

Table 11. School-level correlations between substance use/risk factors/protetive factors and math achievement in 2003.

Variable	Grade 7 Math with Grade 8 SU/RPFs ^a		Grade 10 Math with Grade 10 SU/RPFs ^b	
	Unconditional	Conditional ^d	Unconditional	Conditional ^d
Substance Use				
30-day cigarette use	-.278***	-.102	-.341***	-.334***
30-day smokeless tobacco use	-.120	-.091	-.114	-.212**
30-day alcohol use	-.046	.012	-.070	-.141
2-week binge drinking	-.144*	-.040	-.116	-.139
30-day marijuana use	-.357***	-.084	-.290***	-.280***
Risk Factors				
Low neighborhood attachment	-.412***	-.224***	-.356***	-.251***
High community disorganization	-.407***	-.123	-.336***	-.215**
Transition and mobility	-.400***	-.143*	-.395***	-.239***
Laws and norms favorable to drugs	-.341***	-.182**	-.258***	-.276***
Perceived availability of drugs	-.283***	-.145*	-.202**	-.206**
Perceived availability of handguns	-.167**	-.227***	-.138*	-.244***
Poor family management	-.374***	-.133	-.362***	-.417***
High family conflict	-.126	-.061	-.305***	-.307***
Family history of antisocial behavior	-.393***	-.099	-.424***	-.292**
Parental attitudes favor drug use	-.072	.005	-.188*	-.220*
Parental attitudes favor antisocial behavior	-.098	.055	-.191*	-.215*
Academic failure	-.249***	-.024	-.358***	-.312***
Low school commitment	-.048	-.030	-.162*	-.278***
Rebelliousness	-.260***	-.139*	-.245***	-.265***
Early initiation of drug use	-.335***	-.112	-.409***	-.355***
Early initiation of antisocial behavior	-.493***	-.198**	-.389***	-.217**
Peer-individual attitudes favorable to antisocial behavior	-.341***	-.176**	-.163*	-.180*
Peer-individual attitudes favorable to drug use	-.311***	-.140*	-.199**	-.232**
Peer-individual intention to use drugs	-.120	-.044	-.202**	-.245***
Peer-individual perceived risk of drug use	-.479***	-.147*	-.343***	-.321***
Antisocial peers	-.511***	-.153*	-.361***	-.217**
Peer's drug use	-.352***	-.134*	-.324***	-.310***
Sensation seeking	-.029	-.137*	-.017	-.143
Peer-individual rewards for antisocial involvement	-.251***	-.131	-.063	-.136
Gang involvement	-.389***	-.100	-.356***	-.193**
Protective Factors				
Community opportunities for prosocial involvement	.486***	.163*	.409***	.298***
Community rewards for prosocial involvement	.344***	.162*	.326***	.339***
Family attachment	.356***	.136	.361***	.365***
Family opportunities for prosocial involvement	.176*	-.020	.370***	.415***
Family rewards for prosocial involvement	.235**	.018	.307***	.339***

School opportunities for prosocial involvement	.278***	.105	.259***	.265***
School rewards for prosocial involvement	.262***	.150*	.232***	.262***
Social skills	.334***	.136*	.282***	.283***
Belief in the moral order	.361***	.152*	.243***	.269***

Note. Number of schools equal 246 for unconditional 7th-grade to 8th-grade correlations, 219 for conditional 7th-grade to 8th-grade correlations, 212 for unconditional 10th-grade to 10th-grade correlations, and 177 for conditional 10th-grade to 10th-grade correlations, except where otherwise indicated. aIndicates correlations between Grade 8 substance use/risk factor/protective factor data and Grade 7 math achievement scores. bIndicates correlations between Grade 10 substance use/risk factor/protective factor data and Grade 10 math achievement scores. cNumber of schools equal 150 for unconditional 7th-grade to 8th-grade correlations, 134 for conditional 7th-grade to 8th-grade correlations, 128 for unconditional 10th-grade to 10th-grade correlations, and 103 for conditional 10th-grade to 10th-grade correlations. dPartial correlation controlling for percentage eligible for free or reduced price lunch, percentage nonwhite, and percentage male. $\dot{p} < .05$. ** $p < .01$. *** $p < .001$. na = not available.