

APPENDIX 18: OPERATIONAL TEST RELIABILITY BY SUBPOPULATIONS

Table 18–1. Reliability by Ethnicity

Grade	Subpopulation Group	L	N	Mean	SD	Mean p-value	Reliability	SEM
4	White (Caucasian)	48	4841	35.84	8.41	0.72	0.89	2.79
	African American	48	340	28.74	8.27	0.57	0.86	3.09
	Hispanic	48	648	31.33	8.79	0.63	0.88	3.01
	Asian/Pac. Islander/Native Hawaiian	48	741	28.39	8.95	0.57	0.88	3.09
	Alaska Native and American Indian	48	2113	26.22	9.32	0.52	0.89	3.11
	Two or more races	48	700	32.04	8.85	0.64	0.89	2.98
8	White (Caucasian)	56	5043	41.46	10.00	0.67	0.89	3.28
	African American	56	336	32.86	10.52	0.53	0.89	3.46
	Hispanic	56	526	35.72	10.73	0.58	0.90	3.45
	Asian/Pac. Islander/Native Hawaiian	56	731	35.84	10.57	0.58	0.89	3.45
	Alaska Native and American Indian	56	1905	31.41	10.96	0.51	0.90	3.46
	Two or more races	56	605	38.30	10.14	0.62	0.89	3.38
10	White (Caucasian)	56	4961	40.26	10.24	0.63	0.90	3.32
	African American	56	312	32.75	10.52	0.51	0.89	3.46
	Hispanic	56	484	34.58	10.45	0.54	0.89	3.42
	Asian/Pac. Islander/Native Hawaiian	56	702	33.73	10.69	0.53	0.90	3.44
	Alaska Native and American Indian	56	1909	30.74	9.90	0.48	0.88	3.45
	Two or more races	56	475	37.40	9.76	0.58	0.88	3.41

L=Number of items, N=Number of persons, Mean=Average person raw score
SD=Standard deviation of person raw scores, SEM=Standard error of measurement

Table 18–2. Reliability by Socioeconomic Status

Grade	Subpopulation Group	L	N	Mean	SD	Mean p-value	Reliability	SEM
4	Not Low Income	48	5048	35.31	8.73	0.71	0.90	2.81
	Low Income	48	4335	28.65	9.36	0.57	0.89	3.07
8	Not Low Income	56	5546	41.06	10.22	0.66	0.90	3.29
	Low Income	56	3600	33.44	10.89	0.54	0.90	3.45
10	Not Low Income	56	5836	39.52	10.28	0.62	0.89	3.34
	Low Income	56	3008	31.99	10.53	0.50	0.89	3.45

L=Number of items, N=Number of persons, Mean=Average person raw score
SD=Standard deviation of person raw scores, SEM=Standard error of measurement

Table 18–3. Reliability by English Proficiency Status

Grade	Subpopulation Group	L	N	Mean	SD	Mean p-value	Reliability	SEM
4	English Proficient	48	8344	33.57	9.02	0.67	0.90	2.90
	Limited English Proficient	48	1039	21.46	7.16	0.43	0.80	3.19
8	English Proficient	56	8167	39.63	10.38	0.64	0.90	3.34
	Limited English Proficient	56	979	24.99	8.21	0.40	0.82	3.51
10	English Proficient	56	7906	38.36	10.39	0.60	0.90	3.37
	Limited English Proficient	56	938	25.13	8.16	0.39	0.82	3.45

L=Number of items, N=Number of persons, Mean=Average person raw score
SD=Standard deviation of person raw scores, SEM=Standard error of measurement

Table 18–4. Reliability by Migrant Status

Grade	Subpopulation Group	L	N	Mean	SD	Mean p-value	Reliability	SEM
4	Non-Migrant	48	8796	32.51	9.58	0.65	0.91	2.93
	Migrant	48	587	28.04	9.27	0.56	0.89	3.07
8	Non-Migrant	56	8591	38.40	11.04	0.62	0.91	3.35
	Migrant	56	555	32.78	11.22	0.53	0.90	3.47
10	Non-Migrant	56	8336	37.25	10.92	0.58	0.90	3.39
	Migrant	56	508	32.23	10.59	0.50	0.90	3.43

L=Number of items, N=Number of persons, Mean=Average person raw score
SD=Standard deviation of person raw scores, SEM=Standard error of measurement

Table 18–5. Reliability by Special Education Status

Grade	Subpopulation Group	L	N	Mean	SD	Mean p-value	Reliability	SEM
4	Regular Education	48	7926	33.16	9.33	0.66	0.90	2.90
	Individualized Education Plan	48	1457	27.16	9.61	0.54	0.90	3.09
8	Regular Education	56	8103	39.31	10.57	0.63	0.90	3.34
	Individualized Education Plan	56	1043	28.36	10.56	0.46	0.89	3.49
10	Regular Education	56	7944	38.08	10.44	0.59	0.90	3.37
	Individualized Education Plan	56	900	27.11	10.57	0.42	0.89	3.44

L=Number of items, N=Number of persons, Mean=Average person raw score
SD=Standard deviation of person raw scores, SEM=Standard error of measurement

Table 18–6. Reliability by Gender

Grade	Subpopulation Group	L	N	Mean	SD	Mean p-value	Reliability	SEM
4	Female	48	4512	31.86	9.42	0.64	0.90	2.96
	Male	48	4871	32.58	9.79	0.65	0.91	2.91
8	Female	56	4437	37.47	10.68	0.60	0.90	3.39
	Male	56	4709	38.63	11.50	0.62	0.92	3.33
10	Female	56	4267	36.13	10.47	0.56	0.89	3.43
	Male	56	4576	37.73	11.36	0.59	0.91	3.34

L=Number of items, N=Number of persons, Mean=Average person raw score

SD=Standard deviation of person raw scores, SEM=Standard error of measurement