

# GPI

Global Perspective Inventory

[www.gpi.hs.iastate.edu](http://www.gpi.hs.iastate.edu)

**Study Abroad Pre-Post Comparison Report**  
August 2017

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## Factor Structure and Analysis

The Global Perspective Inventory (GPI) scales are theoretically and empirically grounded. Holistic human development with a specific focus on cultural development theory and intercultural communication theory provide a theoretical foundation. The [Global Perspective Inventory: Theoretical Foundations and Scale Descriptions](#) report on the GPI Website provides additional information on the scales. In addition, the scales are empirically supported by Dr. Larry Braskamp and colleagues' principal component analysis with Varimax rotation conducted using data from the GPI General Form collected during the 2012-2013 academic year. Additional analyses were conducted using principal axis factoring with Varimax and Promax rotations, which yielded similar results.

Factor analysis is a data reduction technique that allows researchers to identify broad constructs that underlie related survey items. Factor analysis, therefore, reduces a large number of individual items to a more manageable set of factors by combining items that are statistically and conceptually related to one another. The items identified under a single factor can be combined into a "scale," which will allow for greater ease of interpretation and application.

### Scale Statistics

The means and standard deviations of the scales within this report are based on analysis conducted by researchers at Iowa State University on the paired data collected since July 2015 using the General Form and Study Abroad Form ( $n = 164$ ) as the pre-study abroad and post-study abroad assessments, respectively. Scale scores are calculated as the mean of all items contained in the factor. All variables are coded so that a high mean score signify more positive levels related to the specific dimension of the development of global perspective. Coefficient alpha values ranged from 0.63 to 0.94 for the General Form and Study Abroad Form national norm data. For more information on the scales and component items, see the [Global Perspective Inventory: Scales and Component Items](#) report on the GPI Website.

### Study Abroad Form by Term Length

	Short-Term		Mid-Length		Long Term		National Norm	
	M	SD	M	SD	M	SD	M	SD
Knowing	3.71	0.55	3.69	0.58	-	-	3.54	0.61
Knowledge	3.76	0.67	3.96	0.45	-	-	3.85	0.57
Identity	4.10	0.51	4.08	0.45	-	-	4.11	0.52
Affect	4.33	0.41	4.33	0.44	-	-	4.19	0.55
Social Responsibility	4.05	0.50	3.83	0.50	-	-	3.78	0.57
Social Interactions	3.37	0.64	3.56	0.67	-	-	3.48	0.66
Intercultural Wonderment	3.71	0.55	3.69	0.58	-	-	2.65	1.19

Note: Sample size (n = 164). No valid data existed for long term study abroad.

**Study Abroad Pre-Post Mean Difference – All Terms (Short, Long, Mid-Length)**

	Pre-Test		Post-Test		Mean Difference	Correlation
	M	SD	M	SD		
Knowing	3.57	0.49	3.70	0.57	0.13	.398***
Knowledge	3.51	0.69	3.89	0.55	0.38	.452***
Identity	3.91	0.56	4.09	0.47	0.18	.557***
Affect	4.20	0.46	4.34	0.44	0.14	.576***
Social Responsibility	3.80	0.56	3.91	0.52	0.12	.616***
Social Interactions	3.18	0.69	3.48	0.66	0.30	.535***

Note: Sample size (n = 164). \*\*\* p < 0.001. \*\* p < 0.01. \* p < 0.05.

**Study Abroad Pre-Post Mean Difference - Short-Term (Summer, January Term, May Term)**

	Pre-Test		Post-Test		Mean Difference	Correlation
	M	SD	M	SD		
Knowing	3.60	0.47	3.71	0.55	0.11	.452***
Knowledge	3.52	0.66	3.76	0.67	0.25	.699***
Identity	3.97	0.62	4.10	0.51	0.13	.684***
Affect	4.21	0.48	4.33	0.41	0.12	.705***
Social Responsibility	3.97	0.53	4.05	0.50	0.08	.669***
Social Interactions	3.17	0.61	3.37	0.64	0.19	.474***

Note: Sample size (n = 61). \*\*\* p < 0.001. \*\* p < 0.01. \* p < 0.05.

**Study Abroad Pre-Post Mean Difference - Mid-Length (One quarter or semester)**

	Pre-Test		Post-Test		Mean Difference	Correlation
	M	SD	M	SD		
Knowing	3.55	0.51	3.69	0.58	0.14	.356***
Knowledge	3.52	0.71	3.96	0.45	0.44	.280**
Identity	3.86	0.52	4.08	0.45	0.21	.450***
Affect	4.19	0.44	4.33	0.44	0.14	.489***
Social Responsibility	3.69	0.56	3.83	0.50	0.14	.548***
Social Interactions	3.20	0.75	3.56	0.67	0.36	.569***

Note: Sample size (n = 101). \*\*\* p < 0.001. \*\* p < 0.01. \* p < 0.05.

### **About the GPI and Global Perspective Institute, Inc.**

The GPI was originally housed at The Global Perspective Institute Inc., which was established in 2008 to study and promote global holistic human development, especially among college students. The GPI was hosted by Central College in Pella, IA under the direction of Larry Braskamp until 2015 when Iowa State University began hosting the GPI under the direction of Robert Reason.

The GPI is now housed at the Research Institute for Studies in Education (RISE), a unit of the School of Education. RISE was formed in 1974 to conduct comprehensive, integrated research and evaluation studies that enhance PK-20 education locally, nationally, and globally. RISE promotes the integration of evaluation, research, and policy through partnerships with schools, colleges and universities, federal and state education agencies, and private agencies and foundations.