

# SSIS SEL Edition Rating Form – Student (Elementary & Secondary Levels)

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## *Summary of Key Psychometric Evidence*

### **Evidence for the Reliability of SSIS SEL Student Rating Form Scores**

**Internal Consistency estimates.** Coefficient alphas using the Student rating form subscales for males and females ages 5-12 years ranged from 0.73 to 0.95 with a median value of 0.84 and for males and females ages 13-18 years ranged from 0.83 to 0.95 with a median value of 0.89. Coefficient alphas for males and females ages 5-12 years and the SEL Composite Scale ranged from 0.94 and 0.95, respectively and for males and females ages 13 to 18 years alphas were 0.95. Coefficient alphas for the Core Skills for males and females for ages 5-12 years were 0.79 and for males and females ages 13-18 years alphas were 0.87 and 0.83, respectively.

**Test-Retest estimates.** For the Student Form, 127 individuals between the ages of 8 and 18 years rated themselves twice. Corrected reliability coefficients ranged from the mid .70s to .80s. Mean scores between administrations were similar, with most effect sizes being near .10, indicating very stable ratings across interval.

### **Evidence Based on the Internal Structure of the SSIS SEL Student Rating Form**

A confirmatory factor analyses (CFAs) was conducted using the AMOS version 22.0 subroutine in SPSS to exclusively determine how well the student SSIS RFs fit the CASEL five-factor theoretical model (i.e., *self-awareness, self-management, social awareness, relationship skills, and responsible decision making*). The five factor student model produced a RSMEA statistic of .06 (90% confidence interval = .052 - .056) demonstrating adequate model fit. The comparative fit indices (CFI) values was .83 for the student rating forms also demonstrating an adequate model fit.

The detailed results of this analysis are documented in detail in:

Gresham, F.M., Elliott, S.N., Metallo, S., Byrd, S., Erickson, M., & Altman, R.A. (2018). Psychometric fundamentals of the Social Skills Improvement System Social Learning Edition Rating Forms. *Assessment for Effective Intervention*. doi: 10.1177/1534508418808598.

### **Evidence Based on Relations of the SSIS SEL Student Rating Form to Other Measures of Social Behavior**

The SSIS SEL edition Rating Form-Student has been examined in relation to other measures of children's self-reported social behavior functioning including the original SSIS and the BASC-2. The tables below (both from the SSIS SEL Edition Manual) provide strong correlational evidence regarding the expected relationship in both magnitude and direction of the new SSIS SEL Student Rating Form scores to several established assessments of children's social behavior.

**Table 3.29** Correlations with SSIS Scales: Student Form

SSIS	SSIS SEL							SSIS	
	Self-Awareness	Self-Management	Social Awareness	Relationship Skills	Responsible Decision Making	SEL Composite scale	Core Skills	Mean	SD
<b>Social Skills</b>	.90	.85	.83	.91	.81	.99	.90	100.0	14.9
Communication	.81	.62	.66	.83	.68	.83	.76	13.7	3.1
Cooperation	.73	.79	.57	.68	.73	.81	.88	15.7	3.7
Assertion	.86	.58	.77	.72	.60	.82	.67	13.9	3.9
Responsibility	.78	.68	.60	.69	.95	.86	.80	15.1	3.5
Empathy	.69	.64	.94	.73	.59	.83	.71	13.3	3.5
Engagement	.60	.51	.59	.90	.49	.72	.59	15.2	3.7
Self-Control	.61	.95	.57	.61	.60	.78	.71	11.0	3.8
<b>Problem Behaviors</b>	-.29	-.34	-.17	-.27	-.33	-.33	-.34	100.0	14.9
Externalizing	-.36	-.42	-.25	-.30	-.41	-.40	-.43	7.0	6.2
Bullying	-.27	-.31	-.21	-.26	-.30	-.31	-.35	2.0	2.7
Hyperactivity/Inattention	-.28	-.32	-.16	-.22	-.31	-.30	-.31	6.3	4.5
Internalizing	-.14	-.18	-.03	-.17	-.15	-.15	-.15	8.3	5.9
<b>SSIS SEL</b>									
Mean	100.0	100.0	100.0	100.0	100.0	100.0	100.1		
SD	15.0	15.0	15.0	14.9	15.0	14.9	14.9		

**Table 3.32** Correlations with BASC-2 Self-Report of Personality: Student Form

BASC-2 SRP	SSIS SEL Student Form							BASC-2 SRP	
	Self-Awareness	Self-Management	Social Awareness	Relationship Skills	Responsible Decision Making	SEL Composite score	Core Skills	Mean	SD
<b>Composite</b>									
School Problems	-.33	-.41	-.33	-.37	-.37	-.43	-.49	46.3	7.8
Internalizing Problems	-.18	-.30	-.09	-.18	-.37	-.28	-.14	46.4	8.2
Inattention/Hyperactivity	-.51	-.46	-.32	-.44	-.59	-.53	-.50	47.0	8.9
Emotional Symptoms Index	-.30	-.35	-.17	-.42	-.49	-.40	-.37	46.4	8.9
Personal Adjustment	.41	.34	.31	.52	.54	.50	.44	52.4	9.8
<b>Scale</b>									
Attitude to School	-.19	-.36	-.27	-.10	-.35	-.32	-.35	45.9	8.8
Attitude to Teachers	-.40	-.28	-.31	-.47	-.31	-.42	-.42	47.6	7.9
Sensation Seeking	-.16	-.42	-.14	-.09	-.10	-.22	-.50	46.9	8.1
Atypicality	-.81	-.10	-.02	-.09	-.18	-.08	.00	47.4	8.6
Locus of Control	-.31	-.22	-.17	-.30	-.31	-.29	-.31	48.2	8.9
Social Stress	-.37	-.31	-.13	-.36	-.47	-.36	-.36	46.0	8.0
Anxiety	-.10	-.33	-.03	-.19	-.34	-.23	-.19	47.4	8.4
Depression	-.16	-.29	.05	-.35	-.39	-.21	-.36	47.1	8.5
Sense of Inadequacy	-.30	-.21	-.14	-.31	-.30	-.27	-.36	47.0	8.1
Attention Problems	-.53	-.42	-.34	-.43	-.62	-.54	-.47	47.4	9.5
Hyperactivity	-.40	-.40	-.23	-.38	-.47	-.44	-.45	47.4	7.8
Relations with Parents	.30	.38	.23	.32	.51	.41	.44	50.5	9.7
Interpersonal Relations	.37	.07	.19	.37	.31	.26	.14	52.8	8.9
Self-Esteem	.37	.17	.19	.35	.38	.30	.35	53.1	9.1
Self-Reliance	.37	.35	.30	.48	.57	.49	.44	50.8	10.8
<b>SSIS SEL Student Form</b>									
Mean	101.1	100.9	102.5	113.5	113.7	102.7	113.0		
SD	15.9	16.4	15.9	15.3	13.2	15.2	14.7		