## Substance Use: Community Coalitions to Prevent Substance Use among Youth–Findings from a Community Guide Systematic Review

## Summary Evidence Table

Abbreviations Used in This Document:

- Intervention components
  - 0
- Measurement terms
  - CI: Confidence interval
  - OR: Odds Ratio
  - IRR: Incidence rate ratio
  - $\circ$   $\;$  RRR: Relative risk reduction or relative risk ratio  $\;$
  - $\circ$   $\;$  ARR: Adjusted risk ratio  $\;$
- Study design and Risk of Bias
  - RCT: randomized controlled trial
- Other terms:
  - NA: not applicable
  - $\circ$   $\;$  NR: not reported
  - $\circ$   $\,$  NS: not significant
  - $\circ \quad \text{SES: socioeconomic status} \\$
  - Int: Intervention
  - Cont: Control

Notes:

- Suitability of design includes three categories: greatest, moderate, or least suitable design. Read more
- Race/ethnicity of the study population: The Community Guide only summarizes race/ethnicity for studies conducted in the United States.
- For population characteristics, if a study reported intervention and control separately, intervention population characteristics were reported.

- Other terms (cont):
  - pct pts: percentage points
  - yrs: years
  - $\circ$  m: months
  - o hr: hours
  - o min: minutes

Study	Population Characteristics	Intervention Characteristics	Results
Author (Year):	Community	Brief description of	Outcome: Alcohol use-binge drinking
Anderson-Carpenter	organization:	intervention and content:	Measure: Prevalence of student in grades 6,8,10,12 self-reported binge
2016	Coalition	Communities were funded to implement Strategic	drinking (five or more alcoholic drinks in a row) one or more times within a two-week period.
Location: Kansas (8	Urbanicity: Rural and	Prevention Framework.	Absolute change: -2.0 percentage points
communities), USA	urban	Community coalitions selected	Relative change: -15.7%
		evidence-based prevention	Narrative results: Both groups reported a reduction in binge drinking, with
Period for Study: 6	Number of	strategies to prevent	the decrease slightly larger in intervention communities. No significant
years (72 months)	communities or	underage drinking	differences between districts in the intervention versus comparison groups,
	school districts:		F(1,27) = 0.14, p = .713
Study Design:	25 school districts (11	School-based interventions	
Other design with concurrent	intervention and 14 control)	included: -School policies on alcohol and	
comparison	control)	defined penalties	
companson	Inclusion/	-Collaborative activities	
CG Suitability:	Exclusion		
Greatest	intervention school	Intervention/program	
	districts were required	name:	
Quality of	to have Kansas CTC	Strategic Prevention	
Execution (# of	student survey data	Framework (Kansas)	
limitations):	with participation rates		
Fair (4 limitations)		Focus of intervention content or activities:	
		Alcohol use prevention	
	and throughout the		
	duration of the study.	Interventions selected for	
	School districts were	implementation:	
	excluded if less than	School, community, retailer,	
	50% of students in	enforcement, policy	
	grades 6, 8, 10, and 12	<b>.</b>	
	participated in the	Intervention duration or intervention exposure	
	KCTC Survey	period: 36 months (24-47	
	Sample size: Entire	months)	
	accessible population		
	52,507participants	Comparison group: Usual	
		care. Comparison	
		communities were not funded	

Study	Population Characteristics	Intervention Characteristics	Results
	Study population: Participants Age: NR Grade level: 5 <sup>th</sup> -12 <sup>th</sup> Sex: NR Race/ethnicity: White 84%, Hispanic 6% Education: NR Income: NR Community characteristics: School district student participation in free/reduced lunch Intervention districts: 37% Comparison districts: 35%	to implement coalitions and SPF intervention process.	
Author (Year): Chilenski 2019	Community organization: Coalition	Brief description of intervention and content: Communities that Care model	<b>Outcome: Alcohol use</b> Measure: Students in grades 6,8,10, 12 self-reporting alcohol use in the past 30 day
Location: Pennsylvania, USA	Urbanicity: Rural and suburban	implemented from 1995 and 2002 with the majority of coalitions continued beyond 3	Absolute change: -1.0 percentage points Relative change: 5.0% Narrative results: Adjusted OR=0.95 (95% CI 0.91, 0.99)
Period for Study:		years.	
11 years (132 months)	Number of communities or school districts: 388	The coalition matches existing evidence-based programs	<b>Outcome: Alcohol use-binge drinking</b> Measure: Students in grades 6,8,10, 12 self-reporting binge drinking in the past 2 weeks
Study Design: Other design with	school districts	(EBPs) to their identified priorities and demographics.	Absolute change: -0.39 percentage points Relative change: -6.0%
concurrent comparison	Inclusion/ Exclusion: Included participating students	Interventions varied by community but CTC guidance	Narrative results: Adjusted OR=0.94 (95%CI 0.89, 0.99) Outcome: Alcohol use initiation
<b>CG Suitability:</b> Greatest	in grades 6, 8, 10, and 12th grades in participating	favored universal interventions. Some CTC communities implemented	Measure: Students in grades 6,8,10, 12 self-reporting alcohol use in lifetime Absolute change: -1.96 percentage points Relative change: -5.0%
Quality of	school/school districts.	programs targeting children and families (not	Narrative results: Adjusted OR=0.95 (95%CI 0.89, 1.01)
<b>Execution</b> (# of limitations): Fair (4 limitations)	Sample size: 470,795	adolescents).	Outcome: Tobacco use

Study Population Characteristics	Intervention Characteristics	Results
(Number of student- reported observations across 6 survey waves) Study population: Participants Age: NR Grade level: 6th, 8th, 10th, 12th Sex: female 50% male 50% Race/ethnicity: NR Education: NR Income: NR Community characteristics: Pennsylvania: Median household income is \$53,599, with a poverty rate of 12.9%	Intervention/program name: Communities that Care (CTC) Pennsylvania Focus of intervention content or activities: General substance use prevention Interventions selected for implementation: School, family, community Intervention duration: Variable Comparison group: Comparison school districts did not have Communities that Care programs, but may have implemented other interventions	Measure: Students in grades 6,8,10, 12 self-reporting cigarette use in the past 30 days Absolute change: -0.56 Relative change: -11.0% Narrative results: Adjusted OR=0.89 (95%CI 0.82, 0.95) <b>Outcome: Tobacco use initiation</b> Measure: Students in grades 6,8,10, 12 self-reporting cigarette use in lifetime Absolute change: -1.28 percentage points Relative change: -1.0% Narrative results: Adjusted Odds ratio=0.89 (95%CI 0.83, 0.95) <b>Outcome: Cannabis use</b> Measure: Students in grades 6,8,10, 12 self-reporting marijuana use in the past 30 days Absolute change: -0.75 percentage points Relative change: -15.0% Narrative results: Adjusted Odds ratio=0.85 (95%CI 0.79, 0.91) <b>Outcome: Cannabis use</b> ilfetime Absolute change: -15.0% Narrative results: n grades 6,8,10, 12 self-reporting marijuana use in lifetime Absolute change: -1.54 percentage points Relative change: -1.54 percentage points Relative change: -1.54 percentage points Relative change: -1.50% Narrative results: Adjusted Odds Ratio=0.85 (95%CI 0.80, 0.90) <b>Outcome: Substance use (combined)</b> Measure: Students in grades 6,8,10, 12 self-reporting use of any drug in past 30 days Absolute change: -1.37 percentage points Relative change: -5.23 percentage points Rela

Study	Population Characteristics	Intervention Characteristics	Results
			Outcome: Delinquency Measure: Students in grades 6,8,10, 12 self-reporting arrested in the past 12 months Absolute change: 0.24 percentage points
			Relative change: -5.7% Narrative results: Adjusted OR= 0.89 (95%CI 0.83, 0.96)
			Measure: Students in grades 6,8,10, 12 self-reporting suspended from school in the past 12 months Absolute change: -0.61 percentage points Relative change: -7.2% Narrative results: Adjusted Odds Ratio=0.91 (95%CI 0.84, 0.98)
			Outcome: Mental Health Measure: Students in grades 6,8,10, 12 self-reporting depression symptoms (from a set of 4 questions) in the past 12 months Absolute change: -0.022 (scale points) Relative change: NR Narrative results: Students in CTC districts reported significantly fewer depression symptoms than students in non-CTC districts p-value=0.046
Author (Year):	Community	Brief description of	Outcome: Alcohol Use
Eddy 2012	organization: Partnership	<b>intervention and content:</b> Alliance for Substance Abuse	Measure: Percent of middle and high school students self-reporting monthly (or more) alcohol use (in the past year)
Location:		Prevention (ASAP) and	Absolute change: - 8.6 percentage points
	Urbanicity: Urban,	followed SPF tool	Relative change: -37.7%
	suburban and rural	-Assessment of community	Narrative results: Substantial and significant reduction in student self-
Period for Study: 8 years (96 months)	Number of	needs -Selected evidence-based	reported monthly alcohol use -Subset results: Middle school students: -4.3 percentage points (-55.8%)
	communities or	interventions	p <= 0.05
Study Design:	school districts: 1		-Subset results: High school students: -11.4 percentage points (-29.8%)
	School (and	County Health Department,	p<=0.05
after	community)	school districts, law	
	Trolucion (	enforcement, physicians, and	Outcome: Alcohol Use-binge drinking
	Inclusion/ Exclusion: Middle and	youth organizations	Measure: Percent of middle and high school students self-reporting ever drinking 5 or more alcohol drinks in one occasion
		collaborated on this initiative	Absolute change: - 5.8 percentage points
	participating schools		Relative change: -25.7%
	implementing the All-	School (and community)-	Narrative results: Substantial and significant reduction in student self-
limitations): Fair (4	Stars school-based	based intervention: All Stars	reported binge drinking (ever)
	program but excluded if in Life skills program	program curriculum and Life Skills curriculum	-Subset results: Middle school students: -2.2 percentage points (-35.4%) p<=0.05

Study	Population Characteristics	Intervention Characteristics	Results
	Sample size: 3,419 survey Participants Study population: Participants Age: 12-17 years as per survey Grade level: 9th-12th Sex: NR Race/ethnicity: Education: NR Income: NR Community characteristics: NR	Parent/Family interventions: Guiding Good Choices and Staying Connected with Your Teen for families Community interventions: Communities Mobilizing for Change on Alcohol, multi- faceted environmental program to decrease youth access to alcohol by raising community awareness Intervention/program name: Strategic Prevention Framework (SPF) Focus of intervention content or activities: Alcohol use prevention Interventions selected for Implementation: School, family, community, retailer, enforcement, policy Intervention duration: 60 months (48-72 months) (A few interventions 96 months) Comparison group: No comparison group	-Subset results: High school students: -11.6 percentage points (-26.9%) p<=0.05 <b>Outcome: Alcohol use initiation</b> Measure: Student self-reported age for first use of any alcohol (average) Absolute change: + 0.8 years Relative change: NA Narrative results: Students were an average of 0.8 years older at first use of alcohol p=0.05 level
Author (Year): Flewelling 2005 Location: Vermont, USA	Community organization: Coalition Urbanicity: Rural	Brief description of intervention and content: Existing community coalitions were utilized and did planning and needs assessments, developing goals and objectives, and selecting,	Outcome: Substance Use-Cannabis Measure: Percentage who used marijuana past 30 days Absolute change: -2.7 percentage points Relative change: -9.25% Narrative change: Self-reported marijuana use in the past 30 days decreased significantly in intervention communities compared to control communities p<0.05

Study	Population Characteristics	Intervention Characteristics	Results
Period for Study:	Number of	implementing, and evaluating	
3 years (36 months)	communities or	research-based programs and	Outcome: Substance use-alcohol
	school districts: 21	strategies.	Measure: Percentage who used alcohol past 30 days
Study Design:	intervention		Absolute change: -0.9 percentage points
Other design with		Coalitions were required to	Relative change: -2.1%
concurrent	wide study	implement a core set of	Narrative results: Self-reported past 30 alcohol use decreased in
comparison		prevention programs and	intervention communities but the difference was not statistically significant.
	Inclusion/	activities selected from a	
CG Suitability:	Exclusion:	menu of programs and	Outcome: Substance use-binge drinking alcohol
Greatest	Participating students	strategies that had been	Measure: Percentage who binge drank past 30 days
	in schools in Vermont	identified by CSAP as effective	Absolute change: -0.5 percentage points
Quality of	participating in the	or promising on the basis of	Relative change: -1.9%
Execution (# of	YRBS survey in all 3	the research literature	Narrative results: Self-reported binge drinking in the past 30 days decreased
limitations) Fair (2	survey years (1997,	(selected and implemented 2	in intervention communities, but the difference was not statistically
limitations	1999, 2001)	to 4 such research-based	significant
	<b>6</b>	programs or activities).	
	Sample size: 24,684		Outcome: Substance use-tobacco
	survey participants	Full-time coalition	Measure: Percentage who smoked cigarettes past 30 days
		coordinators were hired and	Absolute change: -2.4 percentage points
	Study population:	trained.	Relative change: -9.7%
	Participants	Tatemantica (ano avera	Narrative results: Self-reported cigarette smoking in the past 30 days
	Age: NR Grade level: 8th-12th	Intervention/program name: New Directions	decreased significantly in intervention students compared to control $p<0.05$
	Sex: female 50.1%	name: New Directions	Outcome: Substance use initiation: cannabis
	male 49.9%	Focus of intervention	Measure: Percentage who ever used marijuana
	Race/ethnicity: White		Absolute change: -1.3 percentage points
	90.2%, other 9.8%	General substance use	Relative change: -2.9
	Education: Mother's	prevention	Narrative results: Self-reported ever use of cannabis decreased among
	education: 63.1% the	prevention	intervention students compared to controls, but differences were NS p<0.10
		Interventions selected for	
	beyond a high school	Implementation: School,	Outcome: Substance use initiation: alcohol
	education	family, community	Measure: Percentage who ever used alcohol
	Income: NR		Absolute change: -0.7 percentage points
	Community	Intervention duration:	Relative change: -1.0%
	characteristics: NR	24 months (24-47 months)	Narrative results: Self-reported ever use of alcohol decreased among
			intervention students, but differences were NS
		Comparison group: Usual	
		care communities (school	Outcome: Substance use initiation: tobacco
		districts)	Measure: Percentage who ever smoked cigarettes
		·····	Absolute change: -1.5 percentage points
			Relative change: -3.2%

Study	Population Characteristics	Intervention Characteristics	Results
			Narrative results: Self-reported ever use of cigarettes decreased among intervention students, but differences were NS, $p<0.10$
			Outcome: Substance use initiation: inhalants Measure: Percentage who ever used inhalants Absolute change: -1.1 percentage points Relative change: -3.9% Narrative results: Self-reported ever use of inhalants among intervention students decreased, but differences were NS
			Outcome: Substance use initiation: Other drugs (cocaine, steroids, heroin, methamphetamines, and hallucinogens). Measure: Percentage who ever used other drugs (cocaine, steroids, heroin, methamphetamines, and hallucinogens). Absolute change: -0.8 percentage points Relative change: -7.3% Narrative results: Self-reported ever use of other drugs among intervention students decreased, but differences were NS
Author (Year): Hallgren 2013	Community organization	Brief description of intervention and content:	<b>Outcome: Alcohol use</b> Measure: Self-reported alcohol consumption by year 11 male students
Location: Sweden	-	coordinator; a local steering	Absolute change: -16 centiliters/year Relative change: -2.3% Narrative results: No significant group by time effect F(3,2207)=0.988
Period for Study: 5 years (60 months)	rural	committee, including senior elected officials; and an	p=0.39
<b>Study Design:</b> Controlled Before- After	Number of communities or school districts: 12	alcohol and drugs prevention policy adopted by the municipal council.	<b>Outcome: Alcohol use</b> Measure: Self-reported alcohol consumption by year 11 female students Absolute change: -204 centiliters/year Relative change: -38.5%
CG Suitability: Greatest	Inclusion/ Exclusion: Surveyed youth: ages 15-19 in	Each trial community was provided with a menu of evidence-based prevention	Narrative results: No significant group by time effect $F(3, 2978)=0.30$ p=0.82
	study communities	methods and offered training	Outcome: Alcohol binge drinking
Quality of Execution (# of limitations) Fair (4	Sample size: 8,092 survey participants	and technical support for the implementation of these.	Measure: Proportion of youth self-reporting binge drinking (year 11 male students) Absolute change: -3 percentage points
limitations)	Study population: Participants Age: range ages 15-19 Grade level: NR	Intervention/program name: Sweden 6- communities program	Relative change: -6.8% Narrative results: Binge drinking among intervention community year 11 male students decreased (p=0.005)

Study	Population Characteristics	Intervention Characteristics	Results
	Sex: female 57.3% male 42.7% Race/ethnicity: NR Education: NR Income: NR Community characteristics: NR	Focus of intervention content or activities: General substance use prevention Interventions selected for Implementation: School, family retailer, enforcement Intervention duration: 60 months (48-72 months) Comparison group: The six control communities were also engaged in alcohol prevention during the project period but with considerably less support and fewer programs overall based on national program funding	Outcome: Alcohol binge drinking Measure: Proportion of youth self-reporting binge drinking (year 11 female students) Absolute change: 0 percentage points Relative change: 0% Narrative results: Binge drinking went down in both groups NS p=0.079 Outcome: Morbidity-alcohol related hospitalizations Measure: Number of adolescents (per 10,000) aged 15–19 years hospitalized with a primary or secondary alcohol-related diagnosis Absolute change: +12.3 adolescent alcohol-related hospitalizations per 10,000 adolescents Relative change: +93.2% Narrative results: Alcohol related hospitalizations increased among adolescents in intervention communities' statistical significance NR
Author (Year): Hawkins 2014 Location: 7 states	Community organization: Coalition	Brief description of intervention and content: CTC provided organizational support, training and technical	Kuklinski 2021 outcomes <b>Outcome: Substance use initiation-alcohol</b> Measure: Survey participants (grade 5 to age 23) self-reporting sustained
(CO, II, KS, ME, OR, UT, WA), USA	<b>Urbanicity:</b> Rural (12 communities)	assistance, and a community plan approval and funding process.	abstinence from alcohol use (positive sign=favorable) Absolute change: +3.5 percentage points Relative change: +3.7%
<b>Period for Study:</b> 12 years (144 months)	Number of communities or school districts: 24	CTC system organizes community coalitions (or identified an existing one).	Narrative results: Sustained abstinence at age 23 was higher among survey participants in intervention communities than control communities. t-value =3.34; p=0.01
Study Design: Group Randomized Controlled Trial	Inclusion/ Exclusion: 5th grade students in study communities in 2003-	Coalitions followed a series of assessment and planning steps. This included selecting interventions from a CTC	<b>Outcome: Substance use initiation-cigarettes</b> Measure: Survey participants (grade 5 to age 23) self-reporting sustained abstinence from cigarette use (positive sign=favorable) Absolute change: +4.1 percentage points
CG Suitability: Greatest Quality of Execution (# of	2004 who consented to participation in annual school-based surveys.	identified set of evidence- based programs to implement, drafting an implementation plan, and receiving CTC approval for funding.	Relative change: +5.7% Narrative results: Sustained abstinence from cigarettes was higher among intervention community survey participants, but difference was not statistically significant t-value 1.67; p=0.13

Study	Population Characteristics	Intervention Characteristics	Results
limitations) Good (1 limitation)	Sample size: 4,068 survey participants Study population: Participants Age: NR Grade level: 5th grade with follow-up in 12th grade, age 21, and age 23 Sex: female 50% male 50% Race/ethnicity: Black	Coalitions were asked to prioritize evidence-based interventions for youth aged 10-14 years . Each year, community coalitions implemented 1 to 5 evidence-based programs. School-based programs: (All- Stars, Life Skills Training, Lion's Quest Skills for Adolescence, Project Alert, Olweus Bullying Prevention Program, Program Development Evaluation Training). Family-based programs: (Strengthening Families 10- 14, Guiding Good Choices, Parents Who Care, Family Matters, Parenting Wisely). Community-based youth- focused programs: (Participate and Learn Skills, Big Brothers Big Sisters, Stay Smart, academic tutoring). Intervention/program name: Communities that Care (CTC) Focus of intervention content or activities: General substance use prevention	Outcome: Substance use initiation-cannabis Measure: Survey participants (grade 5 to age 23) self-reporting sustained abstinence from marijuana use (positive sign=favorable) Absolute change: +3.7 percentage points Relative change: +5.2% Narrative results: Sustained abstinence from marijuana was higher among intervention community survey participants, with the difference approaching statistically significance. t-value=2.02; p=0.07 Outcome: Substance use initiation illicit drugs (Note: list includes prescription drug misuse) Measure: Survey participants (grade 5 to age 23) self-reporting sustained abstinence from illicit drug use (one or more of the following: cocaine, LSD, stimulants, opioids, other prescription drugs, heroin, MDMA, inhalants). (positive sign=favorable) Absolute change: +6.1 percentage points Relative change: +6.1 percentage points Relative change: +9.5% Narrative results: Sustained abstinence from use of illicit drugs was significantly higher among intervention community survey participants than controls. t-value 3.22; p=0.01 Outcome: Delinquency (lifetime at age 23 never engaged) Measure: Survey participants (grade 5 to age 23) self-reporting sustained abstinence from one or more antisocial behaviors (one or more of the following: stealing, damaging property, shoplifting, attacking someone with intent to harm, carrying a handgun [other than while hunting or as part of their job], being arrested, and beating up someone so badly that they probably needed medical attention). Absolute change: NR Narrative results: Self-reported never engaged in antisocial behaviors was higher among intervention community survey participants than controls with the difference approaching statistical significance); t-value 2.27; p=0.05 Outcome: Mental health-depression (lifetime at age 23) Measure: Survey participants (grade 5 to age 23) self-reporting no symptoms of depression in the past 2 weeks on all surveys (PHQ-9 score for major depressive disorder) Absolute change: NR

oulation Interventio acteristics Characterist	
School, family, comm Intervention duration 36 months (24-47 monospheric) coalitions, intervention resources, training or technical assistance. Communities participal school-based surveys received survey data of years.	depression t-value=-0.26; p=0.80on: onths)Outcome: Mental health-anxiety (lifetime at age 23) Measure: Survey participants (grade 5 to age 23) self-reporting no symptoms of generalized anxiety disorder in the past 2 weeks on all surveys (GAD-7 score of less than 10) Absolute change: -0.2 percentage points Relative change: NR Narrative results: No meaningful difference at age 23 t-value=-0.16; p=0.88 and

Study	Population Characteristics	Intervention Characteristics	Results
			Measure: Survey participants (age 21) self-reporting prevalence of past year use of cigarettes Absolute change: -2.4 percentage points Relative change: -6.0% Narrative results: Difference was favorable, but not statistically significant t-
			value= -0.86; ARR=0.94 (95%CI 0.81, 1.10) <b>Outcome: Substance use-smokeless tobacco</b> Measure: Survey participants (age 21) self-reporting prevalence of past year use of smokeless tobacco Absolute change: -2.7 percentage points Balative change: NB
			Relative change: NR Narrative results: Difference was favorable, but not statistically significant t- value= -1.43; ARR=0.87 (95%CI 0.69, 1.09)
			Outcome: Substance use-e-cigarette use Measure: Survey participants (age 21) self-reporting prevalence of past year use of e-Cigarettes Absolute change: -2.4 percentage points Relative change: NR Narrative results: Difference was favorable, but not statistically significant t- value= -0.97; ARR=0.93 (95%CI 0.77, 1.11)
			Outcome: Substance use-cannabis Measure: Survey participants (age 21) self-reporting past year use of marijuana Absolute change: -0.4 percentage points Relative change: -1.0% Narrative results: No effect; t-value=-0.16; ARR=0.99 (95%CI 0.84, 1.16)
			Outcome: Substance use-prescription drug misuse Measure: Survey participants (age 21) self-reporting past year use non- medical prescription drugs Absolute change: +0.8 percentage points Relative change: NR Narrative results: No effect; t-value=0.72; ARR=1.08 (95%CI 0.84, 1.40)
			<b>Outcome: Substance use -Illicit drugs</b> Measure: Survey participants (age 21) self-reporting past year use of each of the following (cocaine, LSD, stimulants, opioids, heroin, MDMA, inhalants).

Study	Population Characteristics	Intervention Characteristics	Results
			Absolute change: NR Relative change: NR Narrative results: The prevalence of past year substance use did not differ significantly between CTC and control communities. Differences in past year use of each of these drugs (cocaine, LSD, stimulants, opioids, heroin, MDMA, inhalants) were not statistically significant NS
			Outcome: Violence (Note: subset of 3 items from antisocial behavior list) Measure: Survey participants (age 21) self-reporting lifetime engaging in one or more violent behaviors (attacking someone with intent to harm, carrying a handgun, and beating up someone) Absolute change: -4.7 percentage points Relative change: Reported as -11% Narrative results: Self-reported engaging in any of three specific behaviors was significantly lower among intervention community participants than control participants at age 21. t-value=-2.27 Adjusted risk ratio 0.89 (95%CI 0.79, 0.99)
			Note: Oesterle 2018 includes two combined measures examined for both initiation (sustained abstinence) and past year use (age 21).
			Outcome: Substance use initiation-any substance Measure: Survey participants (Grade 5 to age 21) self-reporting sustained abstinence from any drug use (positive=favorable) Absolute change: +2.0 percentage points Relative change: +2.1% Narrative results: Intervention participants at age 21 reported higher rates of sustained abstinence from all substances than control community participants, though difference was not statistically significant t-value=1.55 ARR=1.33 (95%CI 0.89, 2.01)
			Outcome: Substance use-any substance Measure: Survey participants (age 21) self-reporting use of any substances in the past year (negative=favorable) Absolute change: -2.3 percentage points Relative change: -3.0% Narrative results: Intervention community survey participants reported lower prevalence of use of any substance in the past year, but difference was not statistically significant ; t-value=-0.58 ARR=0.97 (95%CI 0.87, 1.09)

Study	Population Characteristics	Intervention Characteristics	Results
Author (Year):	Community	Brief description of	Outcome: Tobacco use
Jonkman 2015	organization:	intervention and content:	Measure: Adolescent self-reported smoking in the past month
	Coalition	Organization: Community	Absolute change: +3 percentage points
Location:		coalition (community board)	Relative change: +11.5%
Netherlands	Urbanicity: Urban	with members primarily professionals from public	Narrative results: Self-reported past month smoking was the same among intervention and comparison adolescents after 4 years NS post x condition
Period for Study:	Number of	health, municipal offices and	coefficient= -0.817 (SE 19.382)
4 years (48 months)	communities or	public housing.	
	school districts: 10	(Note: Participation from	Outcome: Initiation of tobacco use
Study Design:		students, business leaders,	Measure: Adolescent self-reported smoking lifetime
Controlled Before-	Inclusion/		Absolute change: +4 percentage points
After	Exclusion: Students	Dutch CTC Boards)	Relative change: +10%
	ages 12, 13, of 14 in		Narrative results: Self-reported lifetime smoking was the same in
CG Suitability:	2008 in study	Coalition conducted	intervention and comparison adolescents after 4 years Survival analysis
Greatest	neighborhoods who	assessments and selected	showed no significant influence of the intervention on smoking initiation (NS)
		interventions from a list of	
Quality of	parental consent to	tested programs.	Outcome: Alcohol use
Execution (# of	participate in the 4-		Measure: Adolescent self-reported alcohol use in past month
limitations) Fair (4	year study	Each CTC community had a	Absolute change: +6 percentage points
limitations)		full-time local coordinator	Relative change: +9.7%
	Sample size: 643		Narrative results: Self-reported past month alcohol use increased among
	survey participants	Interventions per CTC and evidence-based resources	intervention adolescents after 4 years NS post x condition coefficient $-0.444$ (SE 60.86)
	Study population:	provided to coalitions	
	Participants		Outcome: Alcohol use (binge drinking)
	Age: range 12-14 at	Intervention/program	Measure: Adolescent self-reported binge drinking
	baseline; 15-17 at		Absolute change: -3 percentage points
	follow-up	(CTC)	Relative change: -60%
	Grade level: NR		Narrative results: Self-reported binge drinking decreased among intervention
	Sex: female 54.8%	Focus of intervention	group adolescents after 4 years; NS post x condition coefficient $-0.287$
	male 45.2%	content or activities:	(5.830)
	Race/ethnicity: Dutch		
	82.3%	prevention	Outcome: Initiation of alcohol use
	Education: NR		Measure: Adolescent self-reported lifetime alcohol use
	Income: NR	Interventions selected for	Absolute change: +2 percentage points
	Community	Implementation:	Relative change: +2.5%
	characteristics: NR	School, family	Narrative results: Self-reported lifetime alcohol increased slightly among intervention group adolescents; NS post x condition coefficient 0.077 (SE
		Intervention duration: 36 months (24-47 months)	0.391) Survival analysis also showed no significant intervention effect on alcohol use initiation

Study	Population Characteristics	Intervention Characteristics	Results
		Comparison group: No additional interventions (usual care communities)	Outcome: Cannabis use         Measure: Adolescent self-reported marijuana use in the past month         Comp (n=218): 4%         Absolute change: +2 percentage points         Relative change: +50%         Narrative results: Self-reported past month marijuana use increased among intervention adolescents over 4 years Statistical significance NR         Outcome: Initiation of cannabis use         Measure: Adolescent self-reported marijuana use lifetime         Absolute change: +2 percentage points         Relative change: +16.7%         Narrative results: Self-reported lifetime marijuana use increased in intervention adolescents over 4 years Statistical significance NR         Outcome: Illicit drug use         Measure: Self-reported "hard drug" use lifetime         Absolute change: +0 percentage points         Relative change: +0 percentage points         Relative change: +0 percentage points         Relative change: 0%         Narrative results: Hard drug use did not change over 4 years Statistical significance NR         Outcome: Delinquency
			Measure: Adolescent self-reported antisocial behaviors Absolute change: +2 percentage points Relative change: NR Narrative results: Self-reported antisocial behaviors increased among intervention adolescents over 4 years; NS post x condition coefficient 0.816 (4.157)
Author (Year): Komro 2017 Location: Cherokee	Community organization: Partnership	Brief description of intervention and content: Research-community partnership involving	Alcohol related results as per text of Komro 2017. Overall, three-way CMCA x CONNECT x Time interactions were statistically significant for current use (X2=24.79; P=.006), heavy episodic drinking (X2=18.58; P=.046), and alcohol consequences (X2=18.98; P=.041).
Nation, USA Period for Study: 3 years (36 months)	Urbanicity: Rural Number of communities or	University of Florida researchers, Cherokee Nation Behavior Health staff, and study communities utilizing	CMCA interventions only Outcome: Alcohol use Measure: Students (11-12th grade at follow-up) self-reporting alcohol use in
	school districts: 6 Inclusion/	community-based participatory research principles. A member of the	the past 30 days Absolute change: -13 percentage points (95% CI = $-20$ , $-5$ ) Relative change: -22% to -25%

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30 months (24-47 months)In the past 30 days Absolute change: -1.45 percentage points (95%CI -5.64, 2.74) Relative change: NR Narrative results: Not statistically significant p=0.39Comparison communities were noted to implement different community-wide interventions and school interventions over the study periodNot come: Tobacco use Measure: Students (11-12th grade at follow-up) self-reporting chewing tobacco use in the past 30 days Absolute change: -4.37 percentage points (95%CI =-7.97, -0.76) Relative change: NR Narrative results: Statistically significant p=0.005Outcome: Cannabis use Measure: Students (11-12th grade at follow-up) self-reporting marijuana use in the past 30 days Absolute change: -6.75 percentage points (95%CI -10.08, -3.43) Relative change: NR Narrative results: Statistically significant; p=0.015Outcome: Prescription drug misuse Measure: Students (11-12th grade at follow-up) self-reporting illegal prescription drug use in the past 30 days Absolute change: NR Narrative results: Statistically significant p=0.029Outcome: Other (Illegal) drug use Measure: Students (11-12th grade at follow-up) self-reporting other illegal Absolute change: -3.43 percentage points (95%CI -5.54, -1.32) Relative change: NR Narrative results: Statistically significant (95%CI -5.54, -1.32)	Study	Population Characteristics	Intervention Characteristics	Results
CMCA+CONNECT (combined) intervention arm Outcome: Tobacco use		lunch participation:	School, family, community, retailer, enforcement, policy <b>Intervention duration:</b> 30 months (24-47 months) <b>Comparison group:</b> Comparison communities were noted to implement different community-wide interventions and school interventions over	were for intervention x time across three intervention arm comparisons CMCA only intervention arm Outcome: Tobacco use Measure: Students (11-12th grade at follow-up) self-reporting cigarette use in the past 30 days Absolute change: -1.45 percentage points (95%CI -5.64, 2.74) Relative change: NR Narrative results: Not statistically significant p=0.39 Outcome: Tobacco use Measure: Students (11-12th grade at follow-up) self-reporting chewing tobacco use in the past 30 days Absolute change: -4.37 percentage points (95% CI=-7.97, -0.76) Relative change: NR Narrative results: Statistically significant p=0.005 Outcome: Cannabis use Measure: Students (11-12th grade at follow-up) self-reporting marijuana use in the past 30 days Absolute change: -6.75 percentage points (95%CI -10.08, -3.43) Relative change: NR Narrative results: Statistically significant: p=0.015 Outcome: Prescription drug misuse Measure: Students (11-12th grade at follow-up) self-reporting illegal prescription drug use in the past 30 days Absolute change: -5.01 percentage points (95%CI -7.57, -2.45) Relative change: NR Narrative results: Statistically significant p=0.029 Outcome: Other (Illegal) drug use Measure: Students (11-12th grade at follow-up) self-reporting other illegal Absolute change: -3.43 percentage points (95%CI -5.54, -1.32) Relative change: NR Narrative results: Statistically significant (95%CI -5.54, -1.32) CMCA+CONNECT (combined) intervention arm

Study	Population Characteristics	Intervention Characteristics	Results
			Measure: Students (11-12th grade at follow-up) self-reporting cigarette use in the past 30 days Absolute change: -1.06 percentage points (95%CI -2.36, 4.47) Relative change: NR Narrative results: Not statistically significant p=0.39 <b>Outcome: Tobacco use</b>
			Measure: Students (11-12th grade at follow-up) self-reporting chewing tobacco use in the past 30 days Absolute change: -0.35 (95%CI -3.04, 2.34) Relative change: NR Narrative results: Not statistically significant (95%CI -3.04, 2.34)
			Outcome: Cannabis use Measure: Students (11-12th grade at follow-up) self-reporting marijuana use in the past 30 days Absolute change: -4.00 percentage points (95%CI -7.10, -0.90) Relative change: NR Narrative results: Statistically significant p=0.015
			<b>Outcome: Prescription drug misuse</b> Measure: Students (11-12th grade at follow-up) self-reporting illegal prescription drug use in the past 30 days Absolute change: -3.74 percentage points (95%CI -6.07, -1.41) Relative change: NR Narrative results: Statistically significant p=0.029
			Outcome: Other (Illegal) drug use Measure: Students (11-12th grade at follow-up) self-reporting other illegal drug use in the past 30 days Absolute change: -2.41 percentage points (95%CI -4.29, -0.52) Relative change: NR Narrative results: Statistically significant (95%CI -4.29, -0.52)
Author (Year): Spoth 2013 Location: Iowa and Pennsylvania. USA	Community organization: Partnership Urbanicity: Suburban	Brief description of intervention and content: Community-University partnership. The three components of the PROSPER	<b>Outcome: Alcohol use behaviors-drunkenness</b> Measure: 12th grade student self-reported past month drunkenness Absolute change: - 3 percentage points Relative change: Relative reduction rate (-)5.9% Narrative results: Favorable but not statistically significant at both 11th and
Period for Study: 6.5+ years	and rural	model consist of local community teams, state-level university researchers, and a	Narrative results: Pavorable but not statistically significant at both 11th and12th grade; F (1,72) =1.40 p=0.120Outcome: Alcohol use risk behaviors-driving after drinking

Study	Population Characteristics	Intervention Characteristics	Results
Study Study Design: Group Randomized Controlled Trials CG Suitability: Greatest Quality of Execution (# of limitations) Good (1 limitation)	CharacteristicsNumber of communities or school districts: 28Inclusion/ Exclusion: Initial eligibility criteria for communities in the study were: (a) school district enrollment between 1300 and 5200 students, and (b) at least 15% of students eligible for free or reduced cost school lunches.Sample size: 7,774 survey participantsStudy population: Participants Age: mean 11.8 years Grade level: 5th-8th grade Sex: female 51% male 49%	Characteristics Prevention Coordinator team in the land grant university Cooperative Extension System. Community teams were comprised of a Cooperative Extension staff team leader, a public-school representative co-leader, and representatives of local human service agencies, along with other local community stakeholders (e.g., youth and parents). Community teams selected a universal family-based intervention from a menu with	ResultsMeasure: 12th grade student self-reported past-year driving after drinking Absolute change: -1 percentage points Relative change: Relative reduction rate (-)4.9% Narrative results: Favorable (stronger at 11th grade) but not statistically significant; $F(1,72)=0.24$ ; $p=0.318$ Outcome: Substance use-cigarette smoking Measure: 12th grade student self-reported past-month cigarette smoking Absolute change: -4 percentage points Relative change: Relative reduction rate (-)11.3% Narrative results: Significant reductions in both 11th and 12th grade; $F(1,72)=3.32$ ; $p=0.036$ Outcome: Substance use-cannabis Measure: 12th grade student self-reported past-year marijuana use Absolute change: -4 percentage points Relative change: Relative reduction rate (-)8.0% Narrative results: Significant reductions in both 11th and 12th grade; $F(1,72)=3.30$ ; $p=0.036$ Narrative results: Significant reductions in both 11th and 12th grade; $F(1,72)=3.30$ ; $p=0.036$ Narrative for differences in frequency of marijuana use (text summary) Frequency of use/behavior findings showed significant point-in-time intervention effects on marijuana use at both grades; relative reduction rates were 15.1% and 14.4% at the 11th and 12th gradeOutcome: Substance use-illicit substances Measure: 12th grade student self-reported past-year use of inhalants Absolute change: -2 percentage points Relative reduction rate (-)28.3% Narrative results: Significant reduction area (-)28.3% Narrative results: Significant reduction rate (-)28.3% Narrative results: Significant reduction rate (-)28.3% Narrative results: Significant reduction area (-)28.3% Narrative results: Significant reduction rate (-)28.3% Narrative results: Significant reduction rate (-)28.3% Narrative results: Significant reduction rate (-)28.3% Narra
	Income: NR Community characteristics: Free- Reduced price lunch participation: 31.0%	Interventions: Family-based: Strengthening Families Program: For Parents and Youth 10–14 (SFP 10–14). School-based: Community teams selected one of 3 All Stars Life Skills Training: Project Alert	<ul> <li>F(1,72)=3.18, p=0.039</li> <li>Outcome: Substance use-illicit substances</li> <li>Measure: 12th grade student self-reported past-year use of methamphetamines</li> <li>Absolute change: -1 percentage point</li> <li>Relative change: Relative reduction rate (-)31.4%</li> <li>Narrative results: Significant reduction in both 11th and 12th grade;</li> <li>F(1,72)=4.55, p=0.018</li> <li>Outcome: Substance use initiation-lifetime use of illicit substances</li> </ul>

Study	Population Characteristics	Intervention Characteristics	Results
		Booster sessions were implemented in the following year Intervention/program name: PROmoting School- community-university Partnerships to Enhance Resilience (PROSPER)	Measure: Student self-reported use of one or more illicit substances (methamphetamine, ecstasy, marijuana, drugs, or medications that were prescribed by a doctor for someone else, and Vicodin, Percocet, or Oxycontin not prescribed by a doctor) in lifetime. Combined into lifetime illicit substance use index sum 0-5. Absolute change: -0.25 score points Relative change: Relative reduction rate (-)15.0% Narrative results: Significant reductions in combined score for illicit drug use for both 11th and 12th grade $F(1,72)=25.53$ , $p=0.001$
		Focus of intervention content or activities: General substance use prevention Interventions selected for Implementation: School, family Intervention duration: 24 months (24-47 months) Comparison group: Usual care. No additional interventions	Spoth 2015 study <b>Outcome: Delinquency- adolescent conduct problem behaviors</b> Measure: 12th grade student self-reported past year behaviors [12 items; summed into an index (0-12) and dichotomized for relative rate reduction estimates) Absolute change: -0.265 sum points (SE 0.102) Relative change: Relative reduction rate: (-)11.1% Narrative results: Significant reduction in 12th grade; Effect size 0.05 (95%CI 0.006 to 0.469); t-value 2.60, p=0.012 Subset Follow-up of Young Adults in the PROSPER Study (Spoth 2017/2022) Measure: Lifetime use at age 19, age 23, and age 25 Relative change: Age 19 Age 23 Age 25 Drink alcohol NR -1.7% ns -1.7% ns Drunkenness NR -1.3% ns -2.2% ns E-cigarettes NR +3.6% ns +3.4% ns Marijuana -9.4% p<.05 +2.1% ns +1.1% ns Cocaine -30.3% p<.05 -19.8% ns -13.2% ns Ecstasy -33.1% p<.05 -21.1% ns -1.4% ns Methamphetamine -41.0% p<.05 -26.4% p<.05 LSD/Hallucinogen -35.1% p<.05 -26.8% ns -24.9% p<.05 (non-prescription) Amphetamine -7.7% ns +3.8% ns -3.0% ns
			(non-prescription) Prescription drug misuse index Subset follow-up of higher-risk youth at age 19 (non-prescribed use of narcotics (e.g., Vicodin, Oxycontin, Percocet), amphetamines, and barbiturates): -19.9% p<0.05

Study	Population Characteristics	Intervention Characteristics	Results
			Illicit Substance Use Index ((dichotomized and summed); methamphetamine, ecstasy, LSD (or other hallucinogens, including mushrooms), cocaine, and GHB or Rohypnol) Age 19 Age 23 Age 25 -25.3% p<.05 NR p<.05 NR p<.05
			Subset Follow-up of Young Adults in the PROSPER Study (Spoth 2017/2022) Measure: Current use at age 19, age 23, and age 25 Relative change:
			Age 19Age 23Age 25Cigarette use-past month-11.1% ns-4.4% ns+3.9% nsE-cigarette use-past month+0.9% ns-0.9% nsNRDrunkenness-past month-2.4% ns+1.9% ns-1.5% nsMarijuana use-past monthNR+9.9% ns-21.4% nsMarijuana use-past year-10.8% ns+3.6% ns+2.4% nsNarcotics use-past year-20.0% ns-1.9% ns-2.4% nsLSD/Hallucinogens-past yearNR+25.7% ns-2.0% nsMethamphetamines-past yearNR-51.7% ns+2.0% ns
Author (Year): Tombourou 2019	Community organization: Coalition	Brief description of intervention and content: Community coalitions	Total sample of student responses from 11 cross-sectional surveys of Grade 8 students in the period 1999-2015
Location: Australia	Urbanicity: Urban,	recruited to review local conditions and select	Outcome: Alcohol use initiation Measure: Student self-reported lifetime alcohol use
Period for Study:	suburban and rural	interventions to meet local	Absolute change: -16 percentage points
16 years (192		needs	Relative change: -6.0%
months)	Number of	Coalition action plans focused	Narrative results: OR=0.94 (95% CI 0.93, 0.95) The CTC sites had
	communities or	on the prevention of	significantly higher rates of alcohol and cannabis use at the baseline in 1999
Study Design: Controlled Before-	school districts: 109	adolescent alcohol use (and in three communities other drug	(e.g., alcohol use OR 1.88). The interaction (CTC Sites _ Survey Year)
After	Inclusion/	use was also targeted)	revealed significantly higher annual reductions in the CTC sites compared to other Australian localities in adolescent substance use behavior. p<0.05
	<b>Exclusion:</b> All students		other Australian localities in adolescent substance use benavior, p<0.05
CG Suitability:	in the selected year		Outcome: Tobacco use initiation
Greatest	levels within the	programs were identified and	Measure: Student self-reported lifetime tobacco use
	participating schools	regularly updated by the	Absolute change: NR
Quality of	were invited to take	Australian Research Alliance	Relative change: -3.0%
Execution (# of	part in the annual	which included:	Narrative results: OR=0.97 (95% CI 0.96, 0.99) The CTC sites had
limitations) Fair (4	survey	School-based drug use	significantly higher rates of alcohol and cannabis use at the baseline in 1999
limitations)	Comple sizes (1.220	prevention education	(e.g., alcohol use OR 1.88). The interaction (CTC Sites _ Survey Year)
	Sample size: 41,328 survey participants	Parent and family education to reduce family risk factors	revealed significantly higher annual reductions in the CTC sites compared to other Australian localities in adolescent substance use behavior. $p < 0.05$
	survey participants		other Australian localities in addressent substance use behavior. $p<0.05$

Study	Population Characteristics	Intervention Characteristics	Results
	Study population: Participants Age: mean 13.5 years (SD=1.7) Grade level: 5th-8th grade Sex: female 51.7% male 48.3% Race/ethnicity: NR Education: NR Income: NR Community characteristics: NR	(CTC) Focus of intervention	<b>Outcome: Cannabis use initiation</b> Measure: Student self-reported lifetime cannabis use Absolute change: NR Relative change: -4.0% Narrative results: OR=0.96 (95% CI 0.93, 0.98) The CTC sites had significantly higher rates of alcohol and cannabis use at the baseline in 1999 (e.g., alcohol use OR 1.88). The interaction (CTC Sites _ Survey Year) revealed significantly higher annual reductions in the CTC sites compared to other Australian localities in adolescent substance use behavior. p<0.05 <b>Outcome: Delinquency</b> Measure: Student self-reported anti-social behaviors (5 item scale) Absolute change: NR Relative change: NR Narrative results: The interaction term (CTC Sites _ Survey Year) was significant revealing larger annual changes in the CTC sites compared to other Australian communities for reduction of antisocial behavior (unstandardized regression coefficient [B] = -0.001, (95% CI -0.002, 0.000) p<0.05
Author (Year): Wolfson 2012	Community organization: Coalition	Brief description of intervention and content: Study funded a college-based	Outcome: Alcohol use Measure: Student self-reported number of days they drank alcohol in the past 30 days
Location: North Carolina, USA Period for Study:	Urbanicity: College/university communities	community organizer (a small monthly budget) to recruit a college/community coalition and to work on intervention	Absolute change: -0.01 days Relative change: NR Narrative results: There was no change in self-reported days drank alcohol in the past month p=0.98
3 years (36 months)	Number of	implementation	Outcome: Alcohol use-heavy or binge drinking
<b>Study Design:</b> Group Randomized Controlled Trial	communities or school districts: 10 Inclusion/	Coalitions included campus administrators, faculty, and staff, students, and community members.	Measure: Student self-reported number of days Binge Drinking (defined as 4 or more drinks in a row for women and 5 or more for men; past 30 days). Absolute change: +0.06 days Relative change: NR
CG Suitability: Greatest	<b>Exclusion:</b> Colleges: All 4-year, liberal arts colleges and	The SPARC study team developed a matrix of "best	Narrative results: No change in self-reported binge drinking days in the past month $p=0.83$
Quality of Execution (# of	universities in North Carolina with 2,500 or more full-time	and most promising" environmental strategies based on the	<b>Outcome: Alcohol use-drunkenness</b> Measure: Student self-reported number of days drunk in a typical week. Absolute change: +0.06 days

Study	Population Characteristics	Intervention Characteristics	Results
limitations) Fair (4 limitations)	undergraduates, and with at least 20% of students living on- campus, were	literature on reducing high- risk drinking and associated consequences on college campuses. The SPARC study team reviewed and, after any	Relative change: NR Narrative results: No change in self-reported days drunk in a typical week p=0.25 Outcome: Alcohol use related consequences- moderate
	Military schools, single- gender schools, and		consequences due to own drinking Measure: Index of student self-reported items including: got drunk, had
	seminaries or "Bible"	Interventions varied across colleges. Some interventions	memory loss, had a hangover, did something later regretted, passed out, got into a verbal argument, rode with driver under the influence, missed a class, urinated in public, got sick/vomited, strained a relationship, drove a
	Sample size: 3,811 survey participants	included: -Restrictions on provision of alcohol to underage or	car under the influence, damaged property, was hurt or injured, and performed poorly on test or project. Absolute change: Estimate from random coefficient model= 0.12
	Study population: Participants Age: NR	intoxicated students -Restrictions on alcohol purchases/possession	Relative change: NA Narrative results: Student self-reported moderate consequences due to own drinking increased in intervention communities $p=0.65$
	Grade level: College student Sex: female 60.8% male 39.2%	-Restrictions on alcohol use at campus events -Education	Outcome: Alcohol use related consequences- severe consequences due to own drinking Measure: Index of student self-reported items including: required medical
		Intervention/program name: Study to Prevent Alcohol Related Consequences (SPARC)	treatment, received a ticket for DUI/DWI, involved in an automobile/ motorcycle accident, got into a physical fight, got into trouble with police, victim of a crime, had sex later regretted, was taken advantage of sexually, and took advantage of another sexually.
	6.0% Hispanic or Latino 4.2%	Focus of intervention	Absolute change: Estimate from random coefficient model= -0.01 (SE0.003) Relative change: NA
	Education: NR Income: NR Community	content or activities: Alcohol use prevention	Narrative results: Student self-reported severe consequences due to own drinking decreased in intervention communities $p=0.02$ NOTE: Authors estimated that by year 4, the observed decrease in the
	characteristics: NR	<b>Interventions selected for</b> <b>Implementation:</b> School, community, retailer, enforcement, policy	proportion of students experiencing 1 or more severe consequence because of their own drinking in the past 30 days translates into an average of 228 fewer students in each Intervention school experiencing these consequences
		Intervention duration: 36 months (24-47 months)	Outcome: Alcohol use related consequences- interpersonal consequences due to others' drinking. Measure: Index of student reported items including: pushed, hit, or assaulted; threatened with physical violence; physical fight; verbal
		<b>Comparison group:</b> No additional interventions for comparison	argument; taken advantage of sexually; victim of sexual assault/rape; harassed because of sexual orientation, race/ethnicity, religion, or gender; personal property or residence damaged; and victim of another crime.

Study	Population Characteristics	Intervention Characteristics	Results
			Absolute change: Estimate from random coefficient model =-0.12 (SE 0.08) Relative change: NA Narrative results: Student reported interpersonal consequences due to other's drinking decreased in intervention communities`-p=0.16 NOTE: Authors found a significant dose-response interaction for this outcome (p=0.04).
			Outcome: Alcohol use related consequences- community consequences due to others' drinking Measure: Index of student self-reported items including: had sleep or studying interrupted; found cans, bottles, or other litter in or around own residence; found vomit in or around own residence; and considered transferring to another school. Absolute change: Estimate from random coefficient model =-0.13 (SE 0.16) Relative change: NA Narrative results: Student reported community consequences due to others' drinking decreased in intervention communities p=0.41
			<b>Outcome: Morbidity- alcohol-related injuries</b> Measure: Percent of students self-reported Experienced Alcohol-Related Injuries (one or more) including: automobile, motorcycle, bicycle, or all- terrain vehicle accidents; pedestrian hit by own motor vehicle; fall from height; sexual assault injuries; nonsexual assault injuries; and stab wound, gunshot wound, burn, or other serious injury. Absolute change: Estimate from random coefficient model =0.01% (SE 0.004) Relative change: NA Narrative results: Student self-reported alcohol related injuries increased slightly in study communities- p=0.15
			<b>Outcome: Morbidity- alcohol-related injuries</b> Measure: Percent of student self-reported Caused Alcohol-Related Injuries to Others (one or more) including: automobile, motorcycle, bicycle, or all- terrain vehicle accidents; pedestrian hit by own motor vehicle; fall from height; sexual assault injuries; nonsexual assault injuries; and stab wound, gunshot wound, burn, or other serious injury. Absolute change: Estimate from random coefficient model =-0.01% (SE 0.001) Relative change: NA Narrative results: Student self-reported causing alcohol-related injuries to others decreased slightly in intervention communities p=0.03

Study	Population Characteristics	Intervention Characteristics	Results
			NOTE: Authors found a significant dose-response interaction for this outcome ( $p < 0.01$ )