<u>C-8 v</u>	Correlation	UIIS, II—143.										
	IA	APCC-SV	95% CI	Cultural Awareness	95% CI	Cultural Knowledge	95% CI	Cultural Skill	95% CI	Cultural Encounters	95% CI	Cultural Desire	95% CI
Perceived Orientation	rho	.28**	.1242	0.11	0520	.28**	.1242	.28**	.1242	0.144	0230	0.16*	-0.003- 0.32
	p	0		0.2		0.001		0.001		0.085		0.05	
Developmental Orientation	rho	0.19*	.0334	0.06	1022	0.22**	.0637	.21*	.0536	0.07	0923	0.1	0626
	p	0		0.45		0.009		0.01		0.4		0.25	
Denial	rho	0	1022	0.004	1617	0.11	0527	0.056	1122	0.02	1418	0.05	1121
	p	0		0.96		0.2		0.5		0.8		0.587	
Polarization	rho	-0	1616	0.08	0824	0.05	1221	-0.025	1914	-0.022	1814	-0.04	2012
(Defense)	p	1		0.32		0.53		0.76		0.79		0.64	
	rho	0	0923	0.047	1221	0.11	0527	0.15	01331	-0.04	2012	0.003	1617
(Reversal)	p	0		0.58		0.19		0.07		0.64		0.97	
Minimization	rho	0	1022	-0.018	1814	0.11	0527	0.15	01331	-0.06	221	-0.2	3504
	p	0		0.83		0.18		0.06		0.484		0.814	
Acceptance	rho	.35**	.2048	.35**	.2049	.28**	.1242	.18*	.01833	0.31**	.1645	.26*	.1041
	p	0		0.001		0.002		0.031		0.0001		0.002	
Adaptation	rho	.39**	.2452	0.25**	.0940	.34**	.1948	.30**	.1444	0.27**	.1142	.24**	.0839
	p	0		0.003		0.001		0.0001		0.001		0.004	
*denotes signific	cance	2<.05											

	IDI	IAPCC-SV
Target population	General population	Students in health profession education

Intercultural Development Continuum



5 Developmental Orientations

5 Constructs

A warenes: Am I aware of my personal biases and prejudices towards cultural groups different than mine?

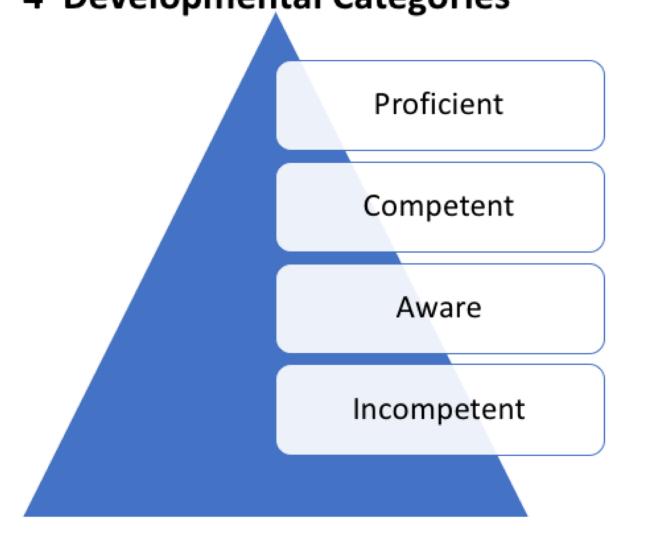
S kill: Do I have the skill to conduct a cultural assessment and perform a culturally-based physical assessment in a sensitive manner?

K nowledge: Do I have knowledge of the patient's world view and the field of biocultural ecology?

E ncounters: How many face-to-face encounters have I had with patients from diverse cultural backgrounds?

D esire: What is my genuine desire to "want to be" culturally competent?

4 Developmental Categories



Campinha-Bacote J. Many Faces: Addressing Diversity in Health Care. Online Journal of Issues in Nursing. 2003;8(1):123-130.

 The IDI measures a global mindset or perspective related to how one recognizes and responds to patterns of cultural similarities and difference, while the IAPCC-SV measures specific knowledge, skills, desire, encounters and awareness related to CC in healthcare

Discussion

Conclusions

- Specific CC healthcare measures should be used in combination with other measures when student skills are expected to be generalized to interprofessional relationships and community environments.
- Mulitmodal assessment that triangulates quantitative data and qualitative analysis of students' work (selfassessment, reflections, papers, presentations, etc.) will...
- Lead to a deeper understanding of students' intercultural development across settings
- allow students to self assess and set personal goals
- provide rich data for assessing student learning and programmatic outcomes.

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