

## SUPPLEMENTAL MATERIAL – Supplemental Appendix A

### *Descriptive Information and Tests of Sex Differences on Risk Factor Constructs Included in the Survey Instrument*

<b>Risk Construct</b>	<b># of Items</b>	<b>Cronbach alpha / Correlation</b>	<b>Overall Sample M</b>	<b>Overall Sample SD</b>	<b>F (Sex Diff)</b>	<b>p</b>	<b>Adj M (SE) Males</b>	<b>Adj M (SE) Females</b>
<i>Individual domain</i>								
Attitudes favorable to antisocial behavior e.g., How important is it to not lie to one's parents?	8	.91	10.14	3.82	59.76	< .001	10.91 (.13)	9.52 (.12)
Depressive affect e.g., How often do you think you are no good at all?	3	.58	7.94	2.01	2.11	.15	7.84 (.07)	7.98 (.06)
Low perceived dangerousness of drug use e.g., How dangerous is it, trying opium one or two times?	7	.83	8.85	2.71	15.47	< .001	9.15 (.10)	8.64 (.09)
<i>Family domain</i>								
Poor family management e.g. Your parents would know if you did not go to school.	6	.73	13.05	3.28	62.12	< .001	13.68 (.11)	12.48 (.10)
High family conflict e.g., Your family members argue over and over.	1	--	2.67	0.89	6.22	.013	2.61 (.03)	2.71 (.03)
Parental attitudes favorable to drug use e.g., How wrong do you parents think it would be for you to drink alcohol?	2	.65	2.28	0.95	25.74	< .001	2.41 (.03)	2.18 (.03)
Parental attitudes favorable to antisocial behavior e.g., How wrong do your parents think it would be for you to fight with another person your age?	2	.61	2.34	0.92	29.30	< .001	2.47 (.03)	2.23 (.03)
<i>Peer domain</i>								
Peer drug use e.g., In the last 12 months, how many friends drank alcohol?	4	.69	6.74	3.58	188.13	<.001	7.96 (.12)	5.78 (.11)
Peer antisocial behavior e.g., In the last 12 months, how many friends were punished by school officials for wrongdoing?	2	.37	2.77	1.50	33.05	<.001	3.00 (.05)	2.59 (.05)
<i>School domain</i>								
Academic failure e.g., What were your school grades during the last year?	1	--	0.20	0.40	7.42	.007	.23 (.01)	.18 (.01)
Low school commitment e.g., How interested are you in your school courses?	2	.52	2.55	1.02	27.06	<.001	2.69 (.04)	2.44 (.03)

	# of items	Cronbach alpha / Correlation	Overall Sample <i>M</i>	Overall Sample <i>SD</i>	<i>F</i>	<i>p</i>	Adj <i>M (SE)</i> Males	Adj <i>M (SE)</i> Females
<i>Community domain</i>								
Perceived availability of drugs e.g., How easy would it be to get drugs in your neighborhood?	4	.81	5.74	2.37	10.74	.001	5.52 (.09)	5.89 (.08)
Transitions and mobility e.g., How many times did you move homes between kindergarten and 9 <sup>th</sup> or 10 <sup>th</sup> grade?	2	<b>.40</b>	4.48	2.01	5.88	.015	4.35 (.07)	4.58 (.06)

*Note.* Correlations were calculated when there were 2 items to indicate a construct and are bolded. Higher scores reflect greater risk. The F statistic refers to tests of sex differences. For tests of sex differences, means were adjusted for age, parental education, family structure, and ethnicity.

*Significant Substance Use Profile Differences on Risk Factors for Males and Females*

Variables	<i>F</i>	<i>p</i>	Low Users <i>M (SD)</i>	Males	
				Normative Users <i>M (SD)</i>	Poly Drug Users <i>M (SD)</i>
Adolescent Attitude Favorable Toward Antisocial Behavior	8.91	<.001	10.34 (4.45) <sup>a</sup>	10.90 (4.19) <sup>a</sup>	12.29 (4.91) <sup>b</sup>
Depressive Affect	24.30	<.001	7.38 (2.16) <sup>a</sup>	7.97 (1.94) <sup>b</sup>	8.81 (1.67) <sup>c</sup>
Low Perceived Dangerousness of Drug Use	8.83	<.001	8.83 (3.31) <sup>a</sup>	9.04 (2.81) <sup>a</sup>	10.17 (3.31) <sup>b</sup>
Poor Family Management	19.45	<.001	12.92 (3.29) <sup>a</sup>	14.04 (3.10) <sup>b</sup>	14.75 (2.60) <sup>c</sup>
High Family Conflict	3.89	.02	2.51 (1.00) <sup>a</sup>	2.66 (.88) <sup>b</sup>	2.75 (.80) <sup>b</sup>
Parental Attitudes Favorable to Drug Use	11.26	<.001	2.29 (1.03) <sup>a</sup>	2.36 (1.02) <sup>a</sup>	2.86 (1.78) <sup>b</sup>
Parental Attitudes Favorable to Antisocial Behavior	4.72	.009	2.42 (1.07) <sup>a</sup>	2.44 (1.04) <sup>a</sup>	2.76 (1.37) <sup>b</sup>
Peer Drug Use	42.09	<.001	6.76 (3.52) <sup>a</sup>	8.32 (3.56) <sup>b</sup>	10.23 (4.58) <sup>c</sup>
Peer Antisocial Behavior	16.12	<.001	2.77 (1.45) <sup>a</sup>	2.93 (1.57) <sup>a</sup>	3.75 (2.35) <sup>b</sup>
Poor School Achievement	3.97	.02	.18 (.38) <sup>a</sup>	.27 (.44) <sup>b</sup>	.24 (.43)
Low School Commitment	5.46	.004	2.56 (1.11) <sup>a</sup>	2.71 (1.16) <sup>a</sup>	2.96 (1.25) <sup>b</sup>
Perceived Availability of Drugs in Community	9.88	<.001	5.16 (2.19) <sup>a</sup>	5.62 (2.25) <sup>b</sup>	6.20 (2.59) <sup>c</sup>
Transitions and Mobility	4.70	.009	4.15 (1.92) <sup>a</sup>	4.48 (1.99) <sup>a</sup>	4.73 (2.03) <sup>b</sup>

	<i>F</i>	<i>p</i>	Low Users <i>M (SD)</i>	Females Glue - OTC Users <i>M (SD)</i>	High Drug Users <i>M (SD)</i>
Adolescent Attitude Favorable Toward Antisocial Behavior	12.00	<.001	9.39 (2.81) <sup>a</sup>	9.61 (3.52) <sup>a</sup>	11.31 (4.11) <sup>b</sup>
Depressive Affect	12.28	<.001	7.84 (1.98) <sup>a</sup>	8.34 (1.95) <sup>b</sup>	8.93 (1.90) <sup>c</sup>
Low Perceived Dangerousness of Drug Use	9.90	<.001	8.49 (2.19) <sup>a</sup>	9.05 (2.43) <sup>b</sup>	9.61 (3.43) <sup>b</sup>
Poor Family Management	15.17	<.001	12.37 (3.21) <sup>a</sup>	12.33 (3.26) <sup>a</sup>	14.58 (3.03) <sup>b</sup>
High Family Conflict	5.01	.007	2.70 (0.85) <sup>a</sup>	2.66 (0.92) <sup>a</sup>	3.03 (0.73) <sup>b</sup>
Peer Drug Use	41.31	<.001	5.49 (2.76) <sup>a</sup>	5.71 (2.58) <sup>a</sup>	8.76 (4.06) <sup>b</sup>
Peer Antisocial Behavior	11.90	<.001	2.52 (1.20) <sup>a</sup>	2.71 (1.30) <sup>a</sup>	3.26 (1.72) <sup>b</sup>
Low School Commitment	5.96	.013	2.43 (0.86) <sup>a</sup>	2.30 (0.79) <sup>a</sup>	2.74 (1.21) <sup>b</sup>
Transitions and Mobility	4.06	.02	4.52 (2.06) <sup>a</sup>	4.50 (1.78) <sup>a</sup>	5.23 (2.14) <sup>b</sup>

*Note.* Groups with different superscripts are significantly different.