



Summary Statistics of the Development of the IDI v.3: 2007; 2009
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Summary on the Validation Samples Used in Developing the IDI:

The 50-item Intercultural Development Inventory (IDI v2) was developed based on a cross-cultural sample of 591 respondents (see Hammer, M.R., Bennett, M.J. & Wiseman, R., 2003, *The Intercultural Development Inventory: A measure of intercultural sensitivity*. In M. Paige, Guest Editor, *International Journal of Intercultural Relations*, 27, 421-443). In 2007, a second (IDI v.3) cross-cultural sample of 4,763 respondents included a wide range of age groups and professions. All 4,763 of the respondents completed the IDI in their native language (six language versions) using rigorously back-translated versions of the IDI.

Standard Error of Measurement of the IDI

The Standard Error of Measurement (SEM) of a test refers to the standard deviation of test scores that would have been obtained from a single respondent had that respondent been tested multiple times. It is a measure of the "spread" of scores within a respondent had the respondent been tested repeatedly and ad infinitum. That is, if a single respondent were to take the same test repeatedly (with no new learning taking place between testings and no memory of question effects), the standard deviation of his/her repeated test scores is denoted as the Standard Error of Measurement. The SEM of the Developmental Orientation scale is 3.66 and 3.49 for the Perceived Orientation.

Validity and Reliability of the IDI

The 50-item IDI v.2 underwent rigorous validity and reliability testing (see Hammer, M.R., Bennett, M.J. & Wiseman, R., 2003). Further testing of the IDI v.3 with a sample of 4,763 in 2007 identified the following unidimensional scales (using Confirmatory Factor Analysis) along with their overall reliability (Coefficient Alpha):

Perceived Orientation (PO) Scale (.82) * Developmental Orientation (DO) Scale (.83) * Denial Sub-scale (.66) * Defense Sub-scale (.72) * Reversal Sub-scale (.78) * Minimization Sub-scale (.74)* Acceptance Sub-scale (.69) * Adaptation Sub-scale (.71) * Cultural Disengagement Sub-scale (.79)

Correlations among the Seven Sub-scales of the IDI

Table 1 below presents the intercorrelations among the seven dimensions of the 50-item IDI v.3. There is a strong correlation between Defense and Denial ($r = .83$) and between Acceptance and Adaptation ($r = .64$). Reversal is positively correlated with Denial (.36) and with Defense (.38) and not significantly correlated with Acceptance (.01) or Adaptation (.12). Minimization is not significantly correlated with either the more Monocultural orientations (Denial, Defense, Reversal) or the more Intercultural Orientations (Acceptance, Adaptation), suggesting Minimization exists as a transitional orientation between the more Monocultural and Intercultural orientations. Finally, there are negative correlations between Defense and Denial scales and the Acceptance and Adaptation scales. These findings provide support for the intercultural development continuum. The Cultural Disengagement scale, while not located within the intercultural development continuum, is correlated most strongly with Reversal, consistent with the conceptualization of Cultural Disengagement as a disconnection with one's own culture.

Table 1
Correlations among Seven Orientations (Latent Variables): Sample: 4,763 Respondents

Denial	1.000
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Defense	.830	1.000					
Reversal	.358	.367	1.000				
Minim	-.033	.062	.036	1.000			
Accept	-.169	-.111	.012	.014	1.000		
Adapt	-.185	-.084	.124	.144	.638	1.000	
Cul. Disengage	.227	.110	.433	.007	-.073	.033	1.000
	Denial	Defense	Reversal	Minim	Accept	Adapt	Cul. Disengagement