

## Supplementary File D. Engaging in SAB and risk factors

Risk factor categories	Variables	Evidence of association (and references)	Evidence of no association
Demographics	Age	<ul style="list-style-type: none"> <li>• Being older [29 44]*</li> </ul>	[3 36]
	Gender	<ul style="list-style-type: none"> <li>• Being male [29] (high school students only)*</li> </ul>	[3 28 36]
	Ethnicity	<ul style="list-style-type: none"> <li>• American Indian/Alaska Native (vs. all others)[36]*</li> <li>• Being of African American or Pacific Islander ethnicity (vs. white ethnicity) [28]*</li> </ul>	
Living situation	Home situation	<ul style="list-style-type: none"> <li>• Not living with two parents [29]*</li> </ul>	[44]
	Geographical location	<ul style="list-style-type: none"> <li>• Living in rural location [36]*</li> </ul>	[28]
Education	School achievement	<ul style="list-style-type: none"> <li>• Having repeated a school year [44]*</li> <li>• Lower grades [28 29]*</li> </ul>	
Health risk factors	Substance Use	<ul style="list-style-type: none"> <li>• Substance use unspecified [3 36]*</li> </ul>	
	<i>Alcohol use</i>	<ul style="list-style-type: none"> <li>• Alcohol use [44] [28]*</li> <li>• Binge drinking [29]*</li> </ul>	
	<i>Tobacco use</i>	<ul style="list-style-type: none"> <li>• Tobacco use [44] [29] [28]*</li> </ul>	
	<i>Cannabis and drug use</i>	<ul style="list-style-type: none"> <li>• Cannabis use [44] [29] [28]*</li> <li>• Other (illegal) drug use [44]*</li> </ul>	
	<i>Inhalant/solvent use</i>	<ul style="list-style-type: none"> <li>• Ever used medications without a prescription to get high [29]</li> <li>• Ever used inhalants to get high [29] (high school only)*</li> </ul>	
	Mental health	<ul style="list-style-type: none"> <li>• General mental health [36]*</li> <li>• Higher levels of depression [44]</li> <li>• Higher Disinhibition and “general feeling” scores [44]</li> <li>• Engagement in suicidal behaviours [3]*</li> <li>• Attempted suicide in past year [29]*</li> <li>• Contemplated suicide [28]*</li> <li>• Felt sad/hopeless for over two weeks in past year [29] [28]*</li> <li>• Fair/poor mental health status/ unmet mental health need [28]*</li> </ul>	
	Diet	<ul style="list-style-type: none"> <li>• Disordered eating [3]*</li> <li>• Poor nutrition (food insecurity, low fruit/vegetable and breakfast consumption [28]*</li> </ul>	
	Sexual health behaviours	<ul style="list-style-type: none"> <li>• Having ever been forced to have sexual intercourse [29]*</li> <li>• Higher number of sexual partners [29]* (high school only)</li> <li>• Ever had sexual intercourse [28]*</li> </ul>	
	Physical Activity		[28]
	Risk behaviours	<ul style="list-style-type: none"> <li>• Engagement in risky sports (e.g. roller-blading, boxing, and skateboarding) [44]*</li> <li>• Engagement in risky motor vehicle use (e.g. speeding, riding without a helmet,...) [44]*</li> </ul>	
	Gambling	<ul style="list-style-type: none"> <li>• Ever gambled for money, gambling in past 30 days [28]*</li> </ul>	
	Physical health (accidents/hospital admissions)		[28]
	Other behaviours	<ul style="list-style-type: none"> <li>• Engagement in other unhealthy behaviours [36]</li> </ul>	
Exposure factors	Exposure to violence/crime	<ul style="list-style-type: none"> <li>• Experience of violence by others in past year [29]*</li> <li>• Been threatened with a weapon [28]*</li> <li>• Gun use in past 30 days [28]*</li> <li>• Skipped school because felt unsafe [28]*</li> </ul>	
Personality traits		<ul style="list-style-type: none"> <li>• Borderline, Impulsivity and Antisocial personality traits [44]</li> <li>• Raised hyperactive / impulsive symptomatology [46]</li> <li>• Strong “novelty seeking” [46]*</li> <li>• Use of active coping strategies (seeking advice) in resolving conflict [46]</li> </ul>	

Notes: Only cross-sectional studies that report on the variables are displayed in the table.

\*Statistical significant association between risk factor and SAB reported by study author(s) at  $p \leq 0.5$  level.