PSHE Community review

Jones and colleagues (2010)

#### **EVIDENCE TABLES**

A review of the effectiveness and cost effectiveness of alcohol and sex and relationship education for all children and young people aged 5-19 years in community settings

Lisa Jones, Geoff Bates, Jennifer Downing, Harry Sumnall, Mark A Bellis Centre for Public Health, Liverpool John Moores University



### Index to tables

1	Programmes targeting alcohol use	2
1.1		
1.2	2 Programmes delivered in social, health and community settings	6
1.3	3 Programmes delivered to parents and families	9
1.4	4 Programmes involving the wider community or mass media	27
1.5	5 Published economic evaluation studies	30
2	Programmes targeting sexual health	31
2.′	1 Systematic reviews and meta-analyses	31
2.2	Programmes delivered in social, healthcare and community settings	40
2.3	3 Programmes delivered to parents and families	63
2.4	4 Programmes involving the wider community or mass media	81
2.5	5 Programmes targeting vulnerable young people	83
3	Programmes targeting multiple behaviours	86
3.′	1 Programmes delivered in social, healthcare and community settings	86
3.2	2 Programmes delivered to parents and families	88

# 1 Programmes targeting alcohol use

## 1.1 Systematic reviews and meta-analyses

Study details	Review parameters	Outcomes	Notes
Foxcroft et al., (2002)	Inclusion: RCTs, NRCT, ITS design,	Primary prevention for alcohol misuse in young people.	Strengths and/or weaknesses
	controlled clinical trial, controlled		of the evidence presented:
Systematic review ++	prospective study. Primary interventions for	Schinke 2000 reported that the skills based intervention group were around 7% less likely than	The major limitation was that
	those up to age 25 years. Alcohol-specific	a control group to be weekly drinkers three and a half years after baseline measurement. This	the unit of allocation and
Objective: To identify and	or generic interventions providing alcohol	was statistically significant although the public health impact of this effect is difficult to judge.	analysis was different.
summarize rigorous evaluations of	outcomes		
psychosocial and educational	Exclusion: NR	Spoth 2001 conducted an evaluation of a family-based intervention using a strong design, and	Evidence gaps and/or
interventions aimed at the primary		although there was a moderate attrition rate, there was also a consistent pattern of	recommendations for future
prevention of alcohol misuse by	Number of studies included: 56 studies	effectiveness across the three drinking behaviour variables they reported. Importantly, the	research:
young people and To assess the		effectiveness of this intervention seemed to increase over time.	Research into important
effectiveness of primary prevention			outcome variables is needed.
interventions over the longer-term		Ineffective - Communities Mobilizing for Change on Alcohol programme - showed no clear	Evaluation methodologies need
(> 3 years).		results. Project Northland (Perry 1996) - no long-term effectiveness	to be improved. SFP needs to
			be evaluated on a larger scale.
Databases searched: Project		Community conclusion - If community interventions can have a significant impact on important	Culturally focused interventions
CORK, BIDS, PSYCLIT, ERIC,		youth alcohol misuse outcomes at the same time as impacting on other groups within a	need to be further developed
ASSIA, MEDLINE, FAMILY-		community (e.g. Holder 1997) then there may ultimately be an economy of scale. Instead of	and rigorously evaluated.
RESOURCESDATABASE,		different interventions for different groups, a single community intervention that covers all these	
HEALTH-PERIODICALS-		groups may be more cost-effective.	
DATABASE, EMBASE, BIDS,			
Dissertation-Abstracts, SIGLE,			
DRUG-INFO, SOMED, Social-			
Work-Abstracts, National-			
Clearinghouse-on-Alcohol-and-			
Drug-Information, Mental-Health-			
Abstracts, DRUG-database, ETOH			
Years: NR			

Study details	Review parameters	Outcomes	Notes
Foxcroft et al., (2003)	Inclusion: RCTs, matched controlled	41 RCTs, 14 NRCTs, 1 ITS.	Strengths and/or weaknesses
	before-after design and interrupted time-		of the evidence presented:
Systematic review +	series design. Participants were young	The results of this review point to Strengthening Families Program as an effective intervention	Methodological quality of
	people up to 25 years. Studies evaluated	over the long-term for the primary prevention of alcohol misuse. Other interventions worth	interventions is better than
Objective:	psychosocial interventions aimed	considering are culturally focused interventions (e.g. Schinke et al., 2000).	those reported in the authors'
	specifically to develop psychological and		previous review
Databases searched: 22	social skills in young people (e.g. peer	Findings showed that evidence for the life skills training programme was less convincing.	Evidence gaps and/or
databases. Including MEDLINE,	resistance) or educational interventions that	Authors make the point that policy makers should be informed of this finding, given the	recommendations for future
EMBASE, ASSIA, PSYCLIT.	aim specifically to raise awareness of the	widespread acceptance and use of LST.	research:
	potential dangers of alcohol misuse (e.g.		Research into important
Years: NR	increased knowledge).	Community interventions have the added benefit of going beyond youth which may be more	outcome variables needs to
	Exclusion: non-English	cost-effective (Holder, 1997).	take place to understand
			predictors of alcohol misuse.
	Number of studies included: 56 studies	Whether interventions focused on alcohol alone or alcohol as one of a number of drugs,	The methodology of evaluations
	(20 of which showed ineffectiveness).	appeared to have no effect on outcome in the studies reviewed.	needs to improve. SFP needs to
			be evaluated on al larger scale.

Study details	Review parameters	Outcomes	Notes
Petrie et al., (2007)	Inclusion: RCTs and CBA studies. Parents	The strongest evidence found in the review was based on work that had been undertaken with	Strengths and/or weaknesses
	with children aged <18 years. Any parenting	preteen and early adolescent children. Here parenting programmes evaluated led to a	of the evidence presented:
Systematic review ++	programme intervention involving parents	significant reduction in one or more of the outcome variables, in particular alcohol use, drugs or	Few studies distinguished
	which was designed to develop parenting	tobacco compared with controls. They included ISFP and PDFY programme.	between regular and occasional
Objective: To review parenting	skills, improve child/parent communication		use
programmes to prevent tobacco,	or enhance the effects of other	LST was found to be as effective as an intervention that included LST in conjunction with the	
alcohol or drug abuse in children	interventions. Studies also had to include a	ISFP. Effective interventions focussed on developing strategies to involve adolescents in family	Evidence gaps and/or
	measure of one of the following:	activities to maintain familial bonds and manage conflict. Also, an emphasis on parental	recommendations for future
Databases searched: PubMed,	Smoking, drinking, drug use by the child	engagement in an activity-based programme.	research:
Psychlnfo, CINAHL, SIGLE	Intention of child to participate in smoking,		Use of more rigorous,
	drinking or drug use alcohol and drug	Most effective interventions at reducing substance use in <18 children: emphasised	independent measures are
Years: different for each database	related risk behaviours in child antecedent	development of social skills and sense of personal responsibility among young people, as well	needed. Further research is
from 1960-October 2003	behaviours such as truancy etc.	as addressing issues related to substance use. Included active parental involvement.	needed to assess the
			applicability of these findings to
	Exclusion: if designed to manage children	All three trials with good allocation concealment showed significant positive effects.	other social groups
	with established drug, alcohol, or smoking		
	habits or focused on parents who were		
	receiving treatment for their own addictions		
	to alcohol or drugs.		
	Number of studies included: 46 reports		
	on 20 studies met inclusion criteria		

Study details	Review parameters	Outcomes	Notes
Smit et al., (2008)	Inclusion: RCTS targeted parents with	Main findings point to a favourable effect of family interventions on alcohol initiation and	Strengths and/or weaknesses
	children <16 yrs, describing a family	frequency of alcohol consumption among young people. The effects were maintained over	of the evidence presented:
Systematic review ++	intervention where at least half of the	time.	Not all included studies could
	programme had to be targeting parents		be combined into a single meta-
Objective: to quantify the	directly, all types of learning media were	Studies targeting all families within a group (mainly schools) showed a somewhat stronger	analysis due to differences in
effectiveness of family interventions	included e.g. group sessions, skills training,	effect, as compared to interventions targeting families independently for alcohol initiation, any	outcomes.
in reducing adolescent drinking	booklets, and CD-ROM programmes, the	use of alcohol in the past month and frequency of alcohol use	Small number of studies.
through meta-analysis of RCTs	intervention was carried out in a general		
	population and reported on the		Evidence gaps and/or
Databases searched: Cochrane	effectiveness of the study.		recommendations for future
Database of Systematic Reviews,			research:
ERIC, Medline, PsycInfo	Exclusion: Intervention was designed to		There is a need for future
	manage at-risk groups, or part of a		research to use intent-to-treat
Years: 1995-2006	multicomponent intervention and no		analysis
	separate analyses were performed for		
	family interventions, the outcome was not		
	actual alcohol use e.g. intention to use		
	alcohol, and the subjects were not randomly		
	assigned to the intervention or control		
	condition.		
	Number of studies included: 18 articles		

## 1.2 Programmes delivered in social, health and community settings

Study details	Intervention and population details	Analyses	Results
Elder et al., (2002)	Population details	Process details	Knowledge and understanding
	Inclusion: Adolescents and one adult care-giver from 22	Data collection method(s):	NR
RCT (Cluster) +	schools within 15 school districts with a sufficiently eligible	Questionnaire/Survey	
	number of Migrant Education families.	Statistical method(s) used to analyse data:	Attitudes and values
Objective: To evaluate a	Exclusion: NR	Generalised estimating equations	NR
community-based	Total n= 660 adolescents	Unit of allocation: School	
tobacco/alcohol use	Intervention, n= NR	Unit of analysis: Organisation/institution	Personal and social skills
prevention programme	Comparator, n= NR	Time to follow-up: Post-test, 1- and 2-years	There was no difference between intervention and control groups in
	<b>Male</b> n (%) = 51%		their susceptibility to drinking at any follow-up (OR 0.87; 95% CI 0.66,
Setting: Community - specify	Mean age (range): NR	Other details: 10\$ incentive for each person	1.14).
School (evenings)	Ethnicity: Majority were Mexican	was provided for completion of the baseline and	
	Other baseline:	post-intervention assessment.	Health and social outcomes related to alcohol and sexual health
Country: USA			There was no difference between intervention and control groups in
	Intervention details	Baseline comparability	terms of 30-day drinking at any follow-up (OR 1.21; 95% CI 0.74, 1.97).
Funding source: National	Name: Sembrano Salud	Groups balanced at baseline: NR	The authors report that alcohol prevalence started and remained at low
Cancer Institute	Focus/aim: Tobacco and alcohol use prevention	Comments: NR	levels throughout the study.
	Programme type:		
	Theoretical base: NR	Attrition	
	Key components: Presentation of information, modelling	Number of participants completing study: n=	
	and behavioural rehearsal; developing parental support	637 (post-test), 587 (1 year), 537 (2 years),	
	through enhanced parent-child communication. Additional	respectively	
	components were telephone booster calls and three	Reasons for non-completion: NR	
	newsletters.		
	Providers/delivers: Bilingual/bicultural Mexican		
	Americans, participated in training sessions		
	Length, duration, intensity: 8 weekly 2-hr sessions		
	Other details:		
	Comparator: First aid/home safety educational programme		

Study details	Intervention and population details	Analyses	Results
Schinke et al., (2005)	Population details	Process details	Knowledge and understanding
	Inclusion: Adolescents from 41 community-based	Data collection method(s): Questionnaire/Survey	NR
RCT (cluster) -	agencies in greater New York City	Statistical method(s) used to analyse data: Gain	
	Exclusion:	score analyses	Attitudes and values
Objective: The study	Total n= 489	Unit of allocation: School or youth programme	NR
examined the feasibility and	Intervention, n= 329	sites	
preliminary effectiveness of an	Comparator, n= 160	Unit of analysis: Individual	Personal and social skills
interactive CD-ROM designed	<b>Male</b> n (%) = 49%	Time to follow-up: Post-test	Participants who received the interactive CD ROM scored more positively
to prevent alcohol abuse	Mean age (range): median 10.84 years		on assertion skills and perceived harm of alcohol than control participants
among high-risk youth.	Ethnicity: 54% African American, 30% Hispanic,	Other details:	(p<0.0005 and p<0.053, respectively).
	11% White, 5% other		
Setting: Community - specify	Other baseline: NR	Baseline comparability	Health and social outcomes related to alcohol and sexual health
Afterschool agencies		Groups balanced at baseline: See comments	There was no difference in alcohol or other drug use among the intervention
	Intervention details	Comments: Matched on age, gender and school	and control groups. The authors report that frequency of substance use
Country: USA	Name: Thinking Not Drinking: A SODAS City	grades, but family composition and race differed	behaviour was low.
	Adventure		
Funding source: National	Focus/aim: To prevent alcohol abuse among	<u>Attrition</u>	
Institute on Alcoholism and	high-risk adolescents	Number of participants completing study: 100%	
Alcohol Abuse	Programme type:	Reasons for non-completion: NA	
	Theoretical base: Social cognitive theory,		
	problem-behaviour theory, peer-cluster theory and		
	family networks theory		
	Key components: Goal setting, coping, media		
	literacy, peer pressure, assertiveness training and		
	preventive strategies		
	Providers/delivers: CD-ROM		
	Length, duration, intensity: Ten, weekly 45		
	minute sessions		
	Other details:		
	Comparator: No intervention		

Study details	Intervention and population details	Analyses	Results
Tebes et al., (2007)	Population details	Process details	Knowledge and understanding
	Inclusion: Adolescents enrolled in after-school	Data collection method(s): One on one interviews	NR
CBA +	programmes serving middle and high schools	Statistical method(s) used to analyse data:	
	Exclusion:	Hierarchical linear modelling analysis; propensity	Attitudes and values
Objective: To examine the	Total n= 304	scores were entered in the HLM model to adjust for	At post-test, intervention participants reported an increased perception
effectiveness of an after-	Intervention, n= 149	the bias between the non-equivalent groups.	of risk of harm compared with the control group (p=0.006), but there
school program delivered in	Comparator, n= 155	Unit of allocation: School / After-school programme	was no difference on this measure at the 1-year follow-up. There were
urban settings on the	<b>Male</b> n (%) = 53%	Unit of analysis: Individual	no significant differences in drug beliefs at post-test or 1-year between
prevention of adolescent	Mean age (range): mean 14.5 years (SD 1.6)	Time to follow-up: Post-test, 1 year	intervention and control participants.
substance use.	Ethnicity: 76% African American, 20% Hispanic, 4%		
	White, <1% American Indian or Asian	Other details: The ADM-PYDC curriculum was part	Personal and social skills
Setting: Community - specify	Other baseline: NR	of an overall after-school programme that included	NR
Afterschool agencies		regular field trips to community agencies, civic	
	Intervention details	organisations, businesses, and schools to promote	Health and social outcomes related to alcohol and sexual health
Country: USA	Name: Adolescent Decision-Making for the Positive	learning about community service and understanding	Between pre-test and follow-up, the change in alcohol use was
	Youth Development Collaborative (ADM-PYDC)	one's cultural heritage.	significantly greater among the intervention group relative to the control
Funding source: Center for	Focus/aim: To promote well-being and prevent		group. The odds of using alcohol from pre-test to follow-up were less for
Substance Abuse Prevention	substance use among adolescents	Baseline comparability	the intervention group relative to the control group (OR 0.365; 95% CI
	Programme type: Youth development programme	Groups balanced at baseline: See comments	0.15– 0.90).
	Theoretical base: NR	Comments: The intervention group contained a	
	Key components: Curriculum covered: (1)	significantly higher percentage of girls, were older,	
	understanding and coping with stress; (2) decision-	had a higher grade level, had parents with more	
	making; (3) information about tobacco, alcohol and	education, were less likely to live with two parents,	
	drugs; and (4) applying decision-making. Cultural	and a significantly higher percentage of participants	
	heritage materials were included in the curriculum.	who had tried cigarettes.	
	Providers/delivers: Community group leaders		
	Length, duration, intensity: 18 sessions	<u>Attrition</u>	
	Other details:	Number of participants completing study: 1-year:	
	Comparator: Range of after-school activities,	Intervention 62%; Control 58%	
	including academic support, counselling services, and recreational activities.	Reasons for non-completion: NR	

### 1.3 Programmes delivered to parents and families

Study details	Intervention and population details	Analyses	Results
Bauman et al., (2000)	Population details	Process details	Knowledge and understanding
	Inclusion: Families with children aged 12-14	Data collection method(s): Questionnaire	Not reported
RCT (Individual) -	years	(self-report)	
	Exclusion:	Statistical method(s) used to analyse	Attitudes and values
Objective: To evaluate a family	Total n= 203 families (baseline users of	data: Generalised estimating equations	Not reported
programme to reduce use of	alcohol)	Unit of allocation: Families	
cigarettes or alcohol	Intervention, n= 99 families	Unit of analysis: Individual	Personal and social skills
	Comparator, n= 104 families	Time to follow-up: 3 months; 12 months	Not reported
Setting: Family	<b>Male</b> n (%) = 49%		
	Mean age (range): range 12-14 years	Other details: Only families who completed	Health and social outcomes related to alcohol and sexual health
Country: USA	Ethnicity: 73% White; 13% Black; 9%	follow-up were included in the analysis	There was no difference between intervention and control families in the mean
	Hispanic; 5% Other (whole sample)		number of days on which participants had drank alcohol in the past 30 days.
Funding source: National Institute	Other baseline: NA	Baseline comparability	
of Drug Abuse		Groups balanced at baseline: No	
	Intervention details	Comments: Intervention and control groups	
	Name: Family Matters	were not balanced on ethnicity	
	Focus/aim: Help families prevent the onset		
	of substance use	<u>Attrition</u>	
	Programme type: Family orientated	Number of participants completing study:	
	tobacco and alcohol prevention	30 families were lost-to-follow-up	
	Theoretical base: Theories of socialization;	Reasons for non-completion: Not reported	
	value expectancy theory; health belief		
	model; social learning theory; social		
	inoculation theory		
	Key components: Activities included		
	discussion about consequences of		
	alcohol/tobacco use; family influences on		
	children; family characteristics to influence		
	adolescent drug use; rules and sanctions		
	related to alcohol/tobacco use; factors		
	outside the family that can influence		
	substance use		
	Providers/delivers: Health educators		
	Length, duration, intensity: 4 booklets		
	Other details: NA		
	Comparator: No intervention		

Beatty et al., (2008)		Analyses	Results
· · · · · ·   -	Population details	Process details	Knowledge and understanding
	Inclusion: Parents with children age 10-11	Data collection method(s):	NR
RCT (cluster) +	years;	Questionnaire/Survey	
	Exclusion: NR	Statistical method(s) used to analyse	Attitudes and values
Objective: Parent-child	Total n= 1,201 parents	data: Logistic regression	NR
communication about tobacco	Intervention, n= 353 (29%)	Unit of allocation: School	
and alcohol	Comparator, n= 848 (71%)	Unit of analysis: Individual, see other	Personal and social skills
	<b>Male</b> n (%) = NR	details	Intervention group parents were more likely to report having spoken to their child about
Setting: Parent	Mean age (range): 10-11 years	Time to follow-up: NR	drinking alcohol (OR=2.8, 1.76-4.35, p<0.001). Intervention parents were more likely to have
	Ethnicity: NR		spoken to their child about alcohol more recently (p<0.001) (more specifically in the past 1-2
Country: Australia	Other baseline: NR	Other details: Within-school correlations	months; OR=3.1, 1.95-4.95, p<0.001, or the past 3-4 months; OR=1.9, 1.17-3.16, p=0.01) for
		were estimated and found not to be	a longer duration (p=0.006) (OR>2.5 for each time-period versus not spoken), with a greater
Funding source: Western	Intervention details	significantly different from zero.	level of engagement (p=0.006) (OR=2.3, 1.33-3.91, p=.003), covering more essential topics
Australian Public Education	Name: Unnamed		(p<0.001) (specifically all three nominated topics than none of the topics; OR=2.2, 1.46-3.32,
Endowment Trust and by a	Focus/aim: To reduce alcohol and tobacco	Baseline comparability	p<0.001).
Western Australian Health	use by young people	Groups balanced at baseline: No	
Promotion Foundation	Programme type: Parent intervention	Comments: Differences found on five	Multinomial regressions indicated that intervention parents were twice as likely to have
(Healthway) Research Training	Theoretical base: Diffusions of social	characteristics	spoken to their child about smoking in the 2 months prior to being surveyed (OR=2.1, 1.22-
Scholarship	innovation theory; social cognitive theory		3.75, p=0.008), to report high engagement rather than no engagement (OR=2.2, 1.13-4.18,
	Key components: Five communication	<u>Attrition</u>	p=0.020), and discussed more essential topics (OR=1.6, 1.09-2.45, p=0.017).
	sheets containing self-help information and	Number of participants completing	
	activities for parents; covered	study: 69%	Health and social outcomes related to alcohol and sexual health
	communication, role modelling, parenting	Reasons for non-completion: NR	NR
	style and family management techniques,		
i	information about alcohol and tobacco.		
	Providers/delivers: NA		
	Length, duration, intensity: Not clear		
	Other details: Parents in one intervention		
	condition were provided with an opportunity		
	to choose the order in which they received		
	the five sheets.		
	Comparator: No intervention		

Study details	Intervention and population details	Analyses	Results
Brody et al., (2004; 2006)	Population details	Process details	Knowledge and understanding
	Inclusion: African American mothers and	Data collection method(s):	Not reported
RCT (Cluster) +	their 11-year-old children; resided in nine	Questionnaire/Survey	
	rural counties	Statistical method(s) used to analyse	Attitudes and values
Objective: To evaluate the Strong	Exclusion: NR	data: Structural equation modelling with	Compared with control families, parents and young people in intervention-group
African American Families Program	Total n= 332	latent variables, ANCOVA.	families reported greater changes from pre- to post-test in regulated, communicative
intended to delay the onset of	Intervention, n= 182 (55%)	Unit of allocation: Counties	parenting* (p<0.01). Based on the results of a multilevel ANCOVA (inclusion of
alcohol use and reduce alcohol	<b>Comparator</b> , n= 150 (45%)	Unit of analysis: Individual; authors	county-level effects), a medium effect size emerged for regulated communicative
consumption	<b>Male</b> n (%) = 132 (47%)	calculated an intraclass correlation, which	parenting (effect size 0.47; p<0.01).
	Mean age (range): mean 11.2 years	indicated that SEM could be used to analyse	Further analyses undertaken by Murray et al., (2007) found support for the
Setting: Family	Ethnicity: African Americans	the data without biasing the parameter	hypothesis that programme induced changes in parenting led to an increase in
	Other baseline:	estimates.	youth self-pride which was associated with peer orientation, sexual risk intentions,
Country: USA		Time to follow-up: post-test; 24 months	and behaviour at long-term follow-up.
	Intervention details		*Characterised by four practices: involved-vigilant parenting; clearly articulated
Funding source: National Institute	Name: Strong African American Families	Other details: Families were paid \$100 at	parental expectations for alcohol use; communication about sex; and racial
on Alcoholism and Alcohol Abuse	Program	pretest, posttest and 2-year follow up	socialisation.
	Focus/aim: Resistance efficacy approach to		
	reduce drinking	Baseline comparability	Personal and social skills
	Programme type: Alcohol use prevention	Groups balanced at baseline: Yes	Compared with control families, parents and young people in intervention-group
	program	Comments: Equivalent for family	families reported greater changes from pre- to post-test in youth protective factors*
	Theoretical base: NR	demographic characteristics. Any	(p<0.05). Based on the results of a multilevel ANCOVA (inclusion of county-level
	Key components: Concurrent parent/child	differences were controlled for.	effects), a small to medium effect size emerged for youth protective factors (effect
	sessions followed by joint sessions where		size 0.39; p<0.03). Further analyses indicated support for the hypothesis that
	skills learnt are practiced	<u>Attrition</u>	changes in youth protective factors were mediated through intervention induced
	Providers/delivers: Trained group leaders	Number of participants completing study:	changes in regulated, communicative parenting.
	Length, duration, intensity: Seven	305 (92%)	
	consecutive 2-hour weekly meetings	Reasons for non-completion: NR	*Five protective factors against the early onset of alcohol use and sexual activity: a
	Other details:		planful future orientation; resistance efficacy; negative attitudes towards alcohol use
	Comparator: Received 3 leaflets via mail		and sexual activity; negative images of drinking youth; and acceptance of parental
			influences.
			Health and social outcomes related to alcohol and sexual health
			New alcohol user proportions were significantly lower at both post-test (p<0.05) and
			follow up (p<0.05) in the intervention group compared to the control group.
			Participation in the programme predicted lower rates of growth in alcohol use among
			rural African American youth over the follow-up period. SAAF participants
			experienced 17.4% less growth in alcohol use for each unit increase among the
			control group. Further analyses indicated that changes in youth alcohol use from the
			pre-test to the long-term follow-up were mediated through the programme's
			enhancement of youth protective processes from pre- to post-test.

Study details	Intervention and population details	Analyses	Results
Carlson et al., (2000) [#668]	Population details	Process details	Knowledge and understanding
	Inclusion: Parents/guardians of participating	Data collection method(s): Other	NR
CBA -	6 <sup>th</sup> grade students attending two schools.	phone survey	
	Exclusion:	Statistical method(s) used to analyse	Attitudes and values
Objective: A pilot intervention to	Total n= 650 parents	data: chi square	NR
increase parent-child	Intervention, n= 237 parents (FU)	Unit of allocation: School	
communication about alcohol	Comparator, n= 241 parents (FU)	Unit of analysis: School, individual	Personal and social skills
avoidance - using postcards as a	<b>Male</b> n (%) = NR	Time to follow-up: Two months	Intervention parents/guardians were more likely than control parents/guardians to
tool	Mean age (range): 6th grade pupils		have talked to their child about avoiding alcohol 10 or more times in the past year
	Ethnicity: 65% Black; 30% White; 5% Other	Other details: NR	(chi square= 10.49, 4df, p=0.03). Intervention parents/guardians were also more
Setting: Parent	Other baseline: NR		likely to have talked to their child in the last 30 days than control parents/guardians
		Baseline comparability	(chi square=14.78, 4df, p=.01)
Country: USA	Intervention details	Groups balanced at baseline: NR	
	Name: STARS for families	Comments: NR	Health and social outcomes related to alcohol and sexual health
Funding source: National Institute	Focus/aim: To improve parent-child		NR
on Alcohol Abuse and Alcoholism	communication regarding alcohol use	<u>Attrition</u>	
	Programme type: Parent-based	Number of participants completing study:	
	intervention	478 (74%)	
	Theoretical base: Health Belief Model,	Reasons for non-completion: NR	
	Social Cognitive Theory		
	Key components: Postcards and parent-		
	child discussion		
	Providers/delivers: NR		
	Length, duration, intensity: 10 postcards		
	were mailed twice a week over five weeks		
	Other details: None		
	Comparator: No intervention		

Study details	Intervention and population details	Analyses	Results
Cohen and Rice (1995)	Population details	Process details	Knowledge and understanding
	Inclusion: School substance use curriculum for 5th and	Data collection method(s):	NR
RCT (cluster) -	7th grade students	Questionnaire/Survey	
	Exclusion: NR	internally validated	Attitudes and values
Objective: Evaluation of	<b>Total</b> n= C1 = 1034; C2 = 1244	Statistical method(s) used to	No difference in parenting behaviours between groups across time.
parent targeted intervention to	Intervention, n= NR	analyse data:	When children's perceptions of parenting behaviours were stratified by the onset of
reduce children's substance	Comparator, n= NR	Unit of allocation: School	children's tobacco or alcohol use, children who became smokers or drinkers
use	<b>Male</b> n (%) = C1 = 48%; C2 = 50%	Unit of analysis: Individual	showed larger declines in parental respect, parental rapport and parental
	Mean age (range): C1 = 5th Grade	Time to follow-up: post intervention,	monitoring compared with children who remained non-smokers or non-drinkers.
Setting: Parent	Ethnicity: C1 = 15% Asian, 32% Hispanic, 38% White, 4	yearly for 4 years	However, parents whose children reported having substance-using peers
Family home	% black, 11% other; C2 = 15% Asian, 27% Hispanic,		consistently perceived their parents-child relationship as having higher indexes of
	40% White, 4% Black, 15% other	Other details: Few parents attended	rapport (p<0.001), respect (p<0.001), and monitoring (p<0.001).
Country: USA	Other baseline: 41-58% had initiated alcohol at baseline	sessions	
			Differences in means over time between drinkers and non-drinkers: Cohort 1 (1) p
Funding source: NIDA	Intervention details	Baseline comparability	value; Cohort 2 (2) p value
	Name: NR	Groups balanced at baseline: See	Student perception of parent respect for child: p<0.001; P=0.0081
	Focus/aim: To provide parents with skills to support	comments	Student perception of parent-child rapport: p=0.11; p=0.0015
	children regarding substance use	Comments: random assignment	Student perception of parental monitoring: p=0.0004; p<0.0001
	Programme type: substance use prevention (including	based on ethnic mix, socioeconomic	Student perception of parent's knowledge of children's friends: p=0.45; p=0.92
	alcohol)	status and achievement scores	
	Theoretical base: Skills development		Personal and social skills
	Key components: Parental skills training around	<u>Attrition</u>	
	substances; Drug refusal skills, family rules about drugs	Number of participants completing	Health and social outcomes related to alcohol and sexual health
	Providers/delivers: NRS - facilitators	study: NR	No differences in alcohol and tobacco use between groups across time.
	Length, duration, intensity: 4 sessions cohort 1, 3	Reasons for non-completion: NR	Cohort 1 - experimentation with alcohol increased from 42.3% to 71.7%.
	sessions cohort 2		Cohort 2 - experimentation with alcohol increased from 55.4% to 72.8%
	Other details:		
	Comparator: No intervention		
<u> </u>	<u>I</u>	l	

Study details	Intervention and population details	Analyses	Results
Johnson et al., (1996)	Population details	Process details	Knowledge and understanding
	Inclusion: High-risk youth and their families in five church	Data collection method(s):	Significant effects at 3 months and 1 year on alcohol and other drug
RCT (cluster) -	communities	Questionnaire/Survey	(AOD) knowledge and beliefs (both p < 0.001).
	Exclusion:	Statistical method(s) used to analyse	
Objective: Evaluation of the	Total n= 120*	data: ANCOVA (with and without repeated	Attitudes and values
effects of a community-based	Intervention, n= 59	measures)	NR
program designed to delay	Comparator, n= 61	Unit of allocation: Group - Families	
onset and reduce the	<b>Male</b> n (%) = 42%	Unit of analysis: Individual	Personal and social skills
frequency of alcohol and other	Mean age (range): 12-14 yrs	Time to follow-up: post-test; 12 months	Significant effects at 3 months on youth involvement in setting AOD rules
drug use among high-risk	Ethnicity: 16% African American		(p < 0.001); family communication (parent report, p=0.06); bonding with
youths	Other baseline: NR	Other details:	mother (youth report, p=0.08). No significant effects on family meeting
			practices, family rules about ATOD, family rules about non-AOD youth
Setting: Church communities	*Post-test sample only	Baseline comparability	behaviour, youth involvement in setting non-AOD rules, family
		Groups balanced at baseline: NR	communication (youth report), parents frequency of alcohol use, parents'
Country: USA	Intervention details	Comments:	quantity of alcohol use, bonding with mother (parent report), bonding
	Name: Creating Lasting Connections		with father (youth report), bonding with siblings (parent report).
Funding source: Center for	Focus/aim: Delay the onset and reduce the frequency of	Attrition	
Substance Abuse Prevention	alcohol and other drug use	Number of participants completing study:	At 12 months, there were no significant effects on family meeting
	Programme type: Community-based	120 (% NR)	practices, family rules about ATOD, family rules about non-AOD youth
	Theoretical base: NR	Reasons for non-completion: NR	behaviour, youth involvement in setting non-AOD rules, family
	Key components: Training modules for parents and young		communication (parent or youth report), parents frequency of alcohol
	people (substance use knowledge and issues, family		use, parents' quantity of alcohol use, bonding with mother (parent
	planning skills, and communication skills); follow-up case		report), bonding with father (youth report), bonding with siblings (parent
	management services		report).
	Providers/delivers: NR		
	Length, duration, intensity: 3 training modules (12-16		Health and social outcomes related to alcohol and sexual health
	hours each); 1 yr case management		NR
	Other details:		
	Comparator: No intervention		

Study details	Intervention and population details	Analyses	Results
Jones et al., (2005)	Population details	Process details	Knowledge and understanding
	Inclusion: Families with a child in 5th or 6th	Data collection method(s):	Not reported
RCT (cluster) +	grade; accompanied to a well-child visit by a	Questionnaire/Survey	
	parent/guardian.	Statistical method(s) used to analyse	Attitudes and values
Objective: To examine whether the	Exclusion: NR	data: t-test; chi-square	There was no intervention effect on adolescent internalizing or externalizing of
effects of a family-focused primary-	Total n= 2,153 families	Unit of allocation: Clinics	problems. Significant prevention program effect for boys on externalizing of
care-based intervention were	Intervention, n= 1,235 families	Unit of analysis: Group	problems (p<0.05) with lower externalizing in intervention boys.
moderated by positive parenting	Comparator, n= 918 families	Time to follow-up: 12-, 24- and 36-months	
and/or adolescent gender.	<b>Male</b> n (%) = 51%		Personal and social skills
	Mean age (range): mean 11 years	Other details: Only families that had	Not reported
Setting: Family	Ethnicity: 97% White	complete data at all assessments were	
	Other baseline: NA	included in the analyses.	Health and social outcomes related to alcohol and sexual health
Country: USA			There was not a main effect of the intervention effect on alcohol and tobacco use
	Intervention details	Baseline comparability	index. Contrary to the authors' hypotheses, maternal positive parenting, paternal
Funding source: National Institute	Name: Unnamed	Groups balanced at baseline: Yes	positive parenting, gender of the adolescent, and the interaction of these variables
on Alcohol Abuse and Alcoholism	Focus/aim: Educate families about risks	Comments: Balanced on all measures	did not moderate the effect of the prevention programme on the alcohol and tobacco
	associated with substance use, encourage	except significantly more female children in	use index.
	family communication about the risks, and	control group	
	encourage families to establish policies and		
	engage in activities to prevent risky	Attrition	
	behaviour.	Number of participants completing study:	
	Programme type: Family-focused	n= 2,153 (70% of original sample)	
	intervention	Reasons for non-completion: Losing	
	Theoretical base: NR	contact with families who moved; parents	
	Key components: Families agreed to	withdrawing	
	discuss the target risk behaviours and to		
	develop policies; parent, child and clinician		
	signed a "family contract"; three sets of		
	material mailed to families (quarterly		
	newsletters; brochures focusing on effective		
	communication and annual reminders)		
	Providers/delivers: clinicians - physicians,		
	nurses		
	Length, duration, intensity: NR		
	Other details:		
	Comparator: Physician discussed bicycle		
	helmet, car seatbelt or gun safety		

Study details	Intervention and population details	Analyses	Results
Koutakis et al., (2008)	Population details	Process details	Knowledge and understanding
	Inclusion: Inner city, public housing and small town areas;	Data collection method(s):	NR
NRCT ++	Junior high schools grades 7-9 parents of students.	Questionnaire/Survey	
	Exclusion: NR	Statistical method(s) used to	Attitudes and values
Objective: To evaluate a 2.5-	Total: students, n=811; parents, n=651	analyse data: general linear models,	Parental attitudes towards alcohol at PT were significantly greater among
year prevention programme	Intervention: students, n=393; parents, n=339	ANCOVAs, chi-squared, t-tests	intervention parents in comparison to control parents (p<0.001).
working through parents,	Comparator: students. n=418; parents, n=312	Unit of allocation: School	
targeting drinking among	<b>Male</b> n (%) = NR	Unit of analysis: Individual	Personal and social skills
13-16-year-olds.	Mean age (range): 13-16 years;	Time to follow-up: grade 7, grade 8,	NR
	Ethnicity: NR	grade 9 for both students and parents.	
Setting: Parent	Other baseline: NR		Health and social outcomes related to alcohol and sexual health
		Other details: None	The increase in youth drinking and last month drunkenness was steeper in
Country: Sweden	Intervention details		the control group, compared to the intervention group at post-test (both
	Name: The Örebro Prevention Programme	Baseline comparability	p<0.001). The proportion of participants who had been drunk several times
Funding source: Swedish	Focus/aim: To reduce adolescent alcohol use	Groups balanced at baseline: Yes	during the last month was twice as high in the control group as in the
National Institute of Public	Programme type: Alcohol prevention programme	Comments: Parent control group	intervention group (27.0% versus 12.6%, p<0.001). The number needed to
Health	Theoretical base: increased involvement in organised leisure	significantly stricter.	treat (NNT) was 7.7 for being drunk during the last month and 7.1 for being
	activities reduces use of drugs/alcohol and delinquency.		drunk frequently.
	Key components: zero-tolerance to alcohol use, promoting	<u>Attrition</u>	
	leisure activities, parental influence on adolescents, parent-child	Number of participants completing	Early starters (those who had been drunk at least once at baseline, n=148)
	contracts.	study: Grade 8 students, n=653;	reported increased drunkenness over time (p<0.001). This increase was
	Providers/delivers: External: Project workers	parents, n=524; Grade 9 students,	steeper in the control group than in the intervention group, (p<0.01).
	Length, duration, intensity: 5 semesters, 1x meeting per	n=705; parents, n=506	
	semester, 30mins	Reasons for non-completion:	
	Other details:	Absence from school; no reason	
	Comparator: No intervention	reported for parents	

Study details	Intervention and population details	Analyses	Results
Loveland-Cherry, (1999)	Population details	Process details	Knowledge and understanding
	<b>Inclusion</b> : Students in 4 <sup>th</sup> grade from three	Data collection method(s):	Not reported
RCT (Individual) -	school districts and their families.	Questionnaire/Survey	
	Exclusion: NR	Statistical method(s) used to analyse	Attitudes and values
Objective: To evaluate an	Total n= 892	data: Repeated measures MANOVA	Not reported
intervention designed to enhance	<b>Intervention</b> , n= 90/428 at FU (21%)	Unit of allocation: Families	
protective factors and minimize risk	<b>Comparator</b> , n= 338/428 at FU (79%)	Unit of analysis:	Personal and social skills
factors identified as influencing	<b>Male</b> n (%) = 46%	Time to follow-up: Annual follow up for 4	Not reported
adolescent alcohol use	Mean age (range): 4th Grade	years	
	Ethnicity: 86% European American		Health and social outcomes related to alcohol and sexual health
Setting: Family	Other baseline: NR	Other details: families were paid \$5 for	Alcohol use increased over time in both the intervention and control group. Prior
		each completed interview and \$10 for each	drinkers in the intervention condition (n=11) reported somewhat less alcohol
Country: USA	Intervention details	completed session	consumption over time that prior drinkers in the control condition (n=50). At 4 years,
	Name: NR		students without prior drinking reported less use if their parents were in the
Funding source: NR	Focus/aim: To develop parent/family assets	Baseline comparability	intervention group (n=79), whereas control group students with no prior drinking
	that are proposed to maximise protective	Groups balanced at baseline: NR	(n=288) reported more alcohol use.
	factors and minimise parent/family risk	Comments: NR	
	factors.		Prior drinkers in the intervention condition reported less alcohol misuse and a
	Programme type: Alcohol misuse	Attrition	sharper decline in drinking problems than prior drinkers in the control group. Among
	prevention	Number of participants completing study:	students with no prior drinking, in 4 <sup>th</sup> and 5 <sup>th</sup> grade, intervention group students
	Theoretical base: Social cognitive theory,	428 (48%) provided complete data at all four	reported minimally lower rates of misuse than control students, but at 6 <sup>th</sup> grade,
	problem behaviour theory	follow-ups	those in the control group reported lower rates of alcohol misuse than those in the
	Key components: In-home sessions, family	Reasons for non-completion: missing data	intervention group. Based on analysis at the 4-year follow-up, among no prior
	meetings and follow-up phone calls; booster	from one or more follow ups	drinkers students in the intervention group reported less alcohol use and misuse
	sessions in 7 <sup>th</sup> grade; semi-annual		compared to control students (p=0.01 for use; p=0.04 for misuse). Among prior
	newsletters		drinkers, the results were not significant.
	Providers/delivers: "Field Staff"		
	Length, duration, intensity: Three hour		
	long in-home sessions		
	Other details: None		
	Comparator: No intervention		

Intervention and population details	Analyses	Results
Population details	Process details	Knowledge and understanding
Inclusion: Families of sixth graders enrolled	Data collection method(s):	Not reported
in 33 rural schools in 19 counties.	Questionnaire/Survey	
Exclusion: NR	Statistical method(s) used to analyse	Attitudes and values
Total n= 429 families	data: regression; structural equation	Not reported
Intervention, n= 221 (51%)	modelling	
<b>Comparator</b> , n= 208 (49%)	Unit of allocation: School	Personal and social skills
<b>Male</b> n (%) = 206 (48%)	Unit of analysis: Group	Not reported
Mean age (range): mean 11.35 years	Time to follow-up: 10 years	
Ethnicity: >95% White		Health and social outcomes related to alcohol and sexual health
Other baseline: NA	Other details: NA	At age 22, a higher but non-significant proportion of control participants met criteria
		for alcohol abuse disorder in the past year than intervention group participants (16%
Intervention details	Baseline comparability	PDFY group vs. 21% control; p=0.36).
Name: Preparing for the Drug Free Years	Groups balanced at baseline: NR	
(PDFY)	Comments: NR	The rate of alcohol abuse for PDFY women (6%) was significantly lower than for
Focus/aim: See Spoth et al., 2001; 2004		control group women (16%; p<0.05 for comparison), but among men, the rate of
Programme type: Alcohol abuse prevention	Attrition	alcohol abuse for PDFY men (29%) was non-significantly higher than in control men
Theoretical base: Social development	Number of participants completing study:	(25%; p=0.66 for comparison).
model	313 (73%; 152 PDFY; 161 control)	
Key components: Four parent only	Reasons for non-completion: NR	Further analyses indicated that intervention effects on prosocial skills were
sessions and one session, focusing on peer		associated with the reduction in alcohol abuse disorder in adult females.
resistance skills, involved both parents and		
children.		
Providers/delivers: Video		
Length, duration, intensity: Five weekly		
sessions		
Other details: Programme content was		
provided by video.		
Comparator: Provided with four fact sheets		
describing various aspects of adolescent		
development.		
	Population details Inclusion: Families of sixth graders enrolled in 33 rural schools in 19 counties. Exclusion: NR Total n = 429 families Intervention, n = 221 (51%) Comparator, n = 208 (49%) Male n (%) = 206 (48%) Mean age (range): mean 11.35 years Ethnicity: >95% White Other baseline: NA  Intervention details Name: Preparing for the Drug Free Years (PDFY) Focus/aim: See Spoth et al., 2001; 2004 Programme type: Alcohol abuse prevention Theoretical base: Social development model Key components: Four parent only sessions and one session, focusing on peer resistance skills, involved both parents and children. Providers/delivers: Video Length, duration, intensity: Five weekly sessions Other details: Programme content was provided by video. Comparator: Provided with four fact sheets describing various aspects of adolescent	Population details Inclusion: Families of sixth graders enrolled in 33 rural schools in 19 counties.  Exclusion: NR Total n= 429 families Intervention, n= 221 (51%) Comparator, n= 208 (49%) Male n (%) = 206 (48%) Mean age (range): mean 11.35 years Ethnicity: >95% White Other baseline: NA  Intervention details Name: Preparing for the Drug Free Years (PDFY) Focus/aim: See Spoth et al., 2001; 2004 Programme type: Alcohol abuse prevention Theoretical base: Social development model Key components: Four parent only sessions and one session, focusing on peer resistance skills, involved both parents and children. Providers/delivers: Video Length, duration, intensity: Five weekly sessions Other details: Programme content was provided by video. Comparator: Provided with four fact sheets describing various aspects of adolescent

Study details	Intervention and population details	Analyses	Results
Schinke et al., (2004)	Population details	Process details	Knowledge and understanding
	Inclusion: Young people attending 43	Data collection method(s):	Not reported
RCT (cluster) +	community agencies; aged 10-12 years.	Questionnaire/Survey	
	Exclusion: NR	Statistical method(s) used to analyse	Attitudes and values
Objective: To test a CD-ROM	Total n= 514	data: Repeated measures MANOVA	Not reported
intervention with and without a	Intervention, n= NR	Unit of allocation: Community site	
parent involvement component to	Comparator, n= NR	Unit of analysis: NR	Personal and social skills
reduce risk of alcohol use among an	<b>Male</b> n (%) = 250 (48.6%)	Time to follow-up: post-test; 1-, 2- and 3-	Family involvement: CD ROM plus parent group had significantly better scores than
urban sample of early adolescents	Mean age (range): mean 11.5 (SD 0.53)	year follow-ups	controls at post-test and 2-year follow up and by the 3-year follow-up had
	years		significantly better scores than the control and CD ROM only groups (all p<0.05).
Setting: Family	Ethnicity: 54% Black, 30% Hispanic, 11%	Other details: Parents received food and	Family involvement scores increased in both intervention groups over time and
	white, 5% Asian or other	movie coupons for participating	remained stable in the control group.
Country: USA	Other baseline: family involvement; peer		
	influence; alcohol, cigarette and cannabis	Baseline comparability	Significant main effect of intervention (p<0.001) on peer influence outcomes. Peer
Funding source: National Institute	use	Groups balanced at baseline: Yes	influence outcomes improved over time in both intervention groups and worsened in
on Alcohol Abuse and Alcoholism		Comments: No differences on any	the control group.
	Intervention details	outcomes	
	Name: NR		Health and social outcomes related to alcohol and sexual health
	Focus/aim: To reduce the risk of alcohol	Attrition	Significant main effects seen for the intervention on alcohol use in the past 30 days
	use among urban adolescents	Number of participants completing study:	(p<0.001). Youths in both intervention groups reported less monthly alcohol use
	Programme type: Alcohol prevention	514 (100%) post-test; 513 (99%) 1-year; 452	than controls at all follow up times. At 3-years, the CD ROM plus parents group also
	Theoretical base: Family interaction theory;	(88%) 2-years; 469 (91%) 3-years	reported less use than the CD ROM only group.
	social learning theory; problem behaviour	Reasons for non-completion: NR	
	theory		Alcohol use in past 30 days. CD; CD + parent; Control
	Key components: (1) CD-ROM programme		Posttest: 3.7 (0.16); 3.7 (0.14); 3.8 (0.14)
	covered goal setting, coping, peer pressure,		1-year: 3.7 (0.69); 3.6 (0.75); 3.8 (0.76)
	refusal skills, norm correcting, self-efficacy,		2-years: 3.8 (0.89); 3.6 (0.77); 3.9 (0.74)
	problem solving, decision making, and		3 years: 3.2 (0.60); 3.2 (0.55); 3.9 (0.63)
	communication. Instruction and skills		
	practices of problem-solving steps to help		
	youths assimilate information on avoiding		
	alcohol.		
	(2) Parent intervention consisting of a		
	videotape and two newsletters + workshop		
	booster sessions		
	Providers/delivers: CD-ROM		
	Length, duration, intensity: Ten, 45-minute		
	sessions; 30-minute boosters sessions		
	Other details:		
	Comparator: No intervention		

Study details	Intervention and population details	Analyses	Results
Schinke et al., (2009)	Population details	Process details	Knowledge and understanding
	Inclusion: Participant dyads needed to: (1)	Data collection method(s):	Not reported
RCT (Individual) +	include a daughter aged 10-13 years; (2)	Questionnaire/Survey	
	have access to a private computer; and (3)	Statistical method(s) used to analyse	Attitudes and values
Objective: To evaluate a computer-	assure that the mother and daughter would	data: General linear model repeated	Compared with girls who received the control, intervention girls reported better
mediated intervention to prevent	complete measurement and intervention	measures analyses	normative beliefs about underage drinking (p<0.05) and greater self-efficacy about
underage drinking among early	procedures.	Unit of allocation: Individual	avoiding alcohol (p<0.05) at posttest and follow-up. Intervention girls also showed
adolescent girls	Exclusion: NR	Unit of analysis: Individual	greater improvements on these measures over time (p<0.001 and p<0.05,
	Total n= 202 pair of girls and mothers	Time to follow-up: Post-test; 2 months	respectively). At posttest and follow-up, fewer girls in the intervention arm than
Setting: Family	Intervention, n= NR		control arm said that they intended to drink alcohol when they became adults
	Comparator, n= NR	Other details:	(p<0.05).
Country: USA	<b>Male</b> n (%) = 100% female		
	Mean age (range): mean 12.2 years	Baseline comparability	Personal and social skills
Funding source: National Institute	Ethnicity: 67.8% White, 14.1% Latina, 9.5%	Groups balanced at baseline: Yes	Relative to girls in the control group, intervention girls reported improved
on Drug Abuse	Black, .5% Asian, 8% other	Comments: Intervention arm girls reported	communication with their mothers at posttest and follow-up (p<0.05), and also
	Other baseline: NR	less intention to drink as adults at pre-test.	reported greater improvement than control girls over time (p<0.05). Compared to
			control girls, at posttest and follow-up, intervention girls reported more parental rules
	Intervention details	<u>Attrition</u>	against drinking (p<0.05), greater parental monitoring of their out-of-home activities
	Name: NR	Number of participants completing study:	(p<0.01), improved family conflict management skills (p<0.05), and improved alcohol
	Focus/aim: To enhance the quality of girls'	199 (99%)	use-refusal skills (p<0.05). Intervention girls also showed greater improvements on
	relationships with their mothers and teach	Reasons for non-completion: NR	these outcomes over time.
	girls cognitive-behavioural skills to avoid		
	underage drinking		There was no significant difference between in the intervention and control group
	Programme type: Underage drinking		based on mothers' reports of mother-daughter communication or parental
	prevention		monitoring, but intervention mothers were more likely to have parental rules against
	Theoretical base: Family interaction theory		underage drinking (p<0.05).
	Key components: Computer-mediated		
	intervention modules on: parent-child		Health and social outcomes related to alcohol and sexual health
	communication; interpersonal relationships;		Girls in the intervention arm reported less alcohol consumption than control girls in
	respect; conflict management; negotiating		the past week (p<0.01), month (p<0.05), and year (p<0.01).
	arguments; media portrayals of drinking;		
	peer norms of underage drinking; and		
	alcohol use-refusal skills		
	Providers/delivers: CD-ROM		
	Length, duration, intensity: 14 modules, 4-		
	5 modules/week for 3 weeks		
	Other details: NA		
	Comparator: Wait list control		

Study details	Intervention and population details	Analyses	Results	
Spoth et al., (1999)	Population details	Process details	Knowledge and understanding	
	<b>Inclusion</b> : Families of 6 <sup>th</sup> graders enrolled at 33	Data collection method(s):	Not reported	
RCT (cluster) +	rural schools in 19 contiguous counties. School	Questionnaire/Survey		
	selection based on school lunch programme	Statistical method(s) used to analyse	Attitudes and values	
Objective: To examine the long	eligibility and community size (<8,500).	data: ANOVA; t-test	Not reported	
term effects of the Iowa	Exclusion: NR	Unit of allocation: School		
Strengthening Families Program on	Total n= 446 families	Unit of analysis: Group	Personal and social skills	
alcohol initiation outcomes	Intervention, n= 238 families (53%)	Time to follow-up: 1 and 2 years	Not reported	
	Comparator, n= 208 families (47%)			
Setting: Family	<b>Male</b> n (%) = 214 (48%)	Other details: NA	Health and social outcomes related	to alcohol and sexual health
	Mean age (range): NR		Intervention group participants showe	d lower rates of initiation on each of
Country: USA	Ethnicity: NR	Baseline comparability	the three alcohol ever-use measures a	
_	Other baseline: NA	Groups balanced at baseline: Yes	relative to the control group. For each	measure the percentage difference in
Funding source: National Institute		Comments: No significant differences	new users was larger at the 2-year fol	low up than at the 1-year follow up.
on Drug Abuse; National Institute of	Intervention details	between groups		
Mental Health	Name: Iowa Strengthening Families Program (ISFP)		% ever used alcohol	
	Focus/aim: Targets the enhancement of family	<u>Attrition</u>	Users, 1-yr follow-up: 26.7; 36.1	Users, 2-yr follow-up: 35.3; 56.0
	protective processes, along with family risk	Number of participants completing study:	New users, 1-yr follow-up: 16.3;	New users, 2-yr follow-up: 26.1;
	reduction.	PT, n= 374 (84%); 1-year, n= 317 (71%); 2-	23.8	47.5
	Programme type: Substance use prevention	years, n= 294 (66%)	Relative reduction (vs. control):	Relative reduction (vs. control):
	Theoretical base: Biopsychosocial model	Reasons for non-completion: NR	31.5 45.1	
	Key components: Youth and parent skills-building	-	% ever used alcohol without permission	
	curriculum and joint parent and child, family		Users 1-yr follow-up: 8.7; 20.0	Users, 2-yr follow-up:19.0; 41.8
	curriculum sessions. Parents taught effective means		New users 1-yr follow-up: 6.4; 16.2	New users, 2-yr follow-up: 17.3;
	of clarifying expectations based on child			39.3
	development norms, using appropriate disciplinary		Relative reduction (vs. control):	Relative reduction (vs. control):
	practices, managing strong emotions concerning		60.5	56.0
	their child and effectively communicating with their		% Ever been drunk	
	child. Children learn additional skills for dealing with		Users, 1-yr follow-up: 6.8; 9.0	Users, 2-yr follow-up: 9.8; 19.1
	peer pressure and other personal and social		New users, 1-yr follow-up: 5.1; 7.2	New users, 2-yr follow-up: 8.0;
	interaction skills. Engagement in activities to			18.0
	increase family cohesiveness and positive		Relative reduction (vs. control):	Relative reduction (vs. control):
	involvement of the child in the family.		29.2	55.6
	Providers/delivers: NR			
	Length, duration, intensity: 7 sessions over 7		(ISFP, 1-yr n=161; 2-yr n=153; PDF)	Y, 1-yr n=155; 2-yr n=141)
	consecutive weeks, 2 hours			
	Other details: Programme content was provided by		Relative reduction amongst intervention	on students who attended more than
	video.		half of the intervention sessions was h	nigher than the intervention group as a
	Comparator: Minimal contact		whole after 1-year, but differences at 2	2-years were minimal

Study details	Intervention and population details	Analyses	Results
Spoth et al., (2001; 2004)	Population details	Process details	Knowledge and understanding
	<b>Inclusion</b> : Families of 6 <sup>th</sup> graders enrolled in 33 rural	Data collection method(s):	Not reported
RCT (cluster) +	schools in 19 contiguous counties. Schools were	Questionnaire/Survey	
	selected on the basis of school lunch programme	Statistical method(s) used to analyse	Attitudes and values
Objective: To evaluate the effects of	eligibility (15% or more of district families eligible for	data: Multilevel ANCOVA; z tests; logistic	Not reported
two family interventions on the	free or reduced-cost lunches)	growth curve analyses	
trajectories of substance initiation	Exclusion: NR	Unit of allocation: School	Personal and social skills
	Total n= 667 families	Unit of analysis: Group	Not reported
Setting: Family	Intervention, (1) ISFP n= 238 families; (2) PDFY n=	Time to follow-up: 4 years; 6 years	
	221 families		Health and social outcomes related to alcohol and sexual health
Country: USA	Comparator, n= 208 families	Other details:	Substance use initiation in 10 <sup>th</sup> grade: new user proportions were
	<b>Male</b> n (%) = NR		significantly lower for adolescents in the ISFP condition than for control
Funding source: National Institute	Mean age (range): 6th grade	Baseline comparability	group adolescents for: ever having drank alcohol (relative reduction [RR]
of Drug Abuse; National Institute of	Ethnicity: 98% White	Groups balanced at baseline: Yes	26.4%; p<0.01); ever drank without parent permission (RR 32.0%; p<0.01);
Mental Health	Other baseline: NA	Comments: NR	and ever been drunk (RR 40.1%; p<0.01). New user proportions were also
	Intervention details		lower among PDFY adolescents than control adolescents but these
	Name: (1) Iowa Strengthening Families Program	<u>Attrition</u>	differences were not statistically significant.
	(ISFP); (2) Preparing for the Drug Free Years (PDFY)	Number of participants completing	Lifetime substance use behaviours (%): PDFY; ISFP; control
	Focus/aim: (1) To enhance family protective and	<b>study</b> : 4-years, n= 447 (67%); 6-years, n=	Ever drank alcohol: 60%; 50%; 68%
	resiliency processes and to reduce family-based risk	304 (46%)	Ever drank without parent permission: 51%; 40%; 59%
	factors associated with child behaviour problems; (2)	Reasons for non-completion: excluded	Ever been drunk: 36%; 26%; 44%
	To enhance protective parent-child interactions and	schools where data was only available	
	to reduce family-based risk factors for early	from 5 or fewer students	Analysis of rates of substance use increases showed that control group
	substance use initiation.		new user proportions increased at a significantly greater rate than ISFP
	Programme type: Substance abuse prevention		new user proportions for alcohol use and drunkenness (both p<0.01), and
	Theoretical base: (1) biopsychosocial model; (2)		PDFY new user proportions for drunkenness (p<0.05). Analysis of past
	social development model		month alcohol use found significant differences between both the PDFY
	Key components: (1) Children and parents attended		and ISFP groups in comparison to controls (RR 41% and 30%,
	each session. Parents taught to clarify expectations,		respectively; p not reported). In addition, both PDFY and ISFP adolescents
	use appropriate disciplinary practices, manage strong		reported a significantly lower past month frequency of drinking compared
	emotions regarding child, and effectively		to controls (effect size= 0.28 and 0.26, respectively, both p<0.05), and
	communicate with their child. Child session include		significantly lower alcohol composite use index scores for both the ISFP
	peer resistance and peer relationship training.		and PDFY groups at the 10 <sup>th</sup> grade follow-up, relative to the control group
	Engagement in activities designed to increase family		(p<0.01 and p<0.05, respectively).
	cohesiveness and positive involvement of the child in		At the 12 <sup>th</sup> grade follow-up, the analyses indicated slower overall growth in
	the family. (2) Four parent-only sessions, children		lifetime use of alcohol among adolescents in ISFP condition relative to
	attend one session with their parents. Parents		controls (p<0.05) in relation to controls. Initiation of alcohol use without
	instructed on risk factors for substance abuse,		parental permission and drunkenness showed significantly delayed growth
	developing clear guidelines on substance-related		rates to specific use levels. PDFY effects were only shown on cigarette
	behaviours, enhancing parent-child bonding,		use.
	<u> </u>	<u> </u>	1

PSHE Community review

monitoring compliance with their guidelines and providing appropriate consequences, managing anger and family conflict, and enhancing positive child involvement in family tasks. Children are instructed on peer resistance skills.

Providers/delivers: NR

Length, duration, intensity:
(1) Seven sessions once a week for seven consecutive weeks; (2) 5 sessions conducted once per week for 5 weeks.

Other details: Programme content was provided by

Comparator: Received four leaflets describing

adolescent development

Study details	Intervention and population details	Analyses	Results
Stevens et al., (2002)	Population details	Process details	Knowledge and understanding
	Inclusion: Families with fifth and sixth grade children in 12	Data collection method(s):	NR
RCT (cluster) +	paediatric primary care practices	Questionnaire/Survey	
	Exclusion: NR	Statistical method(s) used to analyse	Attitudes and values
Objective: To compare the	<b>Total</b> n= 3111	data: Logistic regression analysis	NR
effects of two interventions	Intervention, n= 1780	Unit of allocation: School - Practice pairs	
delivered through paediatric	Comparator, n= 1331	Unit of analysis: Organisation/institution	Personal and social skills
primary care practices, which	<b>Male</b> n (%) = I 50%/C 54%	Time to follow-up: 12-, 24- and 36-months	NR
sought to prevent early drinking	Mean age (range): mean (SD): I-11.0 (0.9)/ C-11.0 (0.8)		
and smoking or to influence	Ethnicity: NR	Other details: Paediatricians and nurse	Health and social outcomes related to alcohol and sexual health
bicycle helmet use, gun	Other baseline: ~40% of responding parents had drinking	practitioners received training and ongoing	There was no difference in children's drinking between the alcohol and
storage and seatbelt safety	problem	support during implementation of the	tobacco group and safety group at the 12-month follow-up. At 24- and
among children in 5th/6th		programme	36-months, there was a moderate increase in children's drinking among
grade.	Intervention details		all children who received the alcohol intervention (24 months: OR 1.27;
	Name: Dartmouth Prevention Project	Baseline comparability	95% CI 1.03, 1.55; 36 months: OR 1.30; 95% CI 1.07, 1.57).
Setting: Community -	Focus/aim: Promote family communication and prevent	Groups balanced at baseline: Yes	
Paediatric primary care offices	high-risk behaviours	Comments: None	
	Programme type: risk-reduction programme		
Country: USA	Theoretical base: NR	<u>Attrition</u>	
	Key components: Engaging child and parent in a joint	Number of participants completing study:	
Funding source: National	discussion and encouraging communication about alcohol	NR	
Institute of Alcohol and Alcohol	and tobacco use. Child, parent and clinician signed a	Reasons for non-completion: NR	
Abuse	contract that the family would talk about the risks at home		
	and develop a family policy. Print materials (clinician's letter,		
	newsletter) mailed to families. Families also received a		
	biannual telephone call and incentives.		
	Providers/delivers: Paediatricians and nurse practitioners		
	Length, duration, intensity: Over 36 months; 12		
	newsletters		
	Other details:		
	Comparator: Discussions centred on bicycle helmet,		
	seatbelt use or gun storage		

Study details	Intervention and population details	Analyses	Results
Toomey et al., (1996)	Population details	Process details	Knowledge and understanding
	Inclusion: Parents from Project	Data collection method(s):	NR
RCT (cluster) -	Northland cohort who returned the	Questionnaire/Survey	
	postcards from the booklets	Statistical method(s) used to	Attitudes and values
Objective: Alcohol prevention	Exclusion: NR	analyse data: ANCOVA	Parents attitudes and behaviours at follow up 1
for parents of 7th graders.	Total n= 1,028 youth; n=521 parents	Unit of allocation: Individual	(C-control (%); I-intervention (%); F value; P value) (*<0.05, **<0.01, ***<0.001)
Amazing Alternatives! Home	Intervention, n= 257 parents (49%)	Unit of analysis: Group	Not OK for 18-20 year olds to drink (1=agree, 0=disagree): 58; 64; 0.90; ns
Program - a component of	Comparator, n= 264 parents (51%)	Time to follow-up: PT and >1 year	will not allow teens to drink when senior (1=agree, 0=disagree): 97; 96; 0.78; ns
Project Northland	<b>Male</b> n (%) = NR		Family rules against drinking: 96; 99; 3.13; ns
	Mean age (range): Grade 7	Other details: NR	How many parents of your child's friends do you know? (1=none-5=nearly all): 3.36; 3.44; 0.59; ns
Setting: Parent, home-based	Ethnicity: Primarily white		How often do you contact other parents about alcohol-related situations? (1=always, 0=less often): 16;
	Other baseline: NR	Baseline comparability	23; 3.46; ns
Country: USA		Groups balanced at baseline: No	Special rules or systems for unsupervised periods (1=yes, 0=no): 77; 82; 1.36; ns
	Intervention details	Comments: Non-participants	Check parties for adult supervision (1=always, 0=less often): 82; 90; 0.52; ns
Funding source: National	Name: Amazing Alternatives! Home	demonstrated greater elevations on	Always monitor teen's whereabouts (1=always, 0=less often): 87; 87; 0.01; ns
Institute on Alcohol Abuse and	Program	scales measuring psychosocial risk	
Alcoholism	Focus/aim: To improve	factors of adolescent drinking	Student attitude reports at follow up 1 and 2
	communication between parents and		follow up 1 & follow up 2 (C-control (%); I-intervention (%); F value; P value: *<0.05, **<0.01,
	their children concerning alcohol-	<u>Attrition</u>	***<0.001)
	related issues, to improve parenting	Number of participants completing	Family rules against youth drinking (1=yes, 0=no): (FU167; .79; 15. 98;**): (FU274; .75; 0.32; ns)
	skills like monitoring and to reduce	study: students - 83%; parents -	Talked about consequences if caught drinking (1=yes, 0=no): (FU165; .73; 0.64;*): (FU265; .68;
	underage drinking.	>90%	0.45; ns)
	Programme type: Alcohol prevention	Reasons for non-completion: NR	My parents will allow me to drink when I am a high school senior (1=yes, 0=no): (FU165; .68; 0.13;
	programme		ns): (FU267; .69; 0.15; ns)
	Theoretical base: NR		Parents' rules as a reason not to use alcohol (1=not important-5=very important): (FU1-3.84; 4.08;
	Key components: Booklets, two		6.10;*): (FU2-3.82; 3.74; 0.95; ns)
	focus groups with parents		
	Providers/delivers: Booklets		Adjusted analysis students' alcohol use intentions (1=likely not, 5=likely would)
	Length, duration, intensity: Four		21 or older: (FU1-3.04; 2.98; 0.38; ns): (FU2-3.12; 3.29; 2.20; ns)
	booklets		Next year: (FU1-1.78; 1.68; 1.49; ns): (FU2-2.28; 2.21; 0.33; ns)
	Other details: NR		next month: (FU1-1.59; 1.55; 0.26; ns): (FU2-2.00; 1.98; 0.02; ns)
	Comparator: No intervention		Next week: (FU1-1.53; 1.46; 0.83; ns): )FU2-1.86; 1.84; 0.06; ns)
			Personal and social skills
			Student surveys (n=1028)
			(C-control (%); I-intervention (%); F value; p-value) (*<0.05, **<0.01, ***<0.001)
			Had discussions about
			Family rules about alcohol: .00; 87; 2204; ***
			Consequences for breaking rules: .43; 55; 12.02; **
			Problems could have with alcohol use: .48; .56; 4.93; *
		1	27 27 27 27 27 27 27 27 27 27 27 27 27 2

He to find a contribute 70, 70, 000 as
Having friends over to house:.79; .79; 0.06; ns
Alcohol messages in the mass media: .27; .34; 3.60; ns
Good eating habits: .51; .56;1.80;ns
Sex education: .44; .48; .80; ns
Parent survey (n=521)
Had discussion about
Consequences if caught drinking: .76; .87; 5.55; *
Alcohol-related situations: .83; .94; 14.04;**
Alcohol messages in the mass media: .77; .90; 10.75; **
Encourage child and friends to gather at home: .72; .81; 5.76;*
Health and social outcomes related to alcohol and sexual health
Adjusted analysis students' alcohol use (1=ever, 0=never)
Non-participant; participant; F; p-value) (*<0.05, **<0.01, ***<0.001)
Lifetime: (FU160; .56; 2.17; ns): (FU261;.61;.97; ns)
Past Year: (FU137; .34; 1.13; ns): (FU243; .43; .93; ns)
Past Month: (FU112; .12; .03; ns): (.12; .09; .93; ns)

## 1.4 Programmes involving the wider community or mass media

Study details	Intervention and population details	Analyses	Results
Cheadle et al., (1995)	Population details	Process details	Knowledge and understanding
	Inclusion: Community selected for funding	Data collection method(s): Questionnaire/Survey, see	NR
CBA +	because of special merit; sampling frame for the	other details	
	survey consisted of 9th and 12 <sup>th</sup> graders in public	Statistical method(s) used to analyse data: Logistic	Attitudes and values
Objective: To examine the	and private schools where at least 50% of enrolled	regression analysis. Grade- and sex-adjusted means	NR
effectiveness of a 5-year	students resided in the community as defined by	for each of the eight groups were computed for	
community-based health	the program.	variables measuring exposure to health promotion	Personal and social skills
promotion program to reduce	Exclusion: NA	programs and substance use behaviours. A measure of	NR
the rate of substance use,	Total n= 6 communities	relative change was created by dividing the absolute	
particularly alcohol, by	Intervention, n= 1 community	change over the 4-year period by the baseline value.	Health and social outcomes related to alcohol and sexual health
adolescents on a Plains State	Comparator, n= 5 communities	Unit of allocation: Area - Reservation	For three of the four alcohol use variables, except age at first use), the
American Indian reservation.	<b>Male</b> n (%) = NR	Unit of analysis: NR	absolute declines in use were greater among reservation American
	Mean age (range): 9th and 12th grade	Time to follow-up: Annual surveys over 3 years	Indians than the overall average, with the relative declines either
Setting: Community -	Ethnicity: NR but included American Indian,		comparable or somewhat larger than that of other groups (15.9%
American Indian reservation	White, Hispanic and Asian	Other details: School-based surveys of 9th and 12th	absolute decline in binge drinking among reservation American Indians
	Other baseline:	grade adolescents	vs. 8.0% overall). However, a test for time trends found no significant
Country: USA			differences between reservation American Indians and other groups on
	Intervention details	Baseline comparability	alcohol use measures.
Funding source: Kaiser	Name: Unnamed	Groups balanced at baseline: NR	
Foundation	Focus/aim: To reduce the rate of alcohol and drug	Comments: NR	
	use among youth ages 21 and younger.		
	Programme type: Multicomponent	<u>Attrition</u>	
	Theoretical base: NR	Number of participants completing study: NA,	
	Key components: Classes, skills development	cross-sectional	
	programs, alcohol- and drug-free events, and	Reasons for non-completion: NA	
	public campaigns.		
	Providers/delivers: Various		
	Length, duration, intensity: Three years		
	Other details:		
	Comparator: Five nonurban control communities		

Study details	Intervention and population details	Analyses	Results
Flynn et al., (2006)	Population details	Process details	Knowledge and understanding
	Inclusion: Rural Media Area school districts	Data collection method(s): Questionnaire/Survey	NR
CBA +	were selected based on contiguity and	Statistical method(s) used to analyse data:	
	demographic similarity.	Mixed models; general linear (continuous),	Attitudes and values
Objective: To test the impact	Exclusion:	generalized linear (dichotomous)	No significant media impact was detected on mediators of alcohol use.
of a 4-year media campaign	Total n= 16 school districts	Unit of allocation: Area - School districts	Positive expectations about consequences of drinking alcohol declined and
designed to reduce alcohol use	Intervention, n= 8 districts	Unit of analysis: Community/environment	negative expectations increased; perceived prevalence of youth alcohol use
by early adolescents.	Comparator, n= 8 districts	Time to follow-up: Annual surveys	and perceived parental and peer approval of alcohol use declined; and
	<b>Male</b> n (%) = NA		confidence in refusing an alcoholic beverage and the perceived difficulty of
Setting: Community -	Mean age (range): Grade 7-8	Other details: Prior to each of the four annual	obtaining alcoholic beverages from social sources increased in both areas.
Mass media	Ethnicity: NR	campaigns, independent producers developed	
	Other baseline: NR	concepts for 30- and 60-second messages.	Personal and social skills
Country: USA		Concepts were rated for coverage of objectives and	NR
	Intervention details	potential appeal to youth by an expert panel.	
Funding source: National	Name: Unnamed		Health and social outcomes related to alcohol and sexual health
Institute on Alcohol Abuse and	Focus/aim: Reduce demand for alcohol among	Baseline comparability	The prevalence of beer drinking decreased in both the Media and
Alcoholism	early adolescents by changing specific	Groups balanced at baseline: Yes	Comparison Areas, from 27.7% to 18.3% and 31.2% to 19.8%, respectively.
	mediators of alcohol use.	Comments: Participants were evenly distributed by	There was no significant difference in the decline between the two areas.
	Programme type: Mass media	gender, grade, and study area in both surveys.	
	Theoretical base: Social cognitive theory		
	Key components: Television and radio	<u>Attrition</u>	
	messages directed to youth as they matured	Number of participants completing study: 2,897	
	from Grades 4-5 into Grades 7-8; radio	grade 7-8 (97); 2,419 Grade 7-8 (01)	
	messages directed toward their parents; training	Reasons for non-completion: NA	
	video for retail clerks		
	Providers/delivers: Television and radio		
	Length, duration, intensity: 32 television and		
	23 radio messages over 4 yrs		
	Other details:		
	Comparator: No intervention		
		<u> </u>	

Country: New Zealand  Intervention details Name: 'Think before you buy under-18s drink' campaign Funding source: Alcohol Advisory Council  Focusiam: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR  Key components: local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months  Other details:    Intervention details   Name: 'Think before you buy under-18s drink' campaign for observable of the comparison community, but this difference was also not significant (Comments: NR    Attrition   Number of participants completing study: n=474 (62%) completed both surveys   Reasons for non-completion: NR	Study details	Intervention and population details	Analyses	Results
Cobjective: To evaluate 'Think before you buy under-18s drink', a campaign to reduce alcohol-related harm by discouraging inpapropriate supply of alcohol by adults.  Setting: Community - specify Mass media  Country: New Zealand  Intervention details Avisory Council  Advisory Council  Avisory Co	Kypri et al., (2005)	Population details	Process details	Knowledge and understanding
Exclusion: Total in 872   Mittudes and values   Statistical method(s) used to analyse data. Multiple logistic regression. In 874   Mittudes and values   Nik   Nik   Nik   Mittudes and values   Nik   Nik   Nik   Nik   Mittudes and values   Nik   Nik   Nik   Mittudes   Nik   Nik   Nik   Mittudes   Nik   Nik   Nik   Mittudes   Nik   Nik   Nik   Mittudes   Nik   Nik   Mittudes   Nik   Ni		Inclusion: Residents (years 11-13 and their parents) of a	Data collection method(s):	NR
Dobjective: To evaluate Think before you buy under-18s drink; a campaign to reduce alcohol-related harm by discouraging impapropriate supply of alcohol by adults.	CBA +	medium-sized town and a surrounding rural area	Questionnaire/Survey	
Intervention, n= 319; 295 Comparator, n= 259 Malen n (%) = 46% Man age (range): mean 16.8 yrs (SD 0.9 yrs) Ethnicity: New Zealand European (82%), Maori (8%), Samoan (1%), Chinese (1%) and Other (9%) Other baseline: 94% had ever consumed a full glass of alcohol-y elaker feared and recent binge episode  Country: New Zealand Funding source: Alcohol Advisory Council  Intervention details Name: "Think before you buy under-18s drink' campaign Focusiam: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenagers for unsupervised consumption. Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements, the distribution of printed material and the presentation of campaign information at point of sale. Providers/delivers: Media Length, duration, intensity: 1 and a half months  Intervention intervention, n= 319; 295 Comparator, n= 258 Male n (%) = 46% Man age (range): mean 16.8 yrs (SD 0.9 yrs) Ethnicity: New Zealand Unit of allocation: Area - town and surrounding rural area on surrounding rural area on surrounding rural area on the follow-up: Post-test Unit of allocation: Area - town and surrounding rural area on the follow-up: Post-test Unit of allocation: Area - town and surrounding rural area on the follow-up: Post-test Unit of allocation: Area - town and surrounding rural area on the follow-up: Post-test Unit of allocation: Area - town and surrounding rural area on the follow-up: Post-test Unit of allocation: Area - town and surrounding rural area on the follow-up: Post-test Unit of allocation: Area - town and surrounding rural area on the lightle for inclusion in the nearlyses: Individual Time to follow-up: Post-test Unit of allocation: Area - town and surrounding rural area on the dillighted from the leaf to follow-up: P		Exclusion:	Statistical method(s) used to analyse	Attitudes and values
dirik', a campaign to reduce alcohol-related harm by discouraging inappropriate supply of alcohol by adults.  Setting: Community - specify Mass media  Country: New Zealand European (62%), Maori (9%)  Setting: Community - specify Mass media  Country: New Zealand European (62%), Maori (9%)  Funding source: Alcohol Advisory Council  Advisory Council  Time to follow-up: Post-test  Country: New Zealand European (62%), Maori (9%)  Samoan (19%), Chinese of (19%) and Other (9%)  Other baseline: 94% had ever consumed a full glass of alcohol; 49% reported a recent binge episode  Intervention details  Name: Think before you buy under-18s drink' campaign Focusdaim: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; 22) encourage a change of atitude such that a teenager sparent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR  Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billiboard advertisements, include a temperature of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:  Other details: Students who were >18 the follow-up: Post-test  Other details: Students who were >18 the analyses and tollow-up: Post-test  Other details: Students who were >18 the analyses and tollow-up: Post-test  Other details: Students who were >18 the analyses and tollow-up: Post-test  Other details: Students who were >18 the analyses and tollow-up: Post-test  Other details: Students who were >18 the analyses and tollow-up: Post-test  Other details: Students who were >18 the analyses and tollow-up: Post-test  Other details: Students who were >18 the analyses and tollow-up: Post-test  Other details: Students who were >18 the analyses and tollow-up: Post-	Objective: To evaluate 'Think	<b>Total</b> n= 872	data: Multiple logistic regression.	NR
alcohol-related harm by discouraging inappropriate supply of lacohol by adults.	before you buy under-18s	Intervention, n= 319; 295	Unit of allocation: Area - town and	
discouraging inappropriate supply of alcohol by adults.  Setting: Community - specify Mass media  Country: New Zealand  Intervention details  Funding source: Alcohol  Advisory Council  Mean age (range): mean 16.6 yrs (SD 0.9 yrs)  Setting: Community - specify Mass media  Country: New Zealand  Intervention details  Name: Think before you buy under-18s drink' campaign Focus/aim: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenager drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local readio and print media interviews with community workers; media events, billboard advertisements, toolar adio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details: Students who were >18 years at follow-up: Post-test  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who we	drink', a campaign to reduce	Comparator, n= 258	surrounding rural area	Personal and social skills
Supply of alcohol by adults.  Setting: Community - specify Mass media  Country: New Zealand  Country: New Zealand  Country: New Zealand  Intervention details Name: Think before you buy under-18s drink' campaign Focus/aim: (1) increase the knowledge of adults of the enagers of attitude such that a teenage of adults of the tenagers for unsupervised consumption.  Programme type: Mass media  Theoretical base: NR  Key components: local radio and print media interviews with community workers; media events, billboard advertisements, local radio and print media interviews with community workers; media events, billboard advertisements, local radio and print media interviews with community workers; media events, billboard advertisements, local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  by a dark teenagers in the two intervention communities had lower odd of being supplied alcohol for unsupervised drinking at baseline and potential confounding variables) showed that teenagers in the two intervention community, but this difference was not statistically  Groups balanced at baseline: NR  Comments: NR  Comments: NR  Attrition  Number of participants completing study: m=474 (62%) completed both surveys  Reasons for non-completion: NR  Health and social outcomes related to alcohol and sexual health  A multivariate logistic regression analysis (with adjustment for unsupervised drinking at baseline and observed of being supplied alcohol for unsupervised drinking at baseline and potential confou	alcohol-related harm by	Male n (%) = 46%	Unit of analysis: Individual	NR
Samoan (1%), Chinese (1%) and Other (9%)  Other baseline: 94% had ever consumed a full glass of alcohol; 49% reported a recent binge episode  Country: New Zealand  Country: New Zealand  Intervention details Name: Think before you buy under-18s drink' campaign Focus/aim: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local radio and print media interviews with community workers; media events, billiboard advertisements; local radio and print media interviews with community workers; media events, billiboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months  Other baseline: 94% had ever consumed a full glass of alcohol; and print media interviews with community workers; media events, billiboard advertisements; local radio and print media interviews with community workers; media events, billiboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusion in the analyses  Other details: Students who were >18 years at follow-up were not eligible for inclusio	discouraging inappropriate	Mean age (range): mean 16.6 yrs (SD 0.9 yrs)	Time to follow-up: Post-test	
Setting: Community - specify Mass media  Country: New Zealand  Intervention details Name: Think before you buy under-18s drink' campaign Focusiam: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentiage of adults who supply alcohol to teenagers for unsupervised drinking, relative to teenagers in the two intervention communities had lower odd of being supplied alcohol for unsupervised drinking, relative to teenagers in the two intervention communities had lower odd of being supplied alcohol for unsupervised drinking, relative to teenagers in the two intervention communities had lower odd of being supplied alcohol for unsupervised drinking, relative to teenagers in the two intervention communities had lower odd of being supplied alcohol for unsupervised drinking, relative to teenagers in the two interventions of being supplied alcohol for unsupervised drinking, relative to teenagers in the two interventions of being supplied alcohol for unsupervised of nicusion in the analyses  Baseline comparability Groups balanced at baseline: NR Comments: NR  Matrition Number of participants completing study: n=474 (62%) completed both surveys Reasons for non-completion: NR  Forgramme type: Mass media Theoretical base: NR  Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months  Other details:	supply of alcohol by adults.	Ethnicity: New Zealand European (82%), Maori (8%),		Health and social outcomes related to alcohol and sexual health
alcohol; 49% reported a recent binge episode  Country: New Zealand  Intervention details  Name: Think before you buy under-18s drink' campaign  Fous/aim: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR  Key components: local radio and print media interviews with community workers; media events, billboard advertisements, local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months  Other details:  Intervention details  Name: Think before you buy under-18s drink' campaign Focus/aim: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers (2) encourage a change of adults who surges in the two intervention communities had lower ode of being supplied alcohol for unsupervised drinking, relative to teenagers in the two intervention communities had lower ode of being supplied alcohol for unsupervised dirichol for unsupervised drinking, relative to teenagers in the two intervention communities had lower ode of being supplied alcohol for unsupervised dirichol for unsupervised community.  Attrition  Number of participants completing showed that teenagers in the two intervention community to the distribution of pount of ab		Samoan (1%), Chinese (1%) and Other (9%)	Other details: Students who were >18	A multivariate logistic regression analysis (with adjustment for
Country: New Zealand  Intervention details Name: 'Think before you buy under-18s drink' campaign Funding source: Alcohol Advisory Council  Focus/aim: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:  Of being supplied alcohol for unsupervised drinking, relative to teenagers the the comparison community, but this difference was not statistically Sromps balanced at baseline: NR Comments: NR Comment	Setting: Community - specify	Other baseline: 94% had ever consumed a full glass of	years at follow-up were not eligible for	unsupervised drinking at baseline and potential confounding variables)
Country: New Zealand   Intervention details   Name: Think before you buy under-18s drink' campaign   Focus/aim: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR  Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months  Other details:    Intervention details   Name: Think before you buy under-48s drink' campaign for public the risks of supply alcohol to teenagers of adults of the risks of supplying alcohol to teenagers (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking study: n=474 (62%) completed both surveys reasons for non-completion: NR    Attrition   Number of participants completing study: n=474 (62%) completed both surveys   Reasons for non-completion: NR    Reasons for non-completion: NR   Providers/delivers: Media   Length, duration, intensity: 1 and a half months   Length   Le	Mass media	alcohol; 49% reported a recent binge episode	inclusion in the analyses	showed that teenagers in the two intervention communities had lower odds
Funding source: Alcohol Advisory Council Funding source: Alcohol Advisory Council  Name: 'Think before you buy under-18s drink' campaign Focus/aim: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:  Groups balanced at baseline: NR Comments: NR  Attrition Number of participants completing study: n=474 (62%) completed both surveys Reasons for non-completion: NR  Forum table (CR 0.73; 95% CI 0.43, 1.25). Teenagers in the two intervention communities had higher odds of being binge drinkers relative to teenagers in the two intervention communities had higher odds of being binge drinkers relative to teenagers in the two intervention communities had higher odds of being binge drinkers relative to teenagers in the two intervention community. With this difference was also not significant (OR 0.73; 95% CI 0.43, 1.25). Teenagers in the two intervention community, by the community by the displacements and higher odds of being binge drinkers relative to teenagers in the two intervention community. With this difference was also not significant (OR 0.73; 95% CI 0.43, 1.25). Teenagers in the two intervention community. With the comparison community, by the comparison community. (OR 1.28; 95% CI 0.65, 2.50).				of being supplied alcohol for unsupervised drinking, relative to teenagers in
Fous/aim: (1) increase the knowledge of adults of the risks of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR  Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:  Comments: NR  Attrition Number of participants completing study: n=474 (62%) completed both surveys Reasons for non-completion: NR  Comments: NR  Comments: NR  Communities had higher odds of being binge drinkers relative to teenagers in the comparison community, but this difference was also not significant attrition Number of participants completing study: n=474 (62%) completed both surveys Reasons for non-completion: NR  Programme type: Mass media Theoretical base: NR  Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:	Country: New Zealand	Intervention details	Baseline comparability	the comparison community, but this difference was not statistically
Advisory Council  of supplying alcohol to teenagers; (2) encourage a change of attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:  Attrition Number of participants completing study: n=474 (62%) completed both surveys Reasons for non-completion: NR  Reasons for non-completion: NR		Name: 'Think before you buy under-18s drink' campaign	Groups balanced at baseline: NR	significant (OR 0.73; 95% CI 0.43, 1.25). Teenagers in the two intervention
attitude such that a teenager's parent is considered the only appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:  Attrition Number of participants completing study: n=474 (62%) completed both surveys Reasons for non-completion: NR  Propriate of participants completing study: n=474 (62%) completed both surveys Reasons for non-completion: NR  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:	Funding source: Alcohol	Focus/aim: (1) increase the knowledge of adults of the risks	Comments: NR	communities had higher odds of being binge drinkers relative to teenagers
appropriate supplier of alcohol, and that teenage drinking should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:  Number of participants completing study: n=474 (62%) completed both surveys Reasons for non-completion: NR	Advisory Council	of supplying alcohol to teenagers; (2) encourage a change of		in the comparison community, but this difference was also not significant
should occur only under adult supervision; and (3) a reduction in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:  study: n=474 (62%) completed both surveys Reasons for non-completion: NR  Theoretical base: NR NR  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		attitude such that a teenager's parent is considered the only	<u>Attrition</u>	(OR 1.28; 95% CI 0.65, 2.50).
in the percentage of adults who supply alcohol to teenagers for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		appropriate supplier of alcohol, and that teenage drinking	Number of participants completing	
for unsupervised consumption.  Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		should occur only under adult supervision; and (3) a reduction	study: n=474 (62%) completed both	
Programme type: Mass media Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale. Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		in the percentage of adults who supply alcohol to teenagers	surveys	
Theoretical base: NR Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		for unsupervised consumption.	Reasons for non-completion: NR	
Key components: local newspaper and radio advertisements; local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		Programme type: Mass media		
local radio and print media interviews with community workers; media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		Theoretical base: NR		
media events, billboard advertisements, the distribution of printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		Key components: local newspaper and radio advertisements;		
printed material and the presentation of campaign information at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		local radio and print media interviews with community workers;		
at point of sale.  Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		media events, billboard advertisements, the distribution of		
Providers/delivers: Media Length, duration, intensity: 1 and a half months Other details:		printed material and the presentation of campaign information		
Length, duration, intensity: 1 and a half months Other details:		at point of sale.		
Other details:		Providers/delivers: Media		
		Length, duration, intensity: 1 and a half months		
Comparator: Non-intervention community		Other details:		
		Comparator: Non-intervention community		

#### 1.5 Published economic evaluation studies

Study details	Research question	Methods of estimation for costs and benefits	Results	Confounders, potential sources of bias and other comments
Spoth et al (2002)	Research question: To evaluate two	Both direct and indirect costs were assessed and	Intervention costs for ISFP and PDFY were \$80,562	No incremental benefit data were
	interventions designed for general	expressed in dollars spent per participant (adjusted	and \$68,903, respectively.	available.
Country/currency:	populations by estimating: (1) the cost	for inflation into 1992 dollar equivalents). Facility		
USA/\$	per case of alcohol-use disorder	costs were not included, and the authors ignored the	Cost-effectiveness: The number of alcohol-use	Information limited on how costs
	prevented; (2) benefit-cost ratios; and	costs of providing informational materials to the	disorder cases prevented per 100 families was	were valued.
CEA/CBA +	(3) net benefits per participating family.	minimal contact control group (\$1.25 per family).	estimated to be 5.53. Dividing this by the cost per 100	
		The authors considered there to be no appreciable	families treated (\$68,856) gave an estimated cost for	
	Population: Families of sixth graders	opportunity costs associated with participation.	each case of alcohol-use disorder prevented in the	
	enrolled in 33 rural schools. School		ISFP group of \$12,459. Corresponding costs for the	
	selection was based on school lunch	For each age, the total number of children who had	PDFY condition for each case of alcohol-use disorder	
	program eligibility and community size	initiated alcohol use was multiplied by the proportion	prevented was \$20,439 (\$55,567/2.72).	
	(<8,500).	of future alcohol-use disorders expected among		
		persons who initiated alcohol use at that age (taken	Cost-benefit: The present value of the total lifetime	
	Intervention: Seven-session Iowa	from Grant & Dawson, 1997). The rate of future	benefit realized by the prevention of a single alcohol-	
	Strengthening Families Program	alcohol-use disorders expected for each condition	use disorder was calculated to be \$119,633. The	
	(ISFP) and the five-session Preparing	was calculated by dividing the number of cases	benefit-cost ratio equalled the benefit per case	
	for the Drug Free Years (PDFY).	expected by the total number of persons assigned to	prevented, divided by the cost per case prevented. For	
		each condition and multiplying by 100 to give the	the ISFP the benefit-cost ratio was 9.60 (i.e. \$ 9.60	
	Perspective: Societal	number of alcohol use disorder cases expected per	was saved for every dollar invested). For PDFY, the	
		100 families treated. To estimate the number of	benefit-cost ratio equalled 5.85.	
		future alcohol-use disorder cases prevented per 100		
		families, the rate for each intervention group was	The net benefit in the ISFP condition was \$5,923 per	
		subtracted from the rate for the control condition.	family (0.0553 cases prevented per family treated x	
			\$119,633 benefit per case prevented - \$689 in	
			intervention costs per family treated). The net benefit	
			in the PDFY condition was \$2,697 per family (0.0272 x	
			\$119,633 - \$556).	

# 2 Programmes targeting sexual health

### 2.1 Systematic reviews and meta-analyses

Study details	Review parameters	Outcomes	Notes
Arnold & Rotheram-Borus (2009)	Inclusion: Programmes that had a HIV	Programmes included: Project STRIVE; Community Reinforcement Approach (Mexico)	Strengths and/or weaknesses
	prevention focus and targeted homeless	Ecologically-based Family Therapy (Mexico); Strengths-based Case Management Street Smart;	of the evidence presented:
Systematic review -	youth. Programmes with sufficient	The AIDS Evaluation of Street Outreach Project (AESOP)	NR
	information available in published or written		
Objective: To compare HIV	form to provide a comprehensive description	All programmes were relatively intensive, in some cases up to 35 sessions (minimum of 5) and	Evidence gaps and/or
prevention programs for young	of the programme and its components.	all programmes supported the notion that homeless youth are in need of intensive and	recommendations for future
homeless people		prolonged help.	research:
	Exclusion: NR		No evidence examining
Databases searched: Medline,		All models were designed as adjuncts to ongoing services, in four cases this was a runaway	homeless adolescent females
PsycInfo and the CRIP database of	Number of studies included: 6	shelter, in SBCM the services were more likely to be delivered by a mental health provider or	who become pregnant
federally-funded programs	programmes identified	social services, and in AESOP it is an outreach arm that can be attached to any type of service.	
Years: Not reported		Across programmes, successful engagement of homeless youth and their families requires an	
·		approach that does not entail assigning blame or re-examining the past. Programmes with	
		demonstrated success in recruiting and retaining youth are present/future-oriented, skill-based	
		interventions aimed at increasing the youth's ability to reduce behaviours that lead to HIV.	
		The key to effective intervention with this challenging population is likely an intensive	
		intervention that amalgamates components being used in the programmes described in this	
		article:	
		Framing the presenting problem, providing information aimed at increasing positive interactions,	
		Building coping skills,	
		Social support or relationship building,	
		Address environmental barriers	

Study details	Review parameters	Outcomes	Notes
DiCenso et al., (2002)	Inclusion: RCTs of adolescents aged 11-18	Initiation of sexual intercourse - 13 studies in 9642 young women showed no delay in initiation of	Strengths and/or weaknesses
	years	sexual intercourse (pooled odds ratio 1.12; 95%Cl 0.96 to 1.30). Results were consistent across	of the evidence presented:
Systematic review ++		studies. 11 studies of 7418 young men also showed no delay in initiation of sexual intercourse	Authors were not able to explain
	Exclusion: Programmes offered in colleges	(0.99, 0.84 to 1.16).	the significant heterogeneity
Objective: Aim to review the	or universities, those that evaluated		among studies that reported use
effectiveness of primary prevention	interventions designed to prevent a second	Birth control - 8 studies of young women showed no improvement in use of birth control at every	of birth control in young women
strategies aimed at delaying sexual	pregnancy, and those that evaluated only	intercourse (0.95; 0.69-1.30). Three studies of school-based sex education in 1505 young men	
intercourse, improving use of birth	knowledge and attitudes. Also those that	looked at whether they always used birth control; programmes were shown to be consistently	Evidence gaps and/or
control and reducing incidence of	measured only condom use because study	ineffective. Results for birth control at last intercourse showed no improvement for both males	recommendations for future
unintended pregnancy in	participants may have been using other	and females.	research:
adolescents.	methods of birth control. Also those studies		Future prevention programmes
	that measured only births as they did not	Pregnancy - 12 studies in 8019 young women showed no reduction in pregnancy rates (1.04;	may need to begin at earlier
	account for abortions.	0.78-1.40). One study (Allen et al., 1997) did find a reduction. However baseline data was higher	ages.
Databases searched: 12		in the control group. For males the effects of interventions reducing pregnancies among the	
databases; e.g. CATLINE, CINAHL,	Number of studies included: 26 trials in 22	partners of men showed an increase in reported pregnancies.	
Embase, Eric, Medline, PsycINFO.	published and unpublished reports		
Years: 1970 to December 2000			

Study details	Review parameters	Outcomes	Notes
Franklin et al., (1997)	Inclusion: Studies of youths aged 11-20	Adolescent pregnancy - Examines outcomes relating to sexual activity, contraceptive use and	Strengths and/or weaknesses
	years. Reported sexual behaviour outcomes.	rates of pregnancy or childbirths.	of the evidence presented:
Systematic review ++			Limited to those studies
	Exclusion: Studies without behavioural	Community-based programmes resulted in increased contraceptive use (ES=0.6062, medium	presenting behavioural
Objective: To analyse using meta-	outcomes	effect) over school-based programmes (ES=0.1195) although both resulted in significant positive	outcomes. Review authors did
analysis studies on the primary		effects. Clinic vs. non-clinical programmes showed greater contraceptive use. Programmes	not contact study authors to
prevention of adolescent pregnancy	Number of studies included: 32 studies	emphasising contraceptive distribution and knowledge building (ES=0.3313) were more effective	collect additional data.
	(NB: 19 studies [59%] conducted before	than programmes emphasising only sex education (ES=0.0638). The no-skills approach seemed	
Databases searched: social	1990)	to be more effective for community-based programmes (ES=0.6196) than for school-based	Evidence gaps and/or
Sciences Index, PsychLIT,		programmes (ES=0.1461).	recommendations for future
Educational Resources Information	Synthesis: Represents a comprehensive		research:
Centre, MEDLINE, CINAHL	effort to evaluate the effectiveness of	For pregnancy rates - community-based programmes (ES=0.2753) were more effective than	they state that it is difficult to find
	primary prevention programmes aimed at	school-based programmes (ES=0.0920).clinic programmes (ES=0.2030) also have larger effect	studies appropriate for a meta
Years: through 1995	junior high and high school teens. Include	sizes than non-clinic programmes (ES=0.0623) and sex education programmes without	analysis
	behavioural outcomes relating to sexual	contraceptive knowledge building (ES=0.0818). In addition, no-skills programmes (ES=0.1798)	
	activity, contraceptive use or pregnancy.	yielded larger effect sizes than skills programmes (ES=0206). However, the clinic-based	
	Provided adequate statistical data needed	programmes seem responsible for this.	
	for a meta-analysis. Three separate meta		
	analyses were conducted for the outcomes	Pregnancy prevention programmes reviewed failed to affect the sexual activity of adolescents.	
		However, they were more successful at affecting contraceptive use and pregnancy rates.	

Study details	Review parameters	Outcomes	Notes
Guyatt et al., (2000)	Inclusion: Studies focusing on adolescents	Randomised controlled trials vs. observational studies.	Strengths and/or weaknesses
	aged 18 years or less. Evaluating sex		of the evidence presented:
Systematic review +	education classes, school-based clinics,	Findings showed a positive intervention effect for initiation of intercourse and trends also	differences in follow-up times
	free-standing clinics, practitioner-based	favoured outcomes for pregnancy, responsible sexual behaviour and birth control use in	could have resulted in different
Objective: To compare the results	services, improved access and community-	observational studies. RCTs were equivocal between intervention and control groups. For	effectiveness
of randomized trials and	based programmes. Reporting on sexual	males, for observational studies, there was a statistically significant positive moderate	
observational studies of	intercourse, birth control use, or pregnancy.	intervention effect for initiation of intercourse and responsible sexual behaviour. RCTs showed	Evidence gaps and/or
interventions to prevent adolescent	Studies were included if they were	non-significant trends in favour of intervention for initiation of intercourse and a weak trend in	recommendations for future
pregnancy	conducted in North America, Australia, New	favour of control in responsible sexual behaviour.	research:
	Zealand, United Kingdom, Europe		Urge caution in interpreting
Databases searched: 11	(excluding Eastern Europe) or Scandinavia.		observation studies and
databases; including CATLINE,	Included published and unpublished studies.		recommend using a stronger
CINAHL, EMBASE, ERIC,	Exclusion: NR		research design.
MEDLINE, PsycINFO			
	Number of studies included: 30 studies		
Years: 1970 to May 1993			

Study details	Review parameters	Outcomes	Notes
Pedlow & Carey (2003)	Inclusion: Studies that used primarily	Many adolescent HIV risk reduction interventions have been effective but are associated with	Strengths and/or weaknesses
	teenage samples (mean age less than or	small effect sizes. The authors highlighted that the most effective studies emphasised a	of the evidence presented:
Systematic review +	equal to 19 years); randomised controlled	theoretical framework, most often Social Cognitive Theory. Interventions with multiple sessions	Attrition sometimes high and no
	trials; reported primary outcome of sexual	or long doses have been no more successful than those with shorter doses.	always reported; lack of
Objective: To provide a review and	risk behaviours; published in peer reviewed		information about control
methodological critique of HIV risk	journal.		conditions
reduction interventions for			
adolescents that employed a	Exclusion: Intervention designed to		Evidence gaps and/or
randomised controlled design and	increase rates of HIV testing, unless they		recommendations for future
measured sexual risk behaviour as	reported specific sexual risk reduction		research:
an outcome variable.	outcomes.		Future studies can better apply
			theory to intervention design
Databases searched: PsycINFO,	Number of studies included: 22 studies		
AIDSLINE, MEDLINE and CINAHL			
Years: Up to September 2000			

Study details	Review parameters	Outcomes	Notes
Robin et al., (2004)	Inclusion: (1) Theoretical basis provided for	Findings relate to studies conducted across a range of settings and age groups.	Strengths and/or weaknesses
	programmes; (2) information about the		of the evidence presented:
Systematic review +	intervention (content, duration, facilitators);	Programmes that produced positive effects:	Authors suggest they may have
	(3) Random assignment, or matched control	Used trained adult facilitators, and two other programmes with positive effects also used	missed studies in their literature
Objective: To review adolescent	groups using a quasi-experimental design	trained peer facilitators.	review and their analysis may
sexual risk-reduction programs that	that matched units through stratification of	2. Included content that was specific to reducing sexual risk behaviour such as refusal of	have omitted important research
were evaluated using quasi-	risk behaviours and demographic variables;	unwanted sex and condom-use skills.	or program design issues
experimental or experimental	(4) More than 16 participants per condition;	3. Commonly employed interactive and participatory educational strategies.	Evidence gaps and/or
methods	(5) Followed participants for at least 4 weeks		recommendations for future
	after the end of the intervention or had		research:
Databases searched:	immediate pre- and post-tests for		Resiliency-based programs
	interventions lasting four months or longer;		should be further explored;
Years: 1990-2000	(6) attrition rates <40% at follow-up; (7)		focusing on appropriate skills,
	reported behavioural and biological		adapting programs for length,
	outcomes or sexual intentions for		being clear about what
	participants aged 13 yrs or younger.		constitutes a given program and
			deciding who should facilitate
	Exclusion: NR		the program should all be
			considered. Researchers should
	Number of studies included: 24 studies; 9		also design studies that will
	studies conducted in schools		clearly reveal which program
			characteristics drive positive
			effects in sexual risk-reduction

Study details	Review parameters	Outcomes	Notes
Sales et al., (2006)	Inclusion: School, community or clinic-	Community studies - reducing frequency of unprotected sexual intercourse was the most	Strengths and/or weaknesses
	based intervention or intervention developed	frequent outcome reported, followed by reducing number of sexual partners and sexual activity.	of the evidence presented:
Systematic review +	for special population, published in peer	The most successful community based interventions were theoretically based, tailored to the	Variability in reporting of
	review journals between 1994 and 2004.	target population, implemented by trained facilitators, and the content was diverse and delivered	programme results made
Objective: To systematically review		using a wide variety of methods.	determining consistency of
and synthesise empirical findings	Exclusion: Studies were excluded if people		effects across studies difficult
from selected adolescent STI/HIV	other than adolescents (age 11-22 years)	For interest - School-based interventions - successful interventions were theoretically based,	
interventions conducted in diverse	were included in the intervention, and they	implemented by trained teachers of health educators, include a variety of skills and knowledge	Evidence gaps and/or
venues, such as in the community,	did not incorporate behavioural or	building didactic and interactive activities.	recommendations for future
school, clinics and specialised	biomedical outcomes. Also studies		research:
adolescent centres	conducted exclusively among University		Tailor interventions to the target
	students were excluded even if participants		population. Target those
Databases searched: EBSCO	were late adolescents.		behaviours that are most
Academic search Premier, Alt			amenable to change. Expand
HealthWatch, Medline, ERIC, Health	Number of studies included: 39 studies		the scope of STI/HIV
Business FullTEXT, Health Source:			interventions programmes
Nursing/Academic Edition, Health			beyond the individual. Enlist the
Source: Consumer Edition;			family and a behaviour change
PsycARTICLES, Professional			agent. Incorporate long-term
Development Collection, Ovid, and			maintenance strategies into
PsycInfo.			interventions. Incorporate
			biological outcomes as a
Years: 1994-2004			measure of programme efficacy.
			Have structured reporting of
			STI/HIV interventions. Measure
			cost-effectiveness. Translate
			and disseminate effective
			STI/HIV interventions.

Study details	Review parameters	Outcomes	Notes
Underhill et al., (2007)	Inclusion: (1) Randomised and quasi-	No indications that abstinence-only programmes can effectively reduce HIV risk as indicated by	Strengths and/or weaknesses
	randomised controlled trials; (2) participants	self-reported sexual behaviour, and self-reported STI and pregnancy incidence.	of the evidence presented:
Systematic review ++	in high-income countries, as defined by the		No trial used an intention-to-
	World Bank; (3) abstinence-only	Findings do not suggest that abstinence-only programs can effectively encourage abstinent	treat analysis; drop out
Objective: To assess the effects of	interventions (programme did not promote	behaviour; although programs did not appear to cause harm, the bulk of the evidence suggests	exceeded 33% in four studies.
abstinence-only programs for HIV	condom or contraception use) with HIV	that the programmes are ineffective for preventing or decreasing sexual activity; Yes for both	Two of six studies that used
prevention in high-income countries.	prevention as the stated goal of intervention;	primary abstinence (i.e., preventing sexual initiation) and secondary abstinence (i.e., decreasing	cluster randomisation did not
	(4) reported outcome measures directly	the incidence and frequency of recent sex).	report controlling for clustering in
Databases searched: 30 electronic	related to HIV transmission (i.e. outcome		their analysis.
databases (e.g., CENTRAL,	measures directly related to HIV	Authors concluded that abstinence-only programs do not appear to reliably cause harm on the	All outcome data are vulnerable
PubMed, EMBASE, AIDSLINE,	transmission)	behavioural and biological outcomes of interest.	to self-report bias.
PsycINFO)	<b>Exclusion:</b> Trials of programs that focused		
	exclusively on pregnancy prevention.		Evidence gaps and/or
Years: Up to 2007			recommendations for future
	Number of studies included: 8 studies of		research:
	13 programme evaluations		Future studies can could
			address non-US settings;
	Details of heterogeneity: Prevented meta-		program effectiveness in
	analysis		vulnerable groups, high-school
			aged use and could have
			standardized behavioural
			measures and follow up times

Study details	Review parameters	Outcomes	Notes
Underhill et al., (2008)	Inclusion: (1) Controlled interventions that	The 39 trials showed no evidence that abstinence-plus programs increase HIV risk among youth	Strengths and/or weaknesses
	evaluated the effects of abstinence-plus	participants in high-income countries and multiple evaluations found that the programs can	of the evidence presented:
Systematic review ++	programs designed to influence behaviour	decrease HIV risk.	Methodological limitations in
	change on at least one outcome measure		studies
Objective: To assess the effects of	related to HIV transmission; (2) randomized	The review found no conclusive evidence that abstinence-plus programs can reduce STI	
abstinence-plus programs for HIV	and quasi-randomized controlled trials; (3)	incidence and found limited evidence suggesting that abstinence-plus programs can reduce	Evidence gaps and/or
prevention in high-income countries	randomized and quasi-randomized	pregnancy incidence; however, the direction of findings consistently favoured abstinence-plus	recommendations for future
	controlled trials; (4) abstinence-plus	programs over any controls. Programs had mixed effects on sexual behaviour: individual trials	research:
Databases searched: 30 electronic	interventions (intervention was a planned	discovered protective effects on incidence and frequency of unprotected vaginal, anal, and oral	Improved reporting of
databases (including CENTRAL,	effort to encourage sexual abstinence or a	sex; incidence and frequency of vaginal and anal sex; incidence of any sexual activity; number	methodological, clinical and
PubMed, EMBASE, AIDSLINE, and	return to sexual abstinence as the best	of partners; number of unprotected partners; condom use; and sexual initiation. No trial	statistical information;
PsycINFO)	means of HIV prevention but the program	observed an adverse effect on any behavioural outcome.	standardised reporting of
	also promoted condom use, partner		behavioural outcomes; intention-
Years: Up to 2007	reduction, or any other safer-sex behaviour	Trials assessing HIV/AIDS knowledge found significant results favouring the majority of	to-treat analysis; more complete
	as an alternative to abstinence); and (5)	abstinence-plus program participants over various controls. No adverse effects were reported for	reporting of implementation
	reported outcome measures directly related	any outcome.	data; correction for statistical
	to HIV transmission.		tests and incorporation of cost-
		For community-based or after-school programs that took place outside the family, 14 out of 21	effectiveness and participant
	Exclusion: Not reported	found a protective effect on a least one biological or behavioural outcome.	satisfaction data all required.
	Number of studies included: 37 studies of		Need to examine programmes
	39 programme evaluations		outside USA and in vulnerable
			groups.
L	L		

## 2.2 Programmes delivered in social, healthcare and community settings

Study details	Intervention and population details	Analyses	Results
Boekeloo et al., (1999)	Population details	Process details	Knowledge and understanding
	Inclusion: 12-15 years old; scheduled to see	Data collection method(s):	Based on the interview at immediate post-test, adolescents in the intervention group were
RCT (Individual) +	on e of the participating study doctors for a	Questionnaire/Survey	more likely than control adolescents to know that HIV is transmitted through oral and anal
	general health examination	Statistical method(s) used to	intercourse.
Objective: To determine if STI	Exclusion:	analyse data: Chi-squared, Fisher's	
risk assessment and education	Total n= 215	exact test, GLM Models	Attitudes and values
tools provided as part of office-	Intervention, n= 101	Unit of allocation: Individual	Based on the interview at immediate post-test, adolescents in the intervention group were
based primary care can reduce	Comparator, n= 114	Unit of analysis: Individual	more likely than control adolescents to believe that the doctor thought they should use
adolescent risky behaviours.	<b>Male</b> n (%) =	Time to follow-up: 3- and 9- months	condoms if they had sexual intercourse, believe that they should use condoms if they had
	Mean age (range): 12-15 years		sexual intercourse, and believe they should refuse sex with a partner who refused condom
Setting: Community -	Ethnicity: Majority African-American (~70%)	Other details: NR	use. Perceived HIV susceptibility, condom use self-efficacy, and beliefs about abstinence did
Primary care sites	Other baseline:		not differ.
		Baseline comparability	
Country: USA	Intervention details	Groups balanced at baseline: NR	Personal and social skills
	Name: ASSESS (Awareness, Skills, Self-	Comments: NR	At the exit interview, intervention group adolescents reported significantly more discussion with
Funding source: National	efficacy/Self-esteem, and Social Support)		the physician about 11 of 13 topics regarding sexuality than control adolescents.
Institute for Child Health and	Focus/aim: Sexual risk assessment and	<u>Attrition</u>	
Human Development	education	Number of participants completing	Health and social outcomes related to alcohol and sexual health
	Programme type:	study: 3-month Intervention 92%;	Based on bivariate analyses, there were no statistically significant differences between groups
	Theoretical base: Social cognitive theory,	Control 94%; 9-month Intervention	regarding vaginal, anal, and/or oral sexual intercourse (last 3 months or lifetime) or the number
	Theory of Reasoned Action	93%; Control 90%	of vaginal intercourse partners (last 3 months or lifetime), at either follow-up. A mixed model
	Key components: Comprehensive STI/HIV	Reasons for non-completion: Could	regression controlling for baseline sexual experience and doctor indicated that intervention
	prevention information. Pre-visit audio taped	not be reached by telephone, refused	participants were more likely to have had vaginal intercourse at the 3-month follow-up (OR
	risk assessment, a multicoloured pyramid, two	to continue participation (parent and	2.46; 95% CI 1.04, 5.84), but not at 9-months follow-up (OR 1.64; 95% CI 0.81, 3.34).
	brochures that addressed skills and self-	child), avoided interview	Among sexually active adolescents, bivariate analyses found no significant differences
	efficacy for sexual health, community		between intervention and control participants regarding condom use at last intercourse at 9-
	resources brochures, and two brochures for		months follow-up, but the rate was greater among intervention participants at the 3-month
	parents about how to discuss sex and drug		follow-up. This finding was confirmed in a mixed model regression (OR 1.55; 95% CI 1.27,
	risks with teens.		256.03).
	Providers/delivers: Primary care doctors		
	Length, duration, intensity: Not reported		No difference between intervention and control participants in their reported STI diagnoses,
	Other details:		STI treatment or pregnancies during the last 3 months. At the 9-month follow-up, more control
	Comparator: No intervention		participants reported genital signs of possible STIs than intervention participants.

Study details	Intervention and population details	Analyses	Results
Danielson et al., (1990)	Population details	Process details	Knowledge and understanding
	Inclusion: Male, aged 15-18 years; had ambulatory	Data collection method(s):	Knowledge about ways to protect against STIs was significantly associated with
RCT (Individual) -	care at participating medical offices during	Questionnaire/Survey	the intervention (OR 1.98; p<0.001).
	recruitment period	Statistical method(s) used to analyse data:	
Objective: To examine the	Exclusion:	Logistic regression	Attitudes and values
impact of a reproductive health	<b>Total</b> n= 522*	Unit of allocation: Individual	Coercive sexual attitudes* were inversely associated with the intervention (OR
intervention for male	Intervention, n= 262*	Unit of analysis: Individual	0.74; p<0.05); the association was weak and not statistically significant among
adolescents aged 15-18 years,	Comparator, n= 260*	Time to follow-up: NR	those who had already been sexually active at baseline, but was stronger and
which combined a highly	<b>Male</b> n (%) = 100%		statistically significant among those who had not yet become sexually active at
explicit half-hour slide tape	Mean age (range): 15-18 yrs	Other details: None	baseline (OR 0.67; p<0.01).
programme with a personal	Ethnicity: NR		
health consultation.	Other baseline: NR	Baseline comparability	*Two items: "A girl who leads you on should go all the way", and "I might stop
		Groups balanced at baseline: NR	seeing some if she refused me".
Setting: Community -	*Only numbers reported are for those sexually active	Comments: NR	
Primary care	at follow-up (90% of the sample)		Personal and social skills
		Attrition	NR
Country: USA	Intervention details	Number of participants completing study:	
	Name: Unnamed	NR	Health and social outcomes related to alcohol and sexual health
Funding source: Department	Focus/aim: To promote abstinence and	Reasons for non-completion: NR	No statistically significant effect of the intervention on sexual activity status at
of Health and Human Services,	contraception		follow-up. When confounding variables were controlled for, the association
National Institutes of Health,	Programme type: Reproductive health consultation		between the intervention and contraceptive effectiveness was statistically
Kaiser Permanente	Theoretical base:		significant among the larger population of all males who were sexually active at
	Key components: Visit with a health care		follow-up (OR 1.51; p<0.05), and particularly among those who were not
	practitioner which immediately followed the slide		sexually active at baseline (OR 2.53; p<0.01). A partner's use of the pill at last
	tape programme; viewing of a slide tape programme		intercourse was significantly associated with the intervention among all
	that featured explicit photographs of and information		participants who were sexually active at follow-up (OR 1.66; p<0.05).
	on reproductive anatomy, fertility, hernia, testicular		
	self-examination, STIs, contraception, couple		
	communication and access to health services.		
	Providers/delivers: Health care practitioner, media		
	Length, duration, intensity:		
	Other details:		
	Comparator: Wait list control		
	<u> </u>	<u> </u>	1

Study details	Intervention and population details	Analyses	Results
Di Noia & Schinke (2007)	Population details	Process details	Knowledge and understanding
	Inclusion: Female, aged 11-14 years	Data collection method(s):	Girls at computer intervention sites had higher post-test knowledge
RCT (cluster) +	Exclusion: NR	Questionnaire/Survey	scores than wait–list controls (effect size -0.84; p<0.001).
	Total n= 31 agencies; 204 girls	Statistical method(s) used to analyse data:	
Objective: To evaluate the	Intervention, n= 111 girls	Linear regression models, t-tests and chi	Attitudes and values
efficacy of Keepin' It Safe, a	Comparator, n= 93 girls	square.	Girls at computer intervention sites had higher post-test scores than
theory-based, gender-	<b>Male</b> n (%) = 0%	Unit of allocation: School / Youth agency	wait-list controls on perceived vulnerability to HIV (effect size -0.21;
specific, CD-ROM-mediated	Mean age (range): mean I 12.42 yrs (SD 1.11); C 12.45 yrs	Unit of analysis: Organisation/institution	p<0.01), perceived efficacy (effect size -0.36; p<0.01) and enjoyment
HIV prevention program for	(SD 1.21)	Time to follow-up: Post-test	of condoms (effect size -0.23; p<0.05), and perceived efficacy (effect
urban, early adolescent girls.	Ethnicity: 28%/30% Hispanic; 57%/51% Black; 6%/1%		size -0.51; p<0.01) and enjoyment of abstinence (effect size -0.86;
	White; 9%/18% NR	Other details: Agencies were required to serve	p<0.001). There was no difference between groups on the measure of
Setting: Community - specify	Other baseline: 5%/7% had ever had sex	a minimum of 20 adolescent females aged 11-	partner norms or participants' self-efficacy for low-risk activities.
Youth services agencies		14 years, have onsite computers with the	
	Intervention details	minimum hardware specifications required to run	Personal and social skills
Country: USA	Name: Keepin' It Safe	Keepin' It Safe, comply with all research	Girls at computer intervention sites had higher post-test scores on the
	Focus/aim: Increase HIV/AIDS knowledge, protective	protocols, and agree to participate in the study	measure of sexual assertiveness than wait–list controls (effect size -
Funding source: National	attitudes, and skills for reducing HIV risk-related sexual	for its duration. Girls received \$30 for	0.57; p<0.001). There was no difference between groups on the
Institute of Mental Health	behaviours	participating.	measure of sexual communication.
	Programme type: HIV prevention programme		
	Theoretical base: Integrated concepts from the Health	Baseline comparability	Health and social outcomes related to alcohol and sexual health
	Belief Model, theory of reasoned action, theory of planned	Groups balanced at baseline: Yes	NR
	behaviour, self-efficacy theory	Comments: None	
	Key components: Session on HIV/AIDS knowledge and		
	perceived vulnerability to HIV infection, sexual decision	<u>Attrition</u>	
	making, self-efficacy, sexual communication and	Number of participants completing study:	
	assertiveness, and risk reduction skills building	204 (75%)	
	Providers/delivers: CD-ROM	Reasons for non-completion: Sporadic	
	Length, duration, intensity: Six weekly sessions	attendance, discontinued after school	
	Other details: NA	programme	
	Comparator: Wait list controls		

Study details	Intervention and population details	Analyses	Results
DiClemente et al., (2004)	Population details	Process details	Knowledge and understanding
	Inclusion: African American, female, and 14 to 18	Data collection method(s):	Participants in the HIV intervention group reported higher HIV prevention knowledge
RCT (Individual) ++	years of age; reporting vaginal intercourse in the	Questionnaire/Survey	scores than control participants.
	preceding 6 months; and providing written informed	Also interview, skills assessment and	HIV knowledge: Adjusted mean difference (95% CI)
Objective: To evaluate the	consent.	vaginal swab specimens	6-months: 1.80 (1.34 to 2.42); p=0.001
efficacy of an intervention to	Exclusion: Not sexually experienced	Statistical method(s) used to	12-months: 0.84 (0.28 to 1.50); p=0.001
reduce sexual risk behaviours,	Total n= 522	analyse data: Logistic regression	Baseline to 12 months: 1.45 (1.04 to 1.87); p<0.001
sexually transmitted diseases	Intervention, n= 251	Unit of allocation: Individual	
(STDs), and pregnancy and	Comparator, n= 271	Unit of analysis: Individual	Attitudes and values
enhance mediators of HIV-	<b>Male</b> n (%) = 0%	Time to follow-up: 6- and 12-months	There was a significant effect of the intervention on condom use skills at both the 6- and
preventive behaviours	Mean age (range): mean (SD): Intervention 15.99		12-month follow-up, and across the entire 12-month follow-up.
	(1.25); Control 15.97 (1.21) (range: 14-18 yrs)	Other details: None	Condom use skills (rated 0-6)
Setting: Community - Family	Ethnicity: 100% African American		1.13 (0.96 to 1.32); p<0.001
medicine clinic	Other baseline: 40%/43% reported consistent	Baseline comparability	0.97 (0.69 to 1.23); p<0.001
	condom use in past 30 days	Groups balanced at baseline: NR	1.06 (0.88 to 1.25); p<0.001
Country: USA		Comments: NR	
	Intervention details		Personal and social skills
Funding source: National	Name: Unnamed	<u>Attrition</u>	Participants who received the HIV intervention in general reported fewer perceived
Institute for Mental Health	Focus/aim: Reduce risky sexual behaviours and	Number of participants completing	partner-related barriers to condom use, more favourable attitudes toward using
	STIs, and enhance skills and mediators of HIV	study: 6 mo: Intervention, n=226;	condoms, more frequent discussions with male sex partners about HIV prevention, and
	preventive behaviours	Control, n=243	higher condom use self-efficacy scores.
	Programme type: HIV prevention intervention	12 mo: Intervention, n=219; Control,	Condom attitudes
	Theoretical base: Social cognitive theory, theory of	n=241	1.27 (0.52 to 1.84); p=0.001
	gender and power	Reasons for non-completion: Lost	0.91 (0.08 to 1.67); p=0.008
	Key components: Session 1 emphasised ethnic	or moved, no-show or conflict with	1.18 (0.65 to 1.71); p=0.001
	and gender pride; session 2 enhanced awareness of	other plans	Condom barriers
	HIV risk reduction strategies; session 3 enhanced		-4.81 (-7.03 to -2.22); p=0.003
	adolescents' confidence in initiating safer-sex		-2.67 (-5.81 to -0.33); p=0.10
	conversations, negotiating safer sex, and refusing		-4.57 (-6.66 to −2.48); p=0.002
	unsafe sexual encounters; and session 4		Communication frequency
	emphasised the importance of healthy relationships		1.27 (-0.29 to 2.28); p=0.007
	Providers/delivers: Trained African American		1.15 (0.11 to 2.07); p=0.02
	female health educator and two African American		1.24 (0.70 to 1.77); p=0.001
	peer educators		Condom use self-efficacy
	Length, duration, intensity: Four 4-hour sessions,		4.25 (2.70 to 5.86); p=0.001
	consecutive Saturdays		3.65 (1.94 to 5.91); p=0.001
	Other details:		3.93 (2.60 to 5.25); p=0.001
	Comparator: General health promotion		
			Health and social outcomes related to alcohol and sexual health
			Consistent condom use (defined as use of a condom during every episode of vaginal

intercourse): Relative to participants in the general health promotion condition, participants in the HIV intervention were more likely to report using condoms consistently in the past 30 days and the past 6 months at: (1) the 6-month assessment; (2) the 12month assessment; and (3) over the entire 12-month period. Consistent condom use in past 30 days: OR (95% CI) 6-months: 1.77 (0.97-3.20); p=0.06 12-months: 2.23 (1.17-4.27); p=0.02 Baseline to 12 months: 2.01 (1.28-3.17); p=0.003 Consistent condom use in past 6 months: OR (95% CI) 6-months: 2.48 (1.44-4.26); p=0.001 12-months: 2.14 (1.20-3.84); p=0.01 Baseline to 12 months: 2.30 (1.51-3.50); p<0.001 Participants who received the HIV intervention were more likely to report using a condom at last vaginal sexual intercourse, less likely to self-report a pregnancy (NS), and less likely to report having a new vaginal sex partner in the 30 days prior to assessments. Condom use during last sex: OR (95% CI) 6-months: 5.08 (2.83-9.14); p<0.001 12-months: 3.32 (1.86-5.92); p<0.001 Baseline to 12 months: 3.94 (2.58-6.03); p<0.001 New vaginal sex partner in past 30 d: OR (95% CI) 6 months: 0.29 (0.11-0.77); p=0.01 12-months: 0.59 (0.19-1.84); p=0.36 Baseline to 12 months: 0.40 (0.19-0.82); p=0.01 Self-reported pregnancy: OR (95% CI) 6 months: 0.38 (0.15-0.36); p=0.04 12 months: 0.74 (0.30-1.82); p=0.52 Baseline to 12 months: 0.53 (0.27-1.03); p=0.06 HIV intervention participants were more likely to report a significantly higher percentage of condom protected sex acts, both in the 30 days and 6-months preceding the 6- and 12-month follow-up, and over the entire 12 month follow-up. Intervention participants also reported significantly fewer unprotected vaginal intercourse episodes in the last 30 days and 6 months at the 6- and the 12-month assessments and over the entire 12month period. Participants in the HIV intervention also reported a higher frequency of putting condoms on their partners at the 6- and 12-month assessments and over the entire 12-month period. % Condom use in last 30 d: Adjusted mean difference (95% CI) 6-months: 18.38 (10.47 to 25.45); p=0.001 12 months: 21.09 (10.73 to 32.20); p=0.001 Baseline to 12 months: 21.09 (13.70, 28.48); p<0.001

	10,00
	% Condom use in last 6 mo: Adjusted mean difference (95% CI)
	6-months: 17.33 (10.26, 24.39); p=0.001
	12-months: 18.33 (9.46, 29.86); p=0.001
	Baseline to 12 months: 25.07 (19.89, 30.25); p<0.001
	Episodes of unprotected vaginal sex in last 30 d: Adjusted mean difference (95% CI)
	6-months: -1.06 (-1.82 to 0.27); p=0.046
	12 months: -1.06 (-1.86 to 0.44); p=0.002
	Baseline to 12 months: -1.17 (-1.88, -0.45); p=0.001
	Episodes of unprotected vaginal sex in last 6 mo: Adjusted mean difference (95% CI)
	6-months: -6.51 (-10.97 to -2.90); p=0.006
	12 months: -5.51 (-11.18 to -0.34); p=0.02
	Baseline to 12 months: -7.15 (-11.38, -2.93); p=0.001
	Frequency of applying condoms on sex partners: Adjusted mean difference (95% CI)
	6 months: 0.69 (0.42 to 0.92); p=0.001
	12 months: 0.44 (0.19 to 0.77); p=0.003
	Baseline to 12 months: 0.58 (0.37, 0.78); p<0.001
	The results suggested an intervention effect on Chlamydia infections (OR 0.17; 95% CI
	0.03, 0.92; p=0.04), but no difference between groups were observed for trichomonatis
	(OR 0.37; 95% CI 0.09, 1.46; p=0.16) or gonorrhoea (OR 0.14; 95% CI 0.01, 3.02;
	p=0.21).
	l'

Study details	Intervention and population details	Analyses	Results
Downs et al., (2004)	Population details	Process details	Knowledge and understanding
	Inclusion: Aged 14–18, and reported heterosexual	Data collection method(s):	No effects of intervention condition at any follow-up for general STI knowledge or
RCT (Individual) +	vaginal sexual activity in the previous 6 months	Questionnaire/Survey and introital swab	for specific STI knowledge. Knowledge improved in both the intervention and
	Exclusion:	Statistical method(s) used to analyse	control conditions over time.
Objective: To evaluate the	Total n= 300 recruited	data: Logistic regression, ANCOVAs	
impact of a theoretically based,	Intervention, n= NR	Unit of allocation: Individual	Attitudes and values
stand-alone interactive video	Comparator, n= NR	Unit of analysis: Individual	NR
intervention for adolescent	<b>Male</b> n (%) = 0%	Time to follow-up: 1, 3 and 6 months	
females	Mean age (range): NR		Personal and social skills
	Ethnicity: 75% African American, 15% White, 10%	Other details: None	NR
Setting: Community -	other or mixed race		
Healthcare settings	Other baseline: NR	Baseline comparability	Health and social outcomes related to alcohol and sexual health
		Groups balanced at baseline: No	Participants who received the video intervention were more likely to having been
Country: USA	Intervention details	Comments: Participants in the video	completely abstinent between baseline and the 3-month follow-up (OR 2.50;
	Name: Unnamed	condition were more likely to be abstinent	p=0.027). At the 6-month follow-up there was no difference between conditions
Funding source: National	Focus/aim: Increase ability to make less risky	than controls (p<0.05)	on this measure (OR 1.45; p=0.344).
Institute of Allergies and	sexual health decisions		No significant difference between intervention and control conditions in how often
Infectious Diseases	Programme type: Video	Attrition	participants reported using condoms between baseline and the 3-month follow-
	Theoretical base: NR	Number of participants completing study:	up, or at the 6-month follow-up. There was no difference in the number of
	Key components: Interactive video intervention;	NR	condom failures between conditions at the 3-month follow-up, but at the 6-month
	negotiation behaviours with sexual partners,	Reasons for non-completion: NR	follow-up, participants in the video condition reported fewer condom failures in
	condom efficacy, and information about reproductive		the past 3 months compared to controls (p=0.02).
	health and viral and bacterial STIs		
	Providers/delivers: Video		Participants in the video condition were significantly less likely to report having
	Length, duration, intensity: single session		been diagnosed with an STI compared to controls (OR 2.79; p=0.05). The only
	Other details:		disease with sufficient power to detect a difference was Chlamydia (OR 7.75;
	Comparator: Same content as video but difference		p=0.05).
	delivery formats: (1) content-matched control,		
	booklet; (2) Topic-matched control (commercially		
	available brochures)		

Study details	Intervention and population details	Analyses	Results
Elliott et al., (1996)	Population details	Process details	Knowledge and understanding
	Inclusion: Youth people attending projects randomly	Data collection method(s):	There were no significant differences in summary knowledge scores between
NRCT -	selected from a list of willing participants	Questionnaire/Survey, and focus groups	the two groups at post-test or follow-up. Authors note that the overall levels of
	Exclusion:	Statistical method(s) used to analyse	knowledge were generally good among participants at baseline.
Objective: To measure the	Total n= 10 projects	data: Chi-square, McNemar and t-tests	
effects of a theatre production	Intervention, n= 132 young people	Unit of allocation: Group - Youth group	Attitudes and values
on HIV knowledge, attitudes	Comparator, n= 85 young people	Unit of analysis: Individual	There were no significant differences in attitudes between the two groups at
and risk behaviour of young	<b>Male</b> n (%) = NR	Time to follow-up: Post-test, 2 months	post-test or follow-up.
people compared with that of a	Mean age (range): mean: Intervention 15.8 yrs (SD		
standard health education	1.53); Control 14.9 yrs (SD 1.49)	Other details: NA	Personal and social skills
seminar.	Ethnicity: NR		Not reported
	Other baseline: NA	Baseline comparability	
Setting: Community - specify		Groups balanced at baseline: No	Health and social outcomes related to alcohol and sexual health
Youth projects	Intervention details	Comments: Theatre participants were	No significant difference between the groups in the number who reported
	Name: Unnamed	significantly older	having unprotected sex in the previous 2-months. At the 2-month follow-up,
Country: UK	Focus/aim: Designed to inform young people about		significantly more Theatre participants than Seminar participants reported
	HIV, especially the modes of transmission; explore	<u>Attrition</u>	changing their behaviour in response to intervention (34% vs. 6%; p<0.01).
Funding source: NR	attitudes and emotional issues associated with HIV and	Number of participants completing	Those reporting a behavioural change in both groups said that they had
	inform participants about safer sex practices, in	study: 34% intervention and 43% control	become more cautious about sex or at least bought and carried condoms more
	particular proper condom use.	completed both follow-ups	than before.
	Programme type: Theatre	Reasons for non-completion: NR	
	Theoretical base: NR		
	Key components: Theatre production ("How to Die of		
	Embarrassment"), workshops		
	Providers/delivers: Theatre company		
	Length, duration, intensity: Single session		
	Other details: NA		
	Comparator: Health education seminars led by two		
	health education officers; workshops and small group		
	discussions. Covered sexual health issues.		

Study details	Intervention and population details	Analyses	Results
Ferguson (2000)	Population details	Process details	Knowledge and understanding
	Inclusion: African American females aged 12-16 yrs; Had	Data collection method(s):	There was no difference in knowledge between the intervention and
NRCT -	successfully completed the 10-wk Camp Horizon Adolescent	Questionnaire/Survey	control group at post-test, but there was a statistically significant
	Pregnancy Prevention programme and were enrolled in the	Statistical method(s) used to analyse	increase in knowledge among control participants relative to the
Objective: To determine the	transition programme; resided in one of four neighbourhoods;	data: repeated measures ANOVA, chi	intervention group at the 3-month follow-up (p=0.0047).
effects of peer counselling in a	were not currently pregnant and had never given birth to a child	square	
culturally-specific pregnancy	Exclusion: NR	Unit of allocation: Neighbourhood	Attitudes and values
prevention programme for	Total n= 63	Unit of analysis: Individual	NR
African American females.	Intervention, n= 33	Time to follow-up: Post-test, 3 months	
	Comparator, n= 30		Personal and social skills
Setting: Community - specify	Male, NR	Other details: NA	NR
Youth agency	Mean age (range): mean 13 yrs (range 12-16 yrs)		
	Ethnicity: 100% African American	Baseline comparability	Health and social outcomes related to alcohol and sexual health
Country: USA	Other baseline: 67% had previously received counselling or	Groups balanced at baseline: NR	None of the participants in either the intervention or control group had
	advice on sex education	Comments: NR	become pregnant at the 3-month follow-up. There was no significant
Funding source: NR			delay in sexual intercourse for participants in either the intervention or
	Intervention details	Attrition	control group. There was no difference between groups in the use of
	Name: Unnamed	Number of participants completing	effective methods of contraception.
	Focus/aim: To reduce teenage pregnancy rates	study: n=30 intervention; n=22 control	
	Programme type: Peer counselling	Reasons for non-completion: Moved out	
	Theoretical base: NR	of the area	
	Key components: Group discussions and role play of situations		
	that pertained to sexual behaviour, reproduction, STIs,		
	contraceptives and hygiene. Investigator taught module on life		
	management, family relations, academic and careers.		
	Providers/delivers: Trained peer counsellors (mean 14 yrs, 13-		
	16 yrs)		
	Length, duration, intensity: 2 hrs, weekly over 8 weeks		
	Other details: NA		
	Comparator: No intervention; had previously participated in 10-		
	wk pregnancy prevention programme		

Study details	Intervention and population details	Analyses	Results
Jemmott et al., (1992)	Population details	Process details	Knowledge and understanding
	Inclusion: Black male adolescents	Data collection method(s):	At post-test and 3-months, intervention participants had greater knowledge about
RCT (Individual) +	Exclusion:	Questionnaire/Survey	AIDS (p<0.0001 and p<0.003, respectively).
	Total n= 157	Statistical method(s) used to analyse	
Objective: To examine an	Intervention, n= 85	data: ANCOVA	Attitudes and values
intervention designed to	Comparator, n= 72	Unit of allocation: Individual	At post-test, compared to control participants, intervention participants expressed
reduce the frequency of HIV	<b>Male</b> n (%) = 100%	Unit of analysis: Individual	less favourable attitudes toward risky sexual behaviours (p<0.004) and reported
risk-associated sexual	Mean age (range): mean 14.64 years (SD 1.66)	Time to follow-up: post-test, 3 months	weaker intentions to engage in such behaviours (p<0.0001). At 3-months,
behaviours among inner-city	Ethnicity: 100% Black		intervention participants reported weaker intentions to engage in risky sexual
Black adolescents.	Other baseline: In last 3 months: 34% >1 partner;	Other details: None	behaviour in the next 3 months than control participants (p<0.007). Non-significant
	13% heterosexual anal intercourse; 21% never		trend towards less favourable attitudes regarding risky sexual behaviour among
Setting: Community - specify	used condoms; 30% always used condoms	Baseline comparability	intervention students.
After school (Saturday)		Groups balanced at baseline: NR	
	Intervention details	Comments: NR	Personal and social skills
Country: USA	Name: Be Proud! Be Responsible!		NR
	Focus/aim: To reduce self-reported unprotected	Attrition	
Funding source: American	sexual intercourse among African American and	Number of participants completing	Health and social outcomes related to alcohol and sexual health
Foundation for AIDS, National	Latino girls.	study: NR	Controlling for pre-intervention behaviour, at 3-months, intervention students were
Institute of Child Health and	Programme type: AIDS risk reduction	Reasons for non-completion: NR	less likely than controls to report having engaged in risk sexual behaviour (difference
Human Development	Theoretical base: NR		-0.36; 95% CI -0.64, -0.08; p<0.01). Across different sexual behaviours the effects of
	Key components: Included information about		the intervention were fairly consistent. There was no difference between groups in
	risks associated with IV drug use and specific		whether participants had sex, but intervention participants reported having sex on
	sexual activities		fewer days, with fewer women, and with fewer women who were involved in sexual
	Providers/delivers: Trained facilitator		relationships with other men. Intervention participants also reported fewer occasions
	Length, duration, intensity: 5 hours		of sex without a condom and were less likely to report having anal intercourse with
	Other details:		women.
	Comparator: Career opportunities		

Study details	Intervention and population details	Analyses	Results
Jemmott et al., (1998)	Population details	Process details	Knowledge and understanding
	Inclusion: African American adolescents.	Data collection method(s):	Condom use knowledge was significantly higher among participants who received the
RCT (Individual) ++	Exclusion: NR	Questionnaire/Survey	safer sex intervention compared to participants in the control and abstinence groups (both
	<b>Total</b> n= 659	Statistical method(s) used to	p<0.001). Participants in both the abstinence and safer sex groups had significantly
Objective: Evaluate the effects	Intervention, n= (1) 215; (2) 218	analyse data: ANOVA, chi-squared, t-	greater knowledge than control participants about HIV risk reduction (both p<0.001), and
of abstinence and safer-sex	Comparator, n= 214	tests, ANCOVA	safer sex participants had significantly higher knowledge than abstinence participants
HIV risk-reduction interventions	<b>Male</b> n (%) = 47%	Unit of allocation: Individual	(p<0.001).
of young inner-city African	Mean age (range): mean 11.8 yrs	Unit of analysis: Group	
American adolescents' HIV	Ethnicity: African American	Time to follow-up: 3-, 6- and 12-	Attitudes and values
sexual risk behaviours when	Other baseline: Sexual activity, sexual	months	Compared to participants in the control group and the safer-sex group, adolescents in the
implemented by adult	orientation.		abstinence group believed more strongly that practicing abstinence would prevent
facilitators as compared with		Other details: None	pregnancy and AIDS (p<0.001 and p=0.02, respectively), expressed less favourable
peer co-facilitators.	Intervention details		attitudes toward sexual intercourse (p<0.001 and p=0.002, respectively) and reported
	Name: Be Proud! Be Responsible!	Baseline comparability	weaker intentions of having sexual intercourse (p=0.02 and p=0.03, respectively) in the
Setting: Community - specify	Focus/aim: HIV risk reduction	Groups balanced at baseline: NR	next 3 months. There was no difference between abstinence and control participants on
	Programme type: (1) Abstinence intervention; (2)	Comments: NR	the other measures. Safer sex participants were more likely than participants in the control
Country: USA	Safer-sex education		and abstinence groups to report condom prevention beliefs (both p<0.001), condom
	Theoretical base: Social cognitive theory,	<u>Attrition</u>	hedonistic beliefs (both p<0.001), condom availability control beliefs (p=0.01 and p<0.001,
Funding source: National	reasoned action, planned behaviour.	Number of participants completing	respectively). They also reported significantly higher impulse beliefs than controls and
Institute of Mental Health.	Key components: (1) Designed to increase	<b>study</b> : n=429, 411, and 406	higher self-efficacy to use condoms (p=0.02 and p=0.05, respectively). There was no
	HIV/STI knowledge, strengthen behavioural	respectively	effect of either intervention on participant's intentions to use condoms.
	beliefs supporting abstinence, increase self-	Reasons for non-completion: NR	
	efficacy and skills to resist pressure to have sex;		Personal and social skills
	(2) Increase HIV/STI knowledge and specific belief		NR
	that using condoms could prevent pregnancy,		
	STIs, and HIV, enhance hedonistic beliefs, and		Health and social outcomes related to alcohol and sexual health
	increase skills and self-efficacy regarding		3-month follow-up: Adolescents in the abstinence group were significantly less likely to
	participant's ability to use condoms.		report having sexual intercourse compared to adolescents in the control group (OR 0.45;
	Providers/delivers: Trained adult and peer		95% CI 0.23, 0.86; p=0.02) and marginally less likely than adolescents in the safer sex
	facilitators		groups (OR 0.54; 95% CI 0.28, 1.07; p=0.08). Participants who received the abstinence
	<b>Length, duration</b> , intensity: 8 x 1hr modules over		intervention and who were sexually inexperienced at baseline were significantly less likely
	2 x Saturdays.		than controls to have had sex (OR 0.26; 95% CI 0.08, 0.83) and marginally less likely than
	Other details:		those in the safer sex group (OR 0.32; 95% CI 0.10, 1.04). Adolescents who received the
	Comparator: Health promotion intervention		safer sex intervention were more likely to report consistent condom use relative to the
			control group (OR 3.38; 95% CI 1.25, 9.16; p=0.02) and the abstinence group (OR 3.10;
			95% CI 0.99, 9.73; p=0.05). Relative to the control group, adolescents in the safer sex
			group reported a higher frequency of condom use (mean [SD] 4.22 [1.21] vs. 3.56 [1.63];
			p=0.05), were less likely to report having unprotected sexual intercourse (OR 0.35; 95%
			CI 0.13, 0.95; p=0.04) and reported fewer days of unprotected intercourse (mean [SD]
			0.07 [0.60] vs. 0.21 [0.60]; p=0.04).

PSHE Community review	Jones et al (2010)
	6-month follow-up: There were no significant differences between adolescents in the abstinence group and adolescents in the control or safer sex group on any of the sexual behaviour measures (in past 3 months). Adolescents in the safer sex group reported a higher frequency of condom use relative to controls (mean [SD] 3.99 [1.22] vs. 3.25 [1.60]; p=0.03).
	12-months follow-up: Compared to adolescents in the control groups, there was a higher frequency of condom use among adolescents in both the abstinence group (mean [SD] 3.94 [1.28] vs. 3.16 [1.69]; p=0.02) and the safer sex group (mean [SD] 4.15 [1.21] vs. 3.16 [1.69]; p=0.004).

## Study details Intervention and population details **Analyses** Results Jemmott et al., (2005) Population details Process details Knowledge and understanding Inclusion: African American and Latino adolescent Data collection method(s): Participants who received the skills-based intervention scored higher in post-RCT (Individual) ++ females who volunteered for the "Women's Health Questionnaire/Survey intervention HIV/STD knowledge (d=0.62; p=0.001), condom use knowledge (d=0.59; P=0.001), compared to those who received the health-promotion control intervention. Project". Eligible if (1) were patients at the adolescent Statistical method(s) used to Objective: To determine the medicine clinic; (2) were sexually experienced; (3) analyse data: Chi square tests, In addition, the skill-based intervention participants had significantly greater increases efficacy of a skill-based were not pregnant; (4) 12-19 years old; (5) could read Poisson regression, ANCOVA, logistic in condom use knowledge than did the information-based intervention group HIV/STI reduction intervention and speak English; and (6) did not plan to move from regression analysis. Standardised participants (d=0.30; P=0.001). in reducing self-reported the area of the clinic. effect size estimates presented Information-based intervention participants scored higher in HIV/STD knowledge unprotected sexual intercourse Exclusion: NR Unit of allocation: Individual (d=0.72; P=0.001) and condom use knowledge (d=0.30; p=.001) than health among female African **Total** n= 682 Unit of analysis: Individual promotion control participants. American and Latino Intervention, n= (1) 228; (2) 235 Time to follow-up: 3-, 6- and 12adolescents. Comparator, n= 219 months Attitudes and values **Male** n (%) = 0%Compared to the health intervention control group, skills-based intervention group Setting: Community - specify Other details: Participants were paid participants scored higher on measures of intentions (d=0.21: P=.008), hedonistic Mean age (range): mean 15.5 years Hospital-based family planning for participation in the trial. beliefs (d=0.28; P=0.001), sexual partner approval (d=0.20; p=0.009), technical skills Ethnicity: clinic Other baseline: 87.1% reported sexual intercourse in beliefs (d=0.20; p=0.01), and impulse control beliefs (d=0.19; p=0.02). the last 3 months Baseline comparability Information-based intervention participants scored higher on the following measures, Country: USA Groups balanced at baseline: Yes compared to the health promotion control group: intentions (d=0.29; p=0.001); Intervention details Comments: None hedonistic beliefs (d=0.31; P=0.001); technical skills beliefs (d=0.15; p=0.049), and Funding source: National Name: Unnamed impulse control (d=0.19; p=0.02). Institute of Mental Health Focus/aim: (1) Addressed the elevated risk of HIV Attrition Personal and social skills and STD among inner-city African American and Number of participants completing Latino young women, personal vulnerability to HIV and study: 3 mo 643: 6 mo 633: 12 mo 604 (89%) STD, HIV transmission, the diverse messages about sex to which adolescents are exposed, responsibility Reasons for non-completion: NR Health and social outcomes related to alcohol and sexual health for sexual risk reduction in romantic relationships, and Participants who received the skill-based intervention reported less frequent the importance of using condoms. (2) Addressed unprotected sexual intercourse at the 12-month follow-up than did those who received beliefs relevant to HIV/STD risk reduction, illustrated the health-promotion control intervention (d=0.28; p=0.002) or the information-based correct condom use, and depicted effective condomintervention (d=0.19; p=0.033). There was no difference on these measures at the 3use negotiation. or 6-month follow-up. Programme type: (1) Information-based; (2) Skills-At the 12-month follow-up, participants who received the skill-based intervention based reported fewer sexual partners than participants who received the health-promotion Theoretical base: Cognitive behavioural theory control intervention (d=0.17; p=0.04). Participants who received the skill-based **Key components**: (1) Educational videotapes intervention were also less likely to report having multiple partners than were those who received the health promotion control intervention (d=0.25; p=0.002). No illustrated correct condom use with a demonstration model and depicted effective negotiation of condom differences in the reported number of sexual partners were observed at the 3- or 6use. (2) Participants practiced the skills needed to use month follow-up. condoms (handled condoms, practiced correct use of There was a significantly lower self-reported frequency of sexual intercourse while condoms with anatomical models, and engaged in intoxicated among participants who received the skills-based intervention compared

role-playing to increase skill in negotiating the use of

with the health-promotion control (d=0.18; p=0.03) and information-based (d=0.18;

condoms).	p=0.03) interventions at the 3-month follow-up and compared with the health
Providers/delivers: 14 African American women had	promotion control intervention (d=0.23; p=0.005) at the 6-month follow-up. No
experience working with inner-city adolescents	differences were found at the 12-month follow-up. In addition, participants in the skill-
Length, duration, intensity: Single session, 250	based intervention group reported fewer episodes of unprotected sexual intercourse
minutes.	while intoxicated at the 12-month follow-up than participants who received the health-
Other details:	promotion control intervention (d=0.20; p=0.02).
Comparator: Health promotion intervention; covered	There was no difference in STI rates between groups at the 6-month follow-up.
beliefs and skills relevant to behaviours associated	However, at 12-months, participants who received the skill-based intervention were
with the risk of heart disease, cancer, and stroke.	significantly less likely to have an STD than were those in the health promotion control
	group (10.5% vs. 18.2%; d=0.18; p=0.05).

Study details	Intervention and population details	Analyses	Results
Kipke et al., (1993)	Population details	Process details	Knowledge and understanding
	Inclusion: English-speaking, aged 12-16 years, and written	Data collection method(s):	Adolescents in the ARREST group reported significantly higher levels of
RCT (Individual) +	parental consent.	Questionnaire/Survey	knowledge at post-test compared to controls (p<0.001).
	Exclusion:	Statistical method(s) used to analyse	
Objective: To evaluate the	Total n= 87	data: Student's t-test	Attitudes and values
AIDS Risk Reduction	Intervention, n= 41	Unit of allocation: Individual	Relative to the control group, adolescents in the ARREST group reported a
Education and Skills Training	Comparator, n= 46	Unit of analysis: Individual	significant decrease in negative attitudes towards AIDS (p<0.05), and an
programme	<b>Male</b> n (%) = 45%	Time to follow-up: Post-test	increase in the perception that adolescents are at risk of becoming HIV
	Mean age (range): mean 13.8 years (range: 12-16 yrs)		infected (p<0.01).
Setting: Community -	Ethnicity: 59% Latino; 41% African American	Other details: None	
Youth agencies	Other baseline: 30% heterosexual intercourse; 2%		Personal and social skills
	homosexual intercourse	Baseline comparability	ARREST participants were observed to have increased behavioural skills
Country: USA		Groups balanced at baseline: Yes	for giving a reason for refusing to engage in risk-related activities (p<0.001)
	Intervention details	Comments: None	and proposing alternative lower risk activities (p<0.001).
Funding source: Various	Name: AIDS Risk Reduction Education and Skills Training		
sources	(ARREST) programme	<u>Attrition</u>	Health and social outcomes related to alcohol and sexual health
	Focus/aim: AIDS risk reduction and education	Number of participants completing	No difference in risk-related sexual behaviours between the intervention
	Programme type:	study: n=86	and control group for the following measures: number of sexual
	Theoretical base: Health Belief Model, Social Learning	Reasons for non-completion: Missed >1	encounters, number of sexual partners, and use of condoms.
	Theory	intervention session	
	Key components: AIDS education; instruction on how to		
	use condoms; and decision-making, communication and		
	assertiveness skills training. Take home exercises.		
	Providers/delivers: NR		
	Length, duration, intensity: Three training sessions		
	Other details:		
	Comparator: Wait list control		

Study details	Intervention and population details	Analyses	Results
Morrison-Beedy et al., (2005)	Population details	Process details	Knowledge and understanding
	Inclusion: Aged 15-19, unmarried, sexually active with a male	Data collection method(s):	At the 3-month follow-up, the HIV group scored significantly higher than
RCT (Individual) +	partner in the past 3 months, not pregnant and no births within	Questionnaire/Survey	the control group on knowledge (effect size 0.63; p<0.001).
	the past 3 months, and English-speaker.	Statistical method(s) used to	
Objective: To assess the	Exclusion:	analyse data: Generalised estimating	Attitudes and values
feasibility of a community-	Total n= 62	equations; chi-squared	NR
based, small group HIV risk	Intervention, n= 33	Unit of allocation: Individual	
reduction intervention with	Comparator, n= 29	Unit of analysis: Individual	Personal and social skills
adolescent girls, and	<b>Male</b> n (%) = 0%	Time to follow-up: 3-months	At the 3-month follow-up, the HIV group scored significantly higher than
preliminary evidence of its	Mean age (range): mean 17.3 years (SD 1.4, range 15–19)		the control group on confidence in condom use (effect size 0.32; p=0.04),
efficacy.	Ethnicity: 59% White, 29% Black, 10% Hispanic, and 2% Asian	Other details: None	and lower on the cons of condom use (effect size 0.35; p=0.03). There
	Other baseline: 28% low-income; 53% two or more sex partners		was no difference between groups on the following measures: risk
Setting: Community -	in the past year; 15% history of STIs; 21% previous pregnancy;	Baseline comparability	perception, readiness, behavioural intentions, and pros of condom use.
Family planning centre	11% had a sex partner who injected drugs	Groups balanced at baseline:	
		Comments: Intervention group had	Health and social outcomes related to alcohol and sexual health
Country: USA	Intervention details	higher levels of confidence in condom	Although overall risk behaviour scores were lower within the HIV group
	Name: Unnamed	use.	relative to the control group, none of the individual risk outcomes,
Funding source: National	Focus/aim: Intervention designed to: (1) provide HIV-related		(including vaginal sex with/without condom, received/gave oral sex,
Institute of Nursing Research;	information; (2) increase motivation to change risky behaviours;	<u>Attrition</u>	alcohol or drug use before sex, and number of partners) were significantly
National Institute of Mental	(3) provide behavioural skills training; and (4) improve HIV-	Number of participants completing	different between the two groups. Control participants talked with partners
Health; National Institute of	preventative behaviours among girls in the intervention group.	<b>study</b> : n=48 (77%)	about safer sex more often than did HIV risk reduction intervention
Allergy and Infectious Diseases	Programme type: HIV risk reduction intervention	Reasons for non-completion: NR	participants (p=0.04).
	Theoretical base: Information-Motivation-Behavioural Skills		
	Model		
	Key components: HIV-related information and behavioural skills		
	components (assertiveness, self-efficacy, and negotiation)		
	combined with motivational enhancement strategies		
	Providers/delivers: Trained female interventionists		
	Length, duration, intensity: Four 2-hour sessions		
	Other details:		
	Comparator: Health promotion control; addressed anger		
	management, caffeine use, and nutrition		
<u>                                     </u>		I.	

Study details	Intervention and population details	Analyses	Results
Pearlman et al., (2002)	Population details	Process details	Knowledge and understanding
	Inclusion: Adolescents from nine	Data collection method(s):	At 9 months, new peer leaders had significantly more knowledge about HIV/AIDS
NRCT +	communities	Questionnaire/Survey	than comparison youth (p<0.005). Repeat peer leaders were more knowledgeable
	Exclusion: NR	Statistical method(s) used to analyse	than new peer leaders.
Objective: To evaluate the impact	Total n= 168	data: Multiple regression	
of a community-based HIV/AIDS	Intervention, n= 97 (70%)	Unit of allocation: Not clear	Attitudes and values
peer leadership prevention program	<b>Comparator</b> , n= 71 (30%)	Unit of analysis: Individual	Not reported
on peer leaders	<b>Male</b> n (%) = 62 (37%)	Time to follow-up: 9 months (post-test)	
	Mean age (range): mean 15-16 years		Personal and social skills
Setting: School	Ethnicity: 36% Hispanic; 28% White; 17%	Other details: None	New peer leaders had significantly higher perceptions of themselves as change
	Black; 18% Other		agents (level of confidence in educating others about HIV/AIDS transmission and
Country: USA	Other baseline: sexually active; pressured	Baseline comparability	prevention; p=0.001)
	to have sex; perceived chance of getting HIV	Groups balanced at baseline: Yes	
Funding source: Massachusetts		Comments: no significant differences	
Department of Public Health	Intervention details	reported	Health and social outcomes related to alcohol and sexual health
	Name: Project Teen Health		No significant differences were found between new peer leaders and comparison
	Focus/aim: a peer leading course to	<u>Attrition</u>	groups for sexual risk taking behaviour at 9 months. A non-significant trend
	influence the peer leaders knowledge of HIV	Number of participants completing study:	suggested that boys were more likely to engage in sexual risk taking behaviours
	and sexual risk behaviour	NR	than girls.
	Programme type: Peer Leading Preventing	Reasons for non-completion: NR	
	AIDS course		
	Theoretical base: NR		
	Key components: Peer Leadership		
	Preventing AIDS course; ongoing group		
	work with an adult advisor to learn about HIV		
	and related skills		
	Providers/delivers: Peer leaders		
	Length, duration, intensity:		
	Other details:		
	Comparator: Adolescents participating in		
	community and school-based programmes;		
	received sex education that was not		
	designed to help youth understand social		
	and peer pressures to have sex or to		
	develop and apply resistance skills to peer		
	pressure.		

Study details	Intervention and population details	Analyses	Results
Philiber et al., (2002)	Population details	Process details	Knowledge and understanding
	Inclusion: Eligible if not enrolled in an ongoing,	Data collection method(s): Questionnaire/Survey	Gains in knowledge were significantly greater among programme
RCT (Individual) +	structured after school programme; aged 13-15 years;	Statistical method(s) used to analyse data: Chi-	participants than controls (22% vs. 11%, respectively). Female
	no currently pregnant or a parent	squared, ANOVA, logistic regression (controlled for	programme participants were also more likely to say that they had
Objective: To report the	Exclusion:	age, ethnicity, baseline measures and social	chosen not to have sex when pressured, compared to females in the
results of an evaluation of the	Total n= 484	development barriers)	control group.
Children's Aid Society-Carrera	Intervention, n= 242	Unit of allocation: Individual	
programme.	Comparator, n= 242	Unit of analysis: Individual	Attitudes and values
	<b>Male</b> n (%) = 45%	Time to follow-up: Three years	NR
Setting: Community -	Mean age (range): 13-15 years		
Youth agencies	Ethnicity: Intervention/Control: Black 60%/52%;	Other details: Analysis based on 81% of the	Personal and social skills
	Hispanic 39%; 45%; Other 1%/3%	original sample. Only included those who supplied	NR
Country: USA	Other baseline: Intervention/Control: Ever had sex	data at the 3-yr follow-up.	
	26%/25%		Health and social outcomes related to alcohol and sexual health
Funding source: The Robin		Baseline comparability	Odds of becoming pregnant were significantly reduced among female
Hood Foundation	Intervention details	Groups balanced at baseline: NR	programme participants compared with controls (OR 0.31). Female
	Name: CAS-Carrera programme	Comments: NR	programme participants were also less likely to be sexually active (OR
	Focus/aim: Pregnancy prevention		0.52) and were more likely to have used a condom and a hormonal
	Programme type:	Attrition	method at last intercourse (OR 2.37). There were no significant
	Theoretical base: Not reported	Number of participants completing study: 81%	programme effects on males on these outcomes.
	Key components: Five activity and two service	of the original sample	
	components. Work-related intervention; academic	Reasons for non-completion: Moved, never	
	component; comprehensive family life and sexuality	participated, family issues precluded participation,	
	education; arts component; individual sports	scheduling conflicts, incarcerated	
	component. Supplemented by mental health care and		
	medical care.		
	Providers/delivers: Community organisers, other		
	providers not defined		
	Length, duration, intensity: Five days/week school		
	year (~3 h/day)*		
	Other details:		
	Comparator: Regular youth programme		

Study details	Intervention and population details	Analyses	Results
Postrado & Nicholson	Population details	Process details	Knowledge and understanding
(1992)	Inclusion: Young women aged 12-17 yrs; enrolled in four Girls	Data collection method(s):	NR
	Incorporated member organisation in communities with higher than	Questionnaire/Survey	
CBA -	average rates of teenage pregnancy; participated for at least 1 year	Statistical method(s) used to	Attitudes and values
	Exclusion:	analyse data: Bivariate and multiple	NR
Objective:	Total n= 412	logistic regression analysis	
	Intervention, WPWP, n= 257; GT, n= 84	Unit of allocation: individual	Personal and social skills
Setting: Community - specify	Comparator, WPWP, n= 155; GT, n= 328	Unit of analysis: Individual	NR
Youth agency	<b>Male</b> n (%) = 0%	Time to follow-up: Post-test	
	Mean age (range): mean 12 years (range 12-14 years)		Health and social outcomes related to alcohol and sexual health
Country: USA	Ethnicity: WPWP Par/Non-Par: Black 76%/72%; White 13%; 17%;	Other details:	Girls who did not participate in GT were more likely to initiate sexual
	Hispanic or other 11%/10%; GT Par/Non-par: Black 55%/80% White		intercourse than those who participated (OR 2.6; p=0.054).
Funding source: NR	33%/10%; Hispanic or other 12%/11%	Baseline comparability	Participation in WPWP was not associated with initiation of sexual
	Other baseline: NR	Groups balanced at baseline: No	intercourse. Further analysis of the results suggested that
		Comments: Some imbalance race	nonparticipants and participants with a shorter period of participation in
	Intervention details	and whether mother or sister	WPWP were significantly more likely to initiate sexual intercourse than
	Name: Girls Incorporated: Will Power/Won't Power (WPWP) and	experienced teenage pregnancy	those who participated for a longer period.
	Growing Together (GT)		
	Focus/aim: WPWP: addresses social and peer pressures that lead	<u>Attrition</u>	
	young women into early sexual behaviour and focuses on skills	Number of participants completing	
	building; GT: Designed to enable parents and daughters to	study: NR	
	communicate comfortably with each other about human sexuality	Reasons for non-completion: NR	
	Programme type: Community		
	Theoretical base: NR		
	Key components: WPWP: Group-building exercises, introduction to		
	relationships and basic assertiveness skills; GT: Parents only session;		
	other sessions focused on physical and emotional changes during		
	puberty, anatomy of reproduction, myths and facts about sexuality and		
	getting pregnant, and other related topics.		
	Providers/delivers: NR		
	Length, duration, intensity: WPWP: 6 sessions; GT: 5 sessions		
	Other details:		
	Comparator: Girls Incorporated who did not enrol in the intervention		
	programmes		

Study details	Intervention and population details	Analyses	Results
Sikkema et al., (2005)	Population details	Process details	Knowledge and understanding
	Inclusion: Adolescents from 15 housing developments in three urban	Data collection method(s):	NR
RCT (cluster) +	areas with high rates of poverty, STIs, and drug use	Statistical method(s) used to	
	Exclusion:	analyse data: Mixed model approach	Attitudes and values
Objective: To examine	<b>Total</b> n= 1,172	Unit of allocation: Housing	NR
whether the effects of HIV	Intervention, n= (1) 428; (2) 392	developments	
prevention efforts are stronger	Comparator, n= 352	Unit of analysis: Group	Personal and social skills
and better maintained when	<b>Male</b> n (%) = 50%	Time to follow-up: 2 months after	NR
they target not only change in	Mean age (range): mean 14.5 years (SD 1.7)	completion of community-level	
individual risk-reduction beliefs	Ethnicity: 51% African American, 20% Asian, 10% East African, 5%	intervention	Health and social outcomes related to alcohol and sexual
and skills, but also change in	White, 3% Hispanic, 3% Ukrainian, 2% Russian, 1% Native American and		health
the social and peer normative	5% other	Other details: None	At short-term follow-up, before delivery of the community
environment.	Other baseline: 73% reported never engaging in sexual intercourse		intervention, there was no difference in the abstinence rate among
		Baseline comparability	adolescents in the control developments and adolescents in the
Setting: Community, housing	Intervention details	Groups balanced at baseline: NR	two intervention developments. At long-term follow-up, adolescents
developments	Name: Unnamed	Comments: NR	who received the community intervention were more likely to have
	Focus/aim: Both interventions focused on three aspects of risk		remained abstinent compared to adolescents living in the control
Country: USA	avoidance: (1) delaying onset of sexual activity; (2) refraining from	<u>Attrition</u>	developments (adjusted OR 1.97; 95% CI 1.06, 3.67; p<0.05), but
	unwanted sex among those sexually active; and (3) consistently using	Number of participants completing	the difference between community and workshop participants was
Funding source: National	condoms if one was or become sexually active.	<b>study</b> : n=763 (65%)	not significant (OR 1.72; 95% CI 0.94, 3.16; p=0.07).
Institute of Mental Health	Programme type: (1) Workshop intervention; (2) Community-level	Reasons for non-completion:	
	intervention		At short-term follow-up, before delivery of the community
	Theoretical base: NR		intervention, condom use rates were lower among adolescents in
	Key components: (1) Workshops including HIV/STD education, skills		the control developments compared to those in the workshop
	training to avoid and resist unwanted sexual activity, sexual negotiation		developments (p=0.01). At the long-term follow-up, compared to
	skills, condom use skills, and risk behaviour self-management; (2) As		control development adolescents, condom use rates were higher in
	workshop condition, followed by a multi-component community		both the community (OR 2.50; 95% CI 1.01, 6.22) and workshop
	intervention (follow-up sessions, Teen Health Project Leadership Council		(OR 2.23; 95% CI 0.99, 5.03) condition developments. The
	[THPLC]*, activities to create social and environmental supports for HIV		difference between the community and workshop groups was not
	risk avoidance and HIV/AIDS workshops for parents**)		significant.
	Providers/delivers: NR		
	Length, duration, intensity: Two, 3 h training sessions		
	Other details:		
	Comparator: Standard AIDS education session; viewed and discussed		
	videotape; condoms and educational brochures were available.		

Study details	Intervention and population details	Analyses	Results
Smith et al., (2000)	Population details	Process details	Knowledge and understanding
	Inclusion: Selected to participate from a group of	Data collection method(s):	STAND participants had greater gains on the Risk Behaviour Knowledge scale
CBA -	opinion leaders at a high school	Questionnaire/Survey	than comparison students (p=0.02).
	Exclusion: NR	Statistical method(s) used to analyse	
Objective: To report on a pilot	Total n= 74	data: ANOVA, chi-squared analyses	Attitudes and values
study of a sexual risk reduction	Intervention, n= 21	Unit of allocation: School	No differences on the HIV Prevention Attitude Scale or on the Condom
intervention, STAND (Students	Comparator, n= 53	Unit of analysis: Individual	Attitude Scale.
Together Against Negative	<b>Male</b> n (%) = 50%	Time to follow-up: Post-test, 8 months (12	
Decisions), which targeted 10th	Mean age (range): mean 16 yrs	months from baseline)	Personal and social skills
grade students.	Ethnicity: 58% African American, 39% White, 3% Other		Communication: STAND participants were significantly more likely than
	Other baseline: NA	Other details: Teens paid \$4.85 per hr of	comparison students to report speaking with friends about birth
Setting: Community - specify		training	control/condoms and STIs (both p<0.01). No difference in the frequency of
After school programme	Intervention details		conversations with parents or other adults, or on the Dyadic Sexual
	Name: STAND	Baseline comparability	Communication Scale or Health Protection Communication Scale. STAND
Country: USA	Focus/aim: Abstinence and risk reduction for those who	Groups balanced at baseline:	participants had significantly greater gains in condom use self-efficacy
	do not abstain	Comments: Imbalance in ethnicity	compared to the comparison group (p<0.01) but there was no difference in
Funding source: MedCen	Programme type: Peer leadership		refusal skills self-efficacy.
Foundation, Medical Center of	Theoretical base: Diffusion of innovations theory and	<u>Attrition</u>	
Central Georgia, Georgia	the transtheoretical model	Number of participants completing	Health and social outcomes related to alcohol and sexual health
Chapter of the March of Dimes	Key components: Team-building exercises,	study: NR	There was no significant difference between the groups in the number of
	contraceptive demonstrations, visit to local health	Reasons for non-completion: NR	participants who 'non-virgins' at follow-up.
	department, skills practice, visits from an AIDS specialist		
	physician and nurse, and optional parent/teen activities		STAND participants were more likely than the comparison group to be
	Providers/delivers: AIDS Education Specialist, middle		'consistent' condom users at follow-up (p=0.05). There was no difference
	school counsellor, college interns		between groups in the number of participants who reported condom use at last
	Length, duration, intensity: 36 hrs over 4 months		intercourse or in the number of condom-protected or unprotected intercourse.
	Other details:		
	Comparator: NR		There was no difference in the number of participants who reported being
			involved in a pregnancy, but STAND participants were less likely to have been
			diagnosed with an STI (p<0.01). Alcohol and other drug use in conjunction
			with intercourse were not frequently reported in either group.

intervention delivered to naturally formed peer group increased condom use among African American adolescents  African American adolescents  African American adolescents  Age (range): median 11.3 years (range: 9-15 yrs)  Recreation centres  Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Institutes of Health  Programme type:  Theoretical base: Protection Motivation Theory (PMT)  Total n = 383 (108 groups)  Intervention, n = 206 (53 groups)  Time to follow-up: 12-months; 18-months; 24-months.  Other details: None  Total n = 383 (108 groups)  Intervention, n = 206 (53 groups)  Male n (%) = 50%  Mean age (range): median 11.3 years (range: 9-15 yrs)  Commonting: None  Other details: None  Other details: None  Baseline comparability  Groups balanced at baseline: NR  Comments: NR  Attrition  Number of participants completing study: 301 (79%) at 6 months; 278 (73%) at 12 months  Reasons for non-completion: NR  Health and social outcomes related to alcohol and sexual health  Self-reported condom use: Significantly greater overall among intervent condoms.  Programme type:  Theoretical base: Protection Motivation Theory (PMT)  Theoretical base: Protection Motivation Theory (PMT)	Study details	Intervention and population details	Analyses	Results
RCT (cluster) +	Stanton et al., (1996; 1997)	Population details	Process details	Knowledge and understanding
Consisting of 3-10 same-gender friends within 3 years of age of each other; aged 9 to 15 years whether an AIDS-risk reduction intervention delivered to naturally formed peer group increased condom use among African American adolescents  Male n (%) = 50%  Mean age (range): median 11.3 years (range: 9-15 yrs)  Ethnicity: 100% African American Cother baseline: 36% were sexually experienced and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Frogramme type: Theoretical base: Protection Motivation Theory (PMT)  Condet set in a Attitudes and values  Condom use intentions: Intervention participants were significantly morn at 6-months; 18-months; 24-months; 18-months; 18-months; 24-months to intend to use condoms than control participants (mean s 1.3 x 8 x 9.2 ye; pc-0.05), but at 12 months there was no difference between the summer of the follow-up: 12-months; 18-months; 18-months; 24-months to intend to use condoms than control participants were significantly morn at 6-months to intend to use condoms than control participants (mean s 1.3 x 8 x 9.2 ye; pc-0.05), but at 12 months there was no difference between ontones. As 4th 19-months is 18-months; 18-months; 18-months; 24-months; 18-months; 18-months; 24-months; 18-months; 23-months; 24-months; 18-months; 24-months; 18-months; 24-months; 18-months; 23-months; 24-months; 18-months; 24-months; 18-months; 24-months; 18-months; 24-months; 18-months; 23-months; 24-months; 18-months; 24-months; 18-months; 24-months; 23-months; 18-months; 24-months; 18-m		Inclusion: African American adolescents from	Data collection method(s):	Knowledge did not differ significantly between intervention and control
Objective: To examine whether an AIDS-risk reduction intervention delivered to naturally formed peer group increased condom use among African American adolescents Country: USA  Setting: Community - specify Recreation centres  Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health (Institutes of Health Peach Research, National Institutes of Health Pe	RCT (cluster) +	nine recreation centres; friendship group	Questionnaire/Survey	participants at either follow-up.
whether an AIDS-risk reduction intervention delivered to naturally formed peer group increased condom use among African American adolescents  Comparator, n = 177 (55 groups)  Male n (%) = 50%  Mean age (range): median 11.3 years (range: 9-15 yrs)  Exclusion: NR  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health  Agescarch, National Institutes of Health  Finding source: National Institutes of Health  Frocus/aim: Sessions focused on one or more endows.  Programme type:  Theoretical base: Protection Motivation Theory (PMT)  Exclusion: NR  Total n= 383 (108 groups)  Unit of allocation: Friendship groupings  Unit of allocation: Friendship groupings  Unit of allocation: Friendship groupings  Unit of analysis: Group  Time to follow-up: 12-months; 18-months; 24-months; 24-months; 24-months; 24-months.  Comparator, n= 177 (55 groups)  Male n (%) = 50%  Mean age (range): median 11.3 years (range: 9-15 yrs)  Ethnicity: 100% African American Other baseline: 36% were sexually experienced  Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institute of Health Agency for Healthcare Policy and Research, National Institute of Health  Frocus/aim: Sessions focused on one or more PMT constructs from difference perspectives.  Facts regarding AIDS, STIs, contraception and human development were also provided, as were condoms.  Programme type:  Theoretical base: Protection Motivation Theory (PMT)  Unit of allocation: Friendship groupings  Unit of allocation: Pick proup of the file of the file of the seconds: Group  Time to follow-up: 12-months; 18-months; 24-months; 24-months; 24-months; 24-months at 6-month follow-up.  Personal and social skills  NR  Health and social outcomes related to alcohol and sexual health  Self-reporte		consisting of 3-10 same-gender friends within 3	Statistical method(s) used to analyse data:	
intervention delivered to naturally formed peer group increased condom use among African American adolescents  African American adolescents  African American adolescents  Setting: Community - specify Recreation centres  Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  (PMT)  Total n = 383 (108 groups)  Intervention, n= 206 (53 groups)  Comparator, n= 177 (55 groups)  Male n (%) = 50%  Male n (%) = 50%  Maen age (range): median 11.3 years (range: 9-15 yrs)  Comparator, n= 177 (55 groups)  Male n (%) = 50%  Mean age (range): median 11.3 years (range: 9-15 yrs)  Control participants (mean s. 3.3 8 x. 2.92; pc.0.05), but at 12 months there was no difference between groups (mean score: 3.33 vs. 3.41).  Condom-related perceptions: Comparated to control participants, interver participants perceived greater peer use of condoms and perceived themselves as more vulnerable to HIV infection. These differences were longer apparent at the 12 month follow-up.  Attrition  Number of participants completing study: 301 (79%) at 6 months; 278 (73%) at 12 months  Reasons for non-completion: NR  Health and social outcomes related to alcohol and sexual health  Self-reported condom use: Significantly greater overall among intervent participants compared with control participants (mean s. 3.38 vs. 2.92; pc.0.05), but at 12 months there was no difference between groups (mean score: 3.39 vs. 3.41).  Condom-related perceptions: Compared use to control participants (mean s. 3.38 vs. 2.92; pc.0.05), but at 12 months there was no difference between groups (mean score: 3.39 vs. 3.41).  Condom-related perceptions: Compared vise to control participants of control participants of participants o	Objective: To examine	years of age of each other; aged 9 to 15 years	chi-square	Attitudes and values
Intervention, n= 206 (53 groups) Comparator, n= 177 (55 groups) African American adolescents Mean age (range): median 11.3 years (range: 9- 15 yrs) Recreation centres  Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health Agency for Healthcare Policy and Research, National Institutes of Health Institutes of Health Time to follow-up: 12-months; 18-months; 24-months.  Time to follow-up: 12-months; 18-months; 24-months.  Time to follow-up: 12-months; 18-months; 24-months.  Time to follow-up: 12-months; 18-months; 24-months  Time to follow-up: 12-months; 18-months; 24-months.  Time to follow-up: 12-months; 18-months; 24-months  Time to follow-up: 12-months; 18-months; 24-months  Male n (%) = 50%	whether an AIDS-risk reduction	Exclusion: NR	Unit of allocation: Friendship groupings	Condom use intentions: Intervention participants were significantly more likely
increased condom use among African American adolescents  Male n (%) = 50% Mean age (range): median 11.3 years (range: 9- 15 yrs) Setting: Community - specify Recreation centres  Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health  Mescreation and development were also provided, as were condoms.  Programme type: Theoretical base: Protection Motivation Theory (PMT)  Comparator, n = 177 (55 groups) Male n (%) = 50% Mean age (range): median 11.3 years (range: 9- 15 yrs)  Ethnicity: 100% African American Other details: None  Momental Health, Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Mescarage (Range): median 11.3 years (range: 9- 15 yrs)  Ethnicity: 100% African American Other details: None  Other details: None  Momental Health, Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy  Agency for Healthcare Policy  Agency for Healthcare Policy  Agency for Healthcare Policy  Agency for Healthcare Polic	intervention delivered to	<b>Total</b> n= 383 (108 groups)	Unit of analysis: Group	at 6-months to intend to use condoms than control participants (mean score:
African American adolescents  African American adolescents  African American adolescents  Amen age (range): median 11.3 years (range: 9- 15 yrs)  Ethnicity: 100% African American Other baseline: 36% were sexually experienced  Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health Institutes of Health Institutes of Health Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health  Agency for Healthcare Policy and Research, National Institutes of Health	naturally formed peer group	Intervention, n= 206 (53 groups)	Time to follow-up: 12-months; 18-months; 24-	3.38 vs. 2.92; p<0.05), but at 12 months there was no difference between
Setting: Community - specify Recreation centres  Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health  Institutes of Health  Theoretical base: Protection Motivation Theory (PMT)  Mean age (range): median 11.3 years (range: 9- 15 yrs)  Ethnicity: 100% African American Other baseline: 36% were sexually experienced  Other details: None  Other details: None  Differ details: None  Other details: None  Difference serving and perceived greater peer use of condoms and perceived themselves as more vulnerable to HIV infection. These differences were longer apparent at the 12 month follow-up.  Personal and social skills  NR  Health and social outcomes related to alcohol and sexual health  Self-reported condom use: Significantly greater overall among intervent participants completion: NR  Programme type:  Theoretical base: Protection Motivation Theory (PMT)  Theoretical base: Protection Motivation Theory (PMT)  Theoretical base: Protection Motivation Theory (PMT)  Theoretical base in the details: None  Difference were longer apparent at the 12 month follow-up.  Personal and social skills  NR  Health and social outcomes related to alcohol and sexual health  Self-reported condom use: Significantly greater overall among intervent participants compared with control participants at 6-months (85% vs. 6')  Theoretical base: Protection Motivation Theory (PMT)  Theoretical base: Protection Motivation Theory (PMT)	increased condom use among	Comparator, n= 177 (55 groups)	months.	groups (mean score: 3.33 vs. 3.41).
Setting: Community - specify Recreation centres    Setting: Community - specify Recreation centres	African American adolescents	<b>Male</b> n (%) = 50%		Condom-related perceptions: Compared to control participants, intervention
Recreation centres    Ethnicity: 100% African American Other baseline: 36% were sexually experienced Country: USA   Intervention details   Name: Focus on Kids   Fous/aim: Sessions focused on one or more and Research, National Institutes of Health   Institutes of Health   Name development were also provided, as were condoms.   Programme type: Theoretical base: Protection Motivation Theory (PMT)   Personal and social skills   NR   Personal and social skills   NR   NR   NR   Personal and social skills   NR   NR   Personal and social skills   NR   NR   Personal and social skills   Personal and social skills   NR   Personal and social skills   P		Mean age (range): median 11.3 years (range: 9-	Other details: None	participants perceived greater peer use of condoms and perceived
Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health Institutes of Health Programme type: Theoretical base: Protection Motivation Theory (PMT)  Other baseline: 36% were sexually experienced  Groups balanced at baseline: NR Comments: NR  Personal and social skills NR  Personal and social skills NR  Health and social outcomes related to alcohol and sexual health Self-reported condom use: Significantly greater overall among intervent participants completion: NR  Reasons for non-completion: NR  Focus/aim: Sessions focused on one or more PMT constructs from difference perspectives. Facts regarding AIDS, STIs, contraception and human development were also provided, as were condoms. Programme type: Theoretical base: Protection Motivation Theory (PMT)  Other baseline: NR Comments: NR  Personal and social skills NR  Health and social outcomes related to alcohol and sexual health Self-reported condom use: Significantly greater overall among intervent participants compared with control participants at 6-months (85% vs. 67 non-completion: NR  Feasons for non-completion: NR  Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months 18 months, control youth were more likely than intervention youths to entire the complex of the complex	Setting: Community - specify	15 yrs)		themselves as more vulnerable to HIV infection. These differences were no
Country: USA  Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health Institutes of Health  Forgramme type: Theoretical base: Protection Motivation Theory (PMT)  Comments: NR  Attrition  Numents: NR  Attrition Number of participants completing study: 301 (79%) at 6 months; 278 (73%) at 12 months Reasons for non-completion: NR  Personal and social skills NR  Health and social outcomes related to alcohol and sexual health Self-reported condom use: Significantly greater overall among intervent participants compared with control participants at 6-months (85% vs. 61 p<0.05), but at 12-months this difference was no longer significant (80% 73%).  Programme type: Theoretical base: Protection Motivation Theory (PMT)  Comments: NR  Attrition Number of participants completing study: 301 (79%) at 6 months; 278 (73%) at 12 months Reasons for non-completion: NR  Feasons for non-completion: NR  Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youths to entrol youth were more likely than intervention youth yere more likely than in	Recreation centres	Ethnicity: 100% African American	Baseline comparability	longer apparent at the 12 month follow-up.
Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health Institutes of Pocusional Institutes of Health Institutes of Health Institutes of Pocusional Institutes of Health Institutes of Pocusional Institutes of Health Institutes of Pocusional Institutes of Health Institutes of		Other baseline: 36% were sexually experienced	Groups balanced at baseline: NR	
Funding source: National Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health Institute	Country: USA		Comments: NR	Personal and social skills
Institute of Mental Health, Agency for Healthcare Policy and Research, National Institutes of Health  PMT constructs from difference perspectives. Facts regarding AIDS, STIs, contraception and human development were also provided, as were condoms.  Programme type: Theoretical base: Protection Motivation Theory (PMT)  Pocus/aim: Sessions focused on one or more PMT constructs from difference perspectives. Facts regarding AIDS, STIs, contraception and human development were also provided, as were condoms.  Programme type: Theoretical base: Protection Motivation Theory (PMT)  PMI constructs from difference perspectives. Facts regarding AIDS, STIs, contraception and human development were also provided, as were condoms.  Programme type: Theoretical base: Protection Motivation Theory (PMT)  Number of participants completing study: 301 (79%) at 6 months; 278 (73%) at 12 months Reasons for non-completion: NR  Health and social outcomes related to alcohol and sexual health Self-reported condom use: Significantly greater overall among intervent participants compared with control participants at 6-months (85% vs. 64) p<0.05), but at 12-months this difference was no longer significant (80%) 73%).  Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months 18 months, control youth were more likely than intervention youths to en		Intervention details		NR
Agency for Healthcare Policy and Research, National Institutes of Health Institutes of Health PMT constructs from difference perspectives. Facts regarding AIDS, STIs, contraception and human development were also provided, as were condoms. Programme type: Theoretical base: Protection Motivation Theory (PMT)  PMT constructs from difference perspectives. Facts regarding AIDS, STIs, contraception and human development were also provided, as were condoms. Programme type: Theoretical base: Protection Motivation Theory (PMT)  Self-reported condom use: Significantly greater overall among intervent participants compared with control participants at 6-months (85% vs. 61/73%).  Self-reported condom use: Significantly greater overall among intervent participants compared with control participants at 6-months (85% vs. 61/73%).  Self-reported condom use: Significantly greater overall among intervent participants compared with control participants compared with control participants at 6-months (85% vs. 61/73%).  Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months 18 months, control youth were more likely than intervention youths to en	Funding source: National	Name: Focus on Kids	Attrition	
and Research, National Institutes of Health  Facts regarding AIDS, STIs, contraception and human development were also provided, as were condoms.  Programme type:  Theoretical base: Protection Motivation Theory (PMT)  Facts regarding AIDS, STIs, contraception and human development were also provided, as were condoms.  Reasons for non-completion: NR  participants compared with control participants at 6-months (85% vs. 67 p<0.05), but at 12-months this difference was no longer significant (80% 73%).  Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months 18 months, control youth were more likely than intervention youths to en	Institute of Mental Health,	Focus/aim: Sessions focused on one or more	Number of participants completing study: 301	Health and social outcomes related to alcohol and sexual health
Institutes of Health  human development were also provided, as were condoms.  Programme type: Theoretical base: Protection Motivation Theory (PMT)  human development were also provided, as were condoms.  p<0.05), but at 12-months this difference was no longer significant (80% 73%).  Togramme type: Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months 18 months, control youth were more likely than intervention youths to en	Agency for Healthcare Policy	PMT constructs from difference perspectives.	(79%) at 6 months; 278 (73%) at 12 months	Self-reported condom use: Significantly greater overall among intervention
condoms.  Programme type: Theoretical base: Protection Motivation Theory (PMT)  Togramme type: Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months 18 months, control youth were more likely than intervention youths to element of the condomn.	and Research, National	Facts regarding AIDS, STIs, contraception and	Reasons for non-completion: NR	participants compared with control participants at 6-months (85% vs. 61%;
Programme type: Theoretical base: Protection Motivation Theory (PMT)  Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months 18 months, control youth were more likely than intervention youths to en	Institutes of Health	human development were also provided, as were		p<0.05), but at 12-months this difference was no longer significant (80% vs.
Theoretical base: Protection Motivation Theory (PMT)  Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months 18 months, control youth were more likely than intervention youths to en		condoms.		73%).
(PMT) 18 months, control youth were more likely than intervention youths to en		Programme type:		
		Theoretical base: Protection Motivation Theory		Long-term follow-up data from Stanton et al., 1997 [#163]: At 6 months and
1		(PMT)		18 months, control youth were more likely than intervention youths to engage
Key components: AIDS risk reduction in unprotected sex. Cumulatively in the post-intervention period, intervention		Key components: AIDS risk reduction		in unprotected sex. Cumulatively in the post-intervention period, intervention
Providers/delivers: Interventionists youth were less likely to have engaged in unprotected sex than control		Providers/delivers: Interventionists		youth were less likely to have engaged in unprotected sex than control
Length, duration, intensity: 8 weekly meetings (7 youths.		Length, duration, intensity: 8 weekly meetings (7		youths.
1.5 hrs long)		1.5 hrs long)		
Other details:				
Comparator: Invited to attend weekly sessions on		Comparator: Invited to attend weekly sessions on		
HIV prevention and access to condoms		HIV prevention and access to condoms		

Study details	Intervention and population details	Analyses	Results
Villarruel et al., (2006)	Population details	Process details	Knowledge and understanding
	Inclusion: Latino adolescents aged 13-18yrs, assent and	Data collection method(s):	NR
RCT (Individual) ++	parental consent.	Questionnaire/Survey	
	Exclusion: Non-Latino excluded from analysis.	Statistical method(s) used to analyse	Attitudes and values
Objective: To test the efficacy	<b>Total</b> n= 656	data: Chi-square, Poisson and negative	NR
of a prevention intervention to	Intervention, n= 312	binomial regression analyses and	
reduce sexual risk behaviour	Comparator, n= 344	independent sample t tests.	Personal and social skills
among Latino adolescents	<b>Male</b> n (%) = 45%	Unit of allocation: Individual	NR
	Mean age (range): mean 14.9 yrs (SD 1.49) (range 13-18	Unit of analysis: Group	
Setting: Community - specify	years)	Time to follow-up: post-test; 3mths;	Health and social outcomes related to alcohol and sexual health
After school (Saturdays)	Ethnicity: 100% Latino	6mths; 12mths.	Adolescents in the HIV intervention were less likely to report sexual
	Other baseline: 43% had ever had intercourse		intercourse (OR 0.66; 95% CI 0.46, 0.96), multiple partners (OR 0.53;
Country: USA		Other details: Participants were	95% CI 0.31, 0.90), and days of unprotected intercourse (RR 0.47; 95%
	Intervention details	compensated as much as \$110, \$40 after	CI 0.26, 0.84) and more likely to report using condoms consistently (OR
Funding source: Grant	Name: Cuidate! (Adaption of 'Be Proud! Be Responsible!')	completion of the first 2-session	1.91; 95% CI 1.24, 2.93). There were no significant effects of the
NR04855 from the National	Focus/aim: STD's	intervention, \$20 for the 3- and 6-month	intervention on condom use at last sex (OR 1.45; 95% CI 0.97, 2.15) or
Institute of Nursing Research	Programme type: Community-based	follow-ups, and \$30 for the 12-month	proportion of days of protected sex.
	Theoretical base: Social cognitive theory and theories of	follow-up.	
	reasoned action and planned behaviour.		Baseline sexual experience and language use moderated intervention
	Key components: Abstinence and condom use were	Baseline comparability	efficacy. Adolescents assigned to the HIV intervention who were sexually
	presented as culturally accepted and effective ways to prevent	Groups balanced at baseline: Yes	inexperienced at baseline reported fewer days of unprotected sex (RR
	STIs.	Comments:	0.22; 95% CI 0.08, 0.63); Spanish speakers were more likely to have
	Providers/delivers: Trained facilitators		used a condom at last intercourse (OR 4.73; 95% CI 1.72, 12.97) and
	Length, duration, intensity: 8 hrs over 2 days	Attrition	had a greater proportion of protected sex (mean difference 0.35; p<0.01)
	Other details:	Number of participants completing	compared with similar adolescents in the health-promotion intervention.
	Comparator: Focused on behaviours related to significant	<b>study</b> : n=550 (84%)	
	health issues affecting Latinos, inc diet, exercise, substance	Reasons for non-completion: Moved	
	use.	away or refused to participate	

## 2.3 Programmes delivered to parents and families

Study details	Intervention and population details	Analyses	Results
Anderson et al., (1999)	Population details	Process details	Knowledge and understanding
	Inclusion: Young people and their parents	Data collection method(s):	Not reported
RCT (cluster) -	attending summer and after-school	Questionnaire/Survey	
	programmes and in-school classes; provided	Statistical method(s) used to analyse	Attitudes and values
Objective: To evaluate an	complete data.	data: Repeated measures ANOVA	No significant differences between groups at follow up for reasons why participants
intervention to reduce sexual risk	Exclusion: NR	Unit of allocation: Groups of adolescents	"would NOT have sex now". Both groups indicated they considered the influence of
behaviours and pregnancy	Total n= 251 (464 participants in original	Unit of analysis: NR	friends and parents to be more important than at pre-test and both increased the
	sample)	Time to follow-up: 12 months	total number of reasons why they would not have sex at 12 months.
Setting: Community centres and	Intervention, n= 185		
schools	Comparator, n= 66	Other details: NA	Personal and social skills
	<b>Male</b> n (%) = 41%		For parent-child communication, the RAP group showed significant change between
Country: USA	Mean age (range): mean 10.6 years	Baseline comparability	pre-test and posttest as compared with delayed RAP group (effect size 0.02;
	Ethnicity: 46% Hispanic; 21% African	Groups balanced at baseline: Yes	p<0.05). This difference was not maintained at 12 month follow up (p>0.05).
Funding source: NR	American; 13% European-American; 6%	Comments: NA	
	Asian American; 2% Native American; 5%		RAP; delayed RAP: M (SD)
	other; 8% unknown	Attrition	Post-test: 2.8 (0.7); 2.6 (0.7)
	Other baseline:	Number of participants completing study:	12 months: 2.6 (0.6); 2.6 (0.7)
		251 (54%) provided complete data	
	Intervention details	Reasons for non-completion: Left the	Health and social outcomes related to alcohol and sexual health
	Name: Reaching Adolescents and Parents	area, dropped out, did not complete one of	No significant differences in pregnancy rates.
	(RAP)	pre-test, post-test or follow up	
	Focus/aim: To improve parent-child		Self-reported ever being pregnant:
	communication and delay the onset of		Pre-test: RAP group n=3, 1.7%; delayed-RAP group n=1, 1.6%
	adolescent sexual debut.		Follow Up: RAP group n=4, 2.5%; delayed-RAP group n=2, 4.3%
	Programme type: Family life		
	education/sexual risk reduction		
	Theoretical base: Social learning theory		
	Key components: Sessions on risk		
	reduction, media and peer pressure, values		
	reinforcement, and confidence building skills.		
	Providers/delivers: NR		
	Length, duration, intensity: 8 sessions		
	Other details: Six adolescent-only sessions;		
	one parent-only; and one combined parent		
	and adolescent session including interactive		
	activities		
	Comparator: Delayed intervention		

Study details	Intervention and population details	Analyses	Results
Dancy et al., (2006)	Population details	Process details	Knowledge and understanding
	Inclusion: African American, female, low	Data collection method(s):	Mediating outcome variables (age, maternal monitoring, and intervention group)
RCT (cluster) +	income; live in designated community and	Questionnaire/Survey	were examined to predict HIV knowledge and self-efficacy at refusing sex. No
	mother and daughter live together	Statistical method(s) used to analyse	significant difference was found for those exposed to HERR and MDRR. However,
Objective: The Mother/Daughter	Exclusion: NR	data: ANOVA, logistic regression,	those participating in MDHP had less HIV transmission knowledge and less self-
HIV risk-reduction (MDRR) - aimed	Total n= Daughters=262	generalised linear modelling,	efficacy to refuse sex than those in MDRR (P<0.01).
at mothers of adolescent daughters	Intervention, n= MDRR=103	Unit of allocation: Community site	
	Comparator, n= MDHP=62; HERR=97	Unit of analysis: Group	At time 2 the adolescents varied significantly in mean HIV transmission knowledge
Setting: Parent	<b>Male</b> n (%) = 0	Time to follow-up: 1-2 weeks after	
	Mean age (range): mean 12.4 (range:	daughter's training completion	Attitudes and values
Country: USA	years)		At time 2 the adolescents varied significantly in mean self-efficacy to refuse sex and
	Ethnicity: African American	Other details: None	intention to refuse sex. Those adolescents in the two conditions with HIV-prevention
Funding source: National Institute	Other baseline:		content (MDRR and HERR) had significantly better outcomes than those in MDHP
of Mental Health		Baseline comparability	
	Intervention details	Groups balanced at baseline: Yes	Personal and social skills
	Name: The Mother/Daughter HIV risk-	Comments: demographics examined, same	NR
	reduction (MDRR)	on four characteristics	
	Focus/aim: reduce sexual activity, increase		Health and social outcomes related to alcohol and sexual health
	HIV transmission knowledge, self-efficacy	<u>Attrition</u>	Adolescents who participated in MDRR reported greater intentions to refuse sex and
	and intention to refuse sex	Number of participants completing study:	were less likely to be sexually active than those in MDHP. Specifically, daughters in
	Programme type: HIV risk-reduction	91% at time 2	MDHP were 4.8 times as likely to be sexually active than those in MDRR.
	Theoretical base: cognitive behavioural	Reasons for non-completion: NR	
	skills, Fishbein and Ajzen's behavioural		
	intentions; Collins' community-other-mothers		
	Key components: mother's active		
	involvement: in one condition (MDRR)		
	mothers received the curriculum and then		
	trained their daughters.		
	Providers/delivers: Health experts		
	Length, duration, intensity: 6x2hr weekly		
	sessions for mothers - 12 weeks training		
	Other details: Health Experts		
	Comparator: Mother/Daughter health		
	promotion curricula; Health Expert HIV Risk		
	Reduction where health experts taught the		
	girls rather than mothers.		

Study details	Intervention and population details	Analyses	Results
Dilorio et al., (2006)	Population details	Process details	Knowledge and understanding
	Inclusion: Aged 11-14 years; member of the	Data collection method(s):	HIV knowledge at 4 months: Adolescents in the SCT and control groups had significantly
RCT (cluster) ++	Boys and Girls Club; and living with their	Questionnaire/Survey	higher knowledge in comparison to the LSK group (p<0.05). Mothers in the SCT group
	mothers	Statistical method(s) used to	demonstrated a significant increase in knowledge about HIV at 4 months compared to
Objective: To test two interventions	Exclusion: NR	analyse data: Repeated measures	the LSK and control groups (p<0.01).
(one based on social cognitive	Total n= 582	ANOVA; chi-square	
theory [SCT] and one life skills	Intervention, LSK = 187; SCT = 194	Unit of allocation: Boys and Girls	Attitudes and values
program [LSK]) aimed at mothers	Comparator, n= 201	clubs	No significant differences between groups at 4 months for outcome expectations for
and adolescents in delaying	<b>Male</b> n (%) = 229 (39%)	Unit of analysis: Group	abstinence or self-efficacy for abstinence. No differences for mothers' self-efficacy or
initiation of sexual intercourse for	Mean age (range): mean 12 years	Time to follow-up: 4-,12- and 24-	outcome expectations.
youth who are not sexually active	Ethnicity: NR	months from baseline	
and encouraging the use of	Other baseline: Abstinence rate, 88% control;		Personal and social skills
condoms among sexually active	92% LSK; 93% SCT	Other details: NA	No significant differences between groups at four months for communication with mother
youth	Intervention details		or comfort talking to mother about sex. In addition, no differences for mothers' general
	Name: Keepin' It R.E.A.L	Baseline comparability	comfort talking about sex or communication about sex between groups.
Setting: Family	Focus/aim: To delay sexual initiation/increase	Groups balanced at baseline: No	At 24 months mothers in the two intervention groups were significantly more likely to
	condom use in sexually active youth	Comments: "some sites had a greater	indicate they had discussed sex related communication topics in the past 3 months
Country: USA	Programme type: HIV prevention programme	proportion of males" p<.001	(p<0.01), that they definitely will discuss these topics in the future (p<0.01), that they had
	Theoretical base: Social cognitive theory;		a high comfort talking about the topic (p<0.001)
Funding source: National Institute	problem behaviour theory	<u>Attrition</u>	
of Mental Health	Key components: SCT intervention: Four	Number of participants completing	At 24 months:
	mother daughter sessions together and three	study: 4 months, 94%; 12 months,	% mothers discussed sex in past 3 months: SCT 79; LSK 85; Control 71, p<0.01
	separate. Sessions included discussion,	93%; 24 months, 90%	% mothers definitely will discuss sex in future: SCT 78; LSK 71; Control 63, p<0.01
	games, role plays, skits. Take home activities	Reasons for non-completion: NR	% mothers high comfort talking about sex: SCT 65; LSK 60; Control 45, p<0.001
	augmented session content.		
	LSK intervention: Joint first and last sessions,		Health and social outcomes related to alcohol and sexual health
	separate for all other sessions. Interactive		No significant differences between groups at 4 months for abstinence rate and intimate
	adolescent sessions including role play,		behaviours; sexual possibility situations
	games, discussions, demonstrations; take		Sexually active participants in the LSK intervention group showed a significant increase
	home activities. Participants visited senior		in the condom use rate compared to in the SCT and control groups for past 30 days
	centres and participated in a community		(p<0.05) and in the past 6-12 months (p<0.05). No significant differences for condom use
	service activity. Mothers' sessions included		in past 3 months.
	relaxation, discussion and reflection		
	Providers/delivers: NR		At 24 months sexually active participants in the SCT and LSK groups were significantly
	Length, duration, intensity: Seven 2-hour		more likely to report using a condom the last time they had sex and indicated that they
	sessions over 14 weeks		would end sexual activity until they were older (not significant)
	Other details:		At 24 months
	Comparator: Received a 1-hour HIV		% used a condom last time they had sex: SCT 96; LSK 100; Control 85; p<0.05
	prevention session including video and		% would use a condom every time they had sex: SCT 100; LSK 100; Control 94
	discussion		% end sexual activity until they were older: SCT 43%; LSK 47%; Control 24%

Study details	Intervention and population details	Analyses	Results
Dilorio et al., (2007)	Population details	Process details	Knowledge and understanding
	Inclusion: 11-14 year old male members of Boys &	Data collection method(s): One on one	NR
RCT (cluster) +	Girls Clubs; fathers were eligible if aged 18 years or	interviews	
	older, were identified by the mother as a significant	Statistical method(s) used to analyse	Attitudes and values
Objective: To test the efficacy	influence in the adolescent's life, and had at least a	data: t-tests and chi square	Intentions about having sexual intercourse. INT; (proportion; p value; 95%CI):
of an intervention among 11-14	1 year relationship with the adolescent.	Unit of allocation: Boys & Girls club sites	CON; proportion
year old adolescent boys to	Exclusion:	Unit of analysis: Organisation/institution	3 months: 0.45; 0.110; -0.06-0.29: 0.34
promote or delay sexual	<b>Total</b> n= 554 (100%)	Time to follow-up: 3, 6 and 12 months	6 months: 0.52; 0.140; -0.10-0.39: 0.38
intercourse, condom use	Intervention, n= fathers = 141 (52%)	follow-up	12 months: 0.42; 0.040; 0.00-0.17: 0.34
among those who are sexually	Comparator, n= fathers = 132 (48%)		
active, and communication on	<b>Male</b> n (%) = (100%)	Other details: Justification provided for	Personal and social skills
sexuality between fathers and	Mean age (range): 11-14 year old boys and their	using unit of allocation for analysis	Father's reports
sons.	fathers		Discussion of sex-related topics at INT; (M (SD); p value; 95%CI): CON; M (SD)
	Ethnicity: primarily African American	Baseline comparability	3 months: 22.60 (14.22); 0.037; 0.68-10.88: 18.29 (15.89)
Setting: Parent	Other baseline: Father characteristics including	Groups balanced at baseline: Yes	6 months: 22.98 (13.97); 0.162; -1.21-3.93: 20.38 (16.01)
Boys & Girls Youth Clubs	income, education; sons' characteristics including	Comments: None	12 months: 23.33 (14.37); 0.042; 0.22-6.41: 19.77 (15.27)
	sexual behaviour		
Country: USA		<u>Attrition</u>	Intention to discuss sex-related topics INT; (M (SD); p value; 95%CI): CON; M
	Intervention details	Number of participants completing study:	(SD)
Funding source: National	Name: REAL Men programme	221 (80%)	3 months: 72.75 (10.05); 0.131; -2.56-10.70: 70.10 (13.68)
Institutes of Mental Health	Focus/aim: to promote the delay of sexual initiation,	Reasons for non-completion: NR	6 months: 70.51 (10.12); 0.319; -3.57-5.82:70.50 (13.28)
	increase condom use in sexually active participants		12 months: 70.37 (12.37); 0.033; 0.61-7.32:67.32 (14.66)
	and increase communication between sons and		
	fathers relating to sexuality		Reports regarding sex-related topics among adolescent boys at follow-up
	Programme type: HIV prevention intervention		Discussion of sex-related topics at INT; (M (SD); p value; 95%CI): CON; M (SD)
	Theoretical base: social cognitive theory		3 months: 23.19 (12.57); 0.094; -1.07-6.59: 20.54 (13.51)
	Key components: lectures, discussions, role-plays,		6 months: 22.73 (13.91); 0.111; -0.49-3.45: 21.93 (14.35)
	games, videotapes and homework as well as weekly		12 months: 23.63 (12.50); 0.080; -0.57-7.52: 20.02 (13.73)
	goals		
	Providers/delivers: NR		Health and social outcomes related to alcohol and sexual health
	<b>Length, duration</b> , intensity: fathers 7 2hr sessions;		Intimate behaviours. INT; (M (SD); p value; 95%CI): CON; M (SD)
	sons 1 (final) session.		3 months: 3.50 (2.68); 0.083; -2.07-0.24: 4.25 (2.75)
	Other details:		6 months: 3.99 (2.64); 0.050; -1.48 to -0.02: 4.62 (2.69)
	Comparator: 7 session nutrition and exercise		12 months: 4.42 (2.67); 0.217; -1.48-0.64:4.61 (2.96)
	programme		
			Sexual abstinence rate. INT; (proportion; p value; 95%CI): CON; proportion
			3 months: 0.81; 0.160; -0.06-0.18: 0.75
			6 months: 0.75; 0.050; 0.00-0.11: 0.69
			12 months: 0.67; 0.380; -0.11-0.08: 0.68

	E	Ever had sexual intercourse without a condom. INT; (proportion; p value; 95%CI):
		CON; proportion
	3	3 months: 0.23; 0.060; -0.50-0.02: 0.48
		6 months: 0.32; 0.120; 0.42 to -0.07: 0.57
	1	12 months: 0.23; 0.030; -0.61 to -0.06: 0.57

PSHE Community review

Jones et al (2010)

Study details	Intervention and population details	Analyses	Results
Forehand et al., (2007)	Population details	Process details	Knowledge and understanding
	Inclusion: child was aged 9-12 years. Parent	Data collection method(s):	NR
RCT (individual) +	was the legal guardian of the preadolescent	Questionnaire/Survey	Attitudes and values
	and lived continuously with him/her for the	Statistical method(s) used to	NR
Objective: Sexual risk-	past 3 years. The parent self-defined as	analyse data: ANCOVA; relative risk	Personal and social skills
reduction programme aimed at	African American; and the parent and	calculated	Differences of mean change calculated
African American adolescents -	preadolescent were fluent in English.	Unit of allocation: Individual	Sexual communication - parent report
3 study arms	Exclusion: NR	Unit of analysis: Group	Post-test; 6-mts; 12-mts (diff of mean change (95%CI))
	<b>Total</b> n= 1115	Time to follow-up: 6 and 12 months	Enhanced (full intervention) vs. single session:
Setting: Parent	Intervention, n= Enhanced - 378 (33.9%);		0.90 (0.36-1.44); 0.67 (0.10-1.24); 0.49 (-0.09-1.07)
	single-session 371 (33.3%)	Other details: intent to treat analysis	Enhanced (full intervention)* vs. control:
Country: USA	<b>Comparator</b> , n= 366 (32.8%)	conducted	1.59 (1.04-2.13; 1.54 (0.97-2.13); 1.21 (0.62-1.79)
	Male n (%) = youth - 45%; parent - 12.3%		Enhanced (any intervention)* vs. single session:
Funding source: Cooperative	Mean age (range): 9-12 years old	Baseline comparability	0.84 (0.42-1.25); 0.70 (0.26-1.15); 0.78 (0.31-1.24)
Agreement grant from the	Ethnicity: African American	Groups balanced at baseline: Yes	Enhanced (full intervention) vs. control:
Centres for Disease control	Other baseline: NR	Comments: None	1.34 (0.93-1.76); 1.36 (0.92-1.81); 1.32 (0.85-1.79)
and Prevention			Single session vs. control:
	Intervention details	<u>Attrition</u>	0.50 (0.09-0.92); 0.66 (0.21-1.11); 0.54 (0.08-1.01)
	Name: Parents Matter!	Number of participants completing	
	Focus/aim: To improve parent/child	study: enhanced - 84%; single	Sexual communication - Preadolescent report
	communication about sexual behaviour	session - 74%; control - 70	PT; 6-mts; 12-mts (diff of mean change (95%CI))
	Programme type: sexual risk-reduction	Reasons for non-completion: NR	Enhanced (full intervention) vs. single session:
	Theoretical base: NR		1.22 (0.57-1.88); -0.05 (-0.76-0.66); 0.47 (-0.27-1.22)
	Key components: Group sessions focussing		Enhanced (full intervention) vs. control:
	on increasing on increasing parents'		1.93 (1.27-2.60); 0.50 (-0.22-1.23); 0.52 (-0.24-1.28)
	communication about sexual topics		Enhanced (any intervention) vs. single session:
	Providers/delivers: facilitators		0.78 (0.29-1.28); -0.04 (-0.56-0.49); 0.51 (-0.05-1.07)
	Length, duration, intensity: Enhanced: five		Enhanced (any intervention) vs. control:
	2.5 hour session s; Single: one session		1.35 (0.85-1.84); 0.42 (-0.11-0.95); 0.57 (0.01-1.14)
	Other details: NR		Single session vs. control:
	Comparator: Single session condition: one		0.56 (0.07-1.06); 0.46 (-0.08-0.99); 0.06 (-0.50-0.62)
	2.5 hour session of communication; second		
	control: one 2.5 hour session on general		Parental responsiveness to sexual communication - parental report.
	health		PT; 6-mts; 12-mts (diff of mean change (95%CI))
			Enhanced (full intervention) vs. single session:
			0.67 (0.35-0.99); 0.51 (0.18-0.83); 0.44 (0.10-0.78)
			Enhanced (full intervention) vs. control:
			0.74 (0.42-1.07); 0.77 (0.44-1.10); 0.66 (0.32-1.00)
			Enhanced (any intervention) vs. single session:
			0.58 (0.38-0.82); 0.44 (0.18-0.69); 0.45 (0.19-0.72)

Enhanced (any intervention) vs. control:
0.57 (0.32-0.81); 0.55 (0.29-0.80); 0.54 (0.27-0.80)
Single session vs. control:
-0.01 (-0.26-0.23); 0.11 (-0.14-0.37; 0.08 (-0.18-0.35)
Parental responsiveness to sexual communication - preadolescent report.
PT; 6-mts; 12-mts (diff of mean change (95%CI))
Enhanced (full intervention) vs. single session:
0.42 (0.05-0.79); 0.32 (-0.07-0.72); 0.08 (-0.29-0.46)
Enhanced (full intervention) vs. control:
0.48 (0.11-0.86); 0.66 (0.25-1.06); 0.28 (-0.10-0.67)
Enhanced (any intervention) vs. single session:
0.35 (0.07-0.62); 0.19 (-0.10-0.49); 0.05 (-0.24-0.34)
Enhanced (any intervention) vs. control:
0.43 (0.16-0.71); 0.48 (0.18-0.78); 0.26 (-0.03-0.55)
Single session vs. control:
0.09 (-0.19-0.36); 0.29 (0.02-0.59); 0.21 (-0.08-0.50)
Health and social outcomes related to alcohol and sexual health
Preadolescents at sexual risk:
Intent-to-treat preadolescents
(RR; 95% CI)
Enhanced intervention vs. single-session (0.98; 0.69-1.39)
Enhanced intervention vs. control (1.04; 0.73-1.46)
Single session vs. control (1.06; 0.77-1.45)
subgroup analysis - preadolescents whose parents attended all 5 enhanced sessions, the 1
single session or the 1 control session:
Enhanced intervention vs. control (0.65; 0.41-1.03)
Enhanced intervention vs. single session (0.62; 0.40-0.97)
*Enhanced (full intervention) = attended all intervention sessions; Enhanced (any intervention)
= attended one or more, but not all intervention sessions

Study details	Intervention and population details	Analyses	Results
Gustafson et al., (1998)	Population details	Process details	Knowledge and understanding
	Inclusion: Convenience sample of parents and their	Data collection method(s):	NR
NRCT +	children from a rural area.	Questionnaire/Survey	
	Exclusion: NR	Statistical method(s) used to analyse	Attitudes and values
Objective: To test the	Total n= 58 families (89 parents, 63 young people)	data: ANCOVA	Young people in the intervention group scored significantly higher than those in
effectiveness of a parent-	Intervention, n= 34 families	Unit of allocation: Individual	the control group on the Satisfaction with Personal Sexuality scale (p<.05) and on
based intervention in changing	Comparator, n= 24 families	Unit of analysis: Individual	the Clarity of Personal Sexual Values (p<.01). There was no difference on other
parental attitudes and	<b>Male</b> n (%) = 42%	Time to follow-up: Post-test	measures of adolescent sexual well-being: attitude toward sexuality, quality of
behaviours and in effecting	Mean age (range): mean 14 years (range 12-16 yrs)		communication with mother or father, frequency of communication,
adolescent sexual well-being.	Ethnicity: Majority White	Other details: None	understanding personal sexual response, sexual values of fidelity, attitude toward
	Other baseline: NA		the use of pressure and force in sexual activity, intentions of sexual intercourse,
Setting: Parent		Baseline comparability	and skills to avoid sexual pressure.
	Intervention details	Groups balanced at baseline: No	
Country: USA	Name: Let's Talk: Sex is for Love	Comments: Some differences on sexual	Personal and social skills
	Focus/aim: Strengthen parental norms and support,	health measures at pretest	Parents in the intervention group had a significantly greater improvement in their
Funding source: NR	help parents promote sexual values of fidelity, initiate		scores on the measure of the Quality of Communication with Teen scale in
	communication on sexual behaviour, monitor behaviour	<u>Attrition</u>	comparison to the control group (mean [SD]: 0.19 [0.51] vs0.05 [0.60]; p<0.05).
	and establish family norms for dating and sexual	Number of participants completing	No difference on other measures of parental norms (sexual values of fidelity,
	behaviours.	study: 78% intervention; 97% control	frequency of communication, and monitoring) or on measures of social support
	Programme type: Parent-targeted programme	Reasons for non-completion: NR	behaviours (family cohesion and shared family activities).
	Theoretical base: NR		
	Key components: Parenting workshop and in-home		Health and social outcomes related to alcohol and sexual health
	exercises to complete as a family		NR
	Providers/delivers: Parish nurse		
	Length, duration, intensity: 3-hour workshop session;		
	four weekly in-home exercises		
	Other details: NR		
	Comparator: No intervention		

Study details	Intervention and population details	Analyses	Results
Lederman et al., (2004)	Population details	Process details	Knowledge and understanding
	Inclusion: Parent and child dyads from 5	Data collection method(s):	Not reported
RCT (Individual) -	middle schools	Questionnaire/Survey	
	Exclusion: NR	Statistical method(s) used to analyse	Attitudes and values
Objective: To examine the effects	Total n= 804	data: Regression analyses	Youth that participated in the parent-involved social learning curriculum had a higher
of an experimental program on	Intervention, n= 90 (11%);	Unit of allocation: Individual	post programme total score. The experimental condition made significant
attitudes and intentions regarding	<b>Comparator</b> , n= (1) 80 (10%); (2) 634 (79%)	Unit of analysis: Individual	contributions in prediction of the post-test domain score for intentions with regard to
early sexual behaviours. Two	<b>Male</b> n (%) = 45%	Time to follow-up: 3-6 months post-	having sex. Youth that participated in the parent-involved social learning curriculum
intervention groups - the EP group	Mean age (range): 11-15 years	intervention	expressed more definite intentions to postpone sexual involvement.
(received curriculum that leverages	Ethnicity: 38% Hispanic; 26% African		
social learning approaches for	American; 25% White; 10% Other	Other details: NA	No statistically significant differences between intervention and control students on
involving parents as teachers) and	Other baseline:		expectancies regarding consequences of risky sexual behaviour, attitudes toward
the AC group (traditional didactic		Baseline comparability	risk behaviours, and perceptions of parents' disapproval of the youth's involvement
format)	Intervention details	Groups balanced at baseline: NR	in risk behaviours.
	Name: Parent-Adolescent Relationship	Comments: NR	
Setting: Community - specify	Education (PARE)		Personal and social skills
After school	Focus/aim: Strengthening family interaction	Attrition	No statistically significant differences between intervention and control students on
	and prevention of sexual risks, HIV,	Number of participants completing study:	discourse with parents about sexual and other risk behaviours.
Country: USA	adolescent pregnancy	NR	
	Programme type: Reducing sexual risk	Reasons for non-completion: NR	Health and social outcomes related to alcohol and sexual health
Funding source: NR	behaviours		Not reported
	Theoretical base: NR		
	Key components: Parent training sessions		
	based on social learning approaches for		
	involving parents as teachers.		
	Providers/delivers: Health educators and		
	counsellors		
	Length, duration, intensity: 4-week series		
	of 2.5 hour sessions plus 3 boosters		
	Other details:		
	Comparator: (1) Same information as the		
	intervention group but delivered in a		
	traditional, didactic format; (2) Did not		
	receive intervention.		

Study details	Intervention and population details	Analyses	Results
Lederman et al., (2008)	Population details	Process details	Knowledge and understanding
	Inclusion: Adolescents and their parents	Data collection method(s):	Compared with the ACP group, the PARE group showed increases in knowledge
RCT (Individual) -	from five schools	Questionnaire/Survey	about transmission of and protection against pregnancy and HIV/AIDS (p<0.05).
	Exclusion: NR	Statistical method(s) used to analyse	
Objective: To compare the effects	Total n= 192 families	data: Regression analyses	Attitudes and values
of an interactive safer sex promotion	Intervention, n= 90 (47%)	Unit of allocation: Individual	No differences between programs or across time in self-efficacy for prevention or in
programme with a traditional	Comparator, n= 102 (53%)	Unit of analysis: Individual	the use of behavioural options for resisting pressure to have sex. However, there
didactic programme	<b>Male</b> n (%) = 79 (41%)	Time to follow-up: approx 2 years	was a reduction in the diversity of responses on this measure in the ACP group,
	Mean age (range): 11-15 years		whereas responses remained consistent for the PARE group (p<0.05).
Setting: Family	Ethnicity: 36% Hispanic; 29% African	Other details: NA	
	American; 24% White; 11% Asian or Other		Personal and social skills
Country: USA	Other baseline: NA	Baseline comparability	Compared with the ACP group, the PARE group yielded increases in the extent to
		Groups balanced at baseline: NR	which parents were reported to have definite rules about their child's behaviours
Funding source: National Institutes	Intervention details	Comments: NR	(p<0.05). No difference between groups in parent involvement in their child's
of Health	Name: Parent-Adolescent Relationship		activities.
	Education (PARE)	<u>Attrition</u>	
	Focus/aim: To reduce risks for pregnancy	Number of participants completing study:	In both groups the frequency of talking with parents about sex, risks and protection
	and STDs	NR	decreased over time (p<0.01). However, there was a significant increase in the
	Programme type: Safer sex promotion	Reasons for non-completion: NR	frequency of talking with friends in both groups (p<0.001).
	Theoretical base: Social learning theories;		
	behavioural cognitive theories		No differences between groups concerning comfort in communication with parents.
	Key components: Teacher and peer		
	modelling of communication and		*With regards to dating, going to parties, drinking alcohol, staying out late, choosing
	assertiveness behaviours plus role play;		where to go after school; having sex and using contraception.
	practice opportunities for applying problem		
	solving, decision making and assertive		Health and social outcomes related to alcohol and sexual health
	communication skills; activities to		Not reported
	personalise information about sexuality and		
	reproduction; exercises to enhance self-		
	efficacy; parent and child discussion		
	Providers/delivers: Health educators and		
	counsellors		
	Length, duration, intensity: 4 2.5-hr weekly		
	sessions + boosters in 3 semesters		
	Other details:		
	Comparator: Attention Control Programme		
	(ACP): same curriculum as the intervention		
	but delivered in a traditional, didactic format.		

Study details	Intervention and population details	Analyses	Results
McKay et al., (2004); McBride et	Population details	Process details	Knowledge and understanding
al., (2007)	<b>Inclusion</b> : Young people in 4 <sup>th</sup> and 5 <sup>th</sup>	Data collection method(s): Questionnaire	No significant differences at post-test between intervention and control groups on
	grade, and their families, from four	and interviews	knowledge about or attitudes towards HIV/AIDS
CBA -	elementary schools	Statistical method(s) used to analyse	
	Exclusion: NR	data: NR; t-tests reported	Attitudes and values
Objective: To examine a family-	Total n= 564	Unit of allocation: NA	NR
based HIV preventive intervention	Intervention, n= 274 (49%)	Unit of analysis: Group	
designed to reduce the amount of	<b>Comparator</b> , n= 290 (51%)	Time to follow-up: Immediate post-test	Personal and social skills
time spent in situations of sexual	<b>Male</b> n (%) = 194 (42%) at FU		Significant differences at post-test between intervention and control groups in family
possibility and delay the initiation of	Mean age (range): 4th/5th grade children	Other details:	decision making (p<0.05). Parents more likely to make decisions in the intervention
sexual activity.	Ethnicity: ~99% African American		group. Significant improvements in comparison to controls for CHAMP participants
	Other baseline:	Baseline comparability	in parental monitoring & supervision (p<0.01), family communication regarding
Setting: Family, After-school		Groups balanced at baseline: No	sensitive issues (p<0.01) and in communication comfort (p<0.01).
	Intervention details	Comments: Not discussed; large	
Country: USA	Name: CHAMP family programme	differences between groups apparent from	Children in the intervention group reported a significantly higher level of family
	Focus/aim: To delay initiation of sexual	data presented.	conflict (p<0.01)
Funding source: National Institute	activity; reduce time spent in situations of		
of Mental Health Office on AIDS;	sexual possibility	<u>Attrition</u>	Health and social outcomes related to alcohol and sexual health
W.T. Grant Foundation	Programme type: HIV prevention	Number of participants completing study:	Significant effect of intervention on time spent in situations of sexual possibility at
	Theoretical base: NR	465 (82%)	post-test. Young people in the intervention reported that they were in situations of
	Key components: Discussion of sexual	Reasons for non-completion: NR	sexual possibility significantly less often compared to controls (p=0.01).
	possibility situations, puberty and HIV/AIDS;		
	practice in family communication		
	Providers/delivers: Programme leaders		
	(mental health interns, and 1-2 community		
	consultant/parent co-facilitators).		
	Length, duration, intensity: 12, 90-minute		
	weekly meetings		
	Other details:		
	Comparator: Involved in CHAMP family		
	study but did not receive the intervention		

Study details	Intervention and population details	Analyses	Results
Miller et al., (1993)	Population details	Process details	Knowledge and understanding
	Inclusion: Families with a 7 <sup>th</sup> or 8 <sup>th</sup> grade	Data collection method(s):	Sexual knowledge significantly increased in the intervention group (p<0.001) and
RCT (Individual) +	child in two counties and two cities.	Questionnaire/Survey	among their fathers (p<0.01) when compared to the control families. There was no
	Exclusion: NR	Statistical method(s) used to analyse	effect of the intervention on mothers' sexual knowledge. At the delayed post-test
Objective: To evaluate the	Total n= 548 families	data: Repeated measures ANOVA	there was no difference in knowledge between the intervention and control groups.
effectiveness of a sex education	Intervention, Video only n=132; Video +	Unit of allocation: Individual	
curriculum in three groups: one	newsletter n=126	Unit of analysis: Individual	Attitudes and values
received videos plus newsletters;	Comparator, n= 290	Time to follow-up: 1-year	Intervention group fathers (p<0.05) and mothers (p<0.001) showed significantly
one received the videos only and	<b>Male</b> n (%) = NR		greater abstinence values at follow up compared to control parents. There was no
the control group received neither	Mean age (range): mean 13.9 years	Other details:	effect of the intervention on teens' likelihood of sex before marriage or in the next
	Ethnicity: Mothers and fathers were 93%		year, or teens' abstinent sexual values.
Setting: Family	and 97% White respectively	Baseline comparability	
	Other baseline: Mothers and fathers were	Groups balanced at baseline: NR	No intervention effects on the following measures: teens' acceptability of boys or
Country: USA	85% and 88% Mormon; 38% and 56%	Comments: NR	girls pressuring for sex; teens' peer's sexual values; teen's family's sexual values; or
	college educated respectively		family or peer's influence on teen's sexual values.
Funding source: Office of		<u>Attrition</u>	
Adolescent Pregnancy Programs	Intervention details	Number of participants completing study:	Personal and social skills
	Name: Facts & Feelings	504 (92%)	Teen, father and mother reported frequency of communication with parents about
	Focus/aim: To help parents and children	Reasons for non-completion: NR	sex significantly increased in the intervention group in comparison to control families
	talk about sexual issues at home; to		(all p<0.001). The video + newsletter group reported a greater increase in teen's
	decrease the likelihood of early sexual		frequency of communication compared to the video only group (p<0.05). However,
	initiation		at the delayed posttest, all three groups returned to their pre-test level of
	Programme type: Sex education		communication frequency (also for father/mother).
	Theoretical base: NR		
	Key components: Two intervention groups		Father and mother reported quality of communication with teen about sex
	received videos or videos plus newsletters.		significantly increased by follow up in the intervention group compared to the control
	Videos covered puberty; sexual values;		group (p<0.05). However, the gains on these measures were lost by follow-up.
	sexual anatomy/ reproduction; meaning of		There was no intervention effect on teens' perceived quality of communication about
	sexuality; consequences of sex; decision-		sex with their mother or father, or teens' skills to avoid sexual pressures.
	making and refusal skills. Newsletters		
	provided supplementary information and		Health and social outcomes related to alcohol and sexual health
	suggestions for activities/ discussion		No effect of the intervention on sexual behaviour over follow-up. The authors note
	Providers/delivers: Home visitors; and		that the percentage of adolescents reporting sexual intercourse was very small (3-
	"narrators chosen to be credible to children		5% across groups).
	and parents"		
	Length, duration, intensity: Six, 15-20		
	minute videos		
	Other details:		
	Comparator: No intervention		

Study details	Intervention and population details	Analyses	Results
O'Donnell et al., (2005)	Population details	Process details	Knowledge and understanding
	Inclusion: One parent and one child from	Data collection method(s):	NR
RCT (individual) +	5th or 6th grade. Schools were selected	Questionnaire/Survey	
	from primarily Black or Hispanic	Statistical method(s) used to	Attitudes and values
Objective: To evaluate a	neighbourhoods where 90% of youths were	analyse data: Chi square, ANOVA,	Adjusted Odds ratios (95% CI); P value - *p=<0.05, **p=<0.01, ***p=<0.001, +p=<0.10
parent education initiative for	eligible for free lunch programmes	logistic regression	Parental influence:
delaying sexual intercourse/	Exclusion: Spanish speaking only parent	Unit of allocation: Individual	Intervention group - 2.15 (1.36-3.41)***
promoting abstinence	Total n= 846 youth; n=674 parents	Unit of analysis: Individual	Male youth - 0.50 (0.32-0.79)**
	<b>Intervention</b> , n= 423 (50%) youth; n= 337	Time to follow-up: 3 months	Age of youth - 0.87 (0.59-1.28)
Setting: Parent	(50%) parents		Hispanic - 1.41 (0.78-2.55)
	<b>Comparator</b> , n=423 (50%) youth; n=337	Other details: intent-to-treat model	Male parent - 2.11 (0.84-5.31)
Country: US	(50%) parents	used	Age of parent - 1.04 (0.85-1.27)
	Male n (%) 48% youth; 8% parents		Baseline measure, high communication - 1.27 (0.71-2.25)
Funding source: National	Mean age (range): 5th or 6th grade	Baseline comparability	Baseline measure, high self-efficacy - 1.33 (0.80-2.20)
Institute for Child Health and	students	Groups balanced at baseline: Yes	Baseline measure, high oversight - 1.40 (0.84-2.35)
Human Development	Ethnicity: Primarily Black or Hispanic	Comments: no significant differences	
	Other baseline: NR	between the intervention or control	Self-efficacy
		groups	Intervention group - 1.94 (1.21-3.11)**
	Intervention details		Male youth - 0.54 (0.33-0.86)**
	Name: Saving Sex for Later	<u>Attrition</u>	Age of youth - 0.90 (0.60-1.33)
	Focus/aim: CD-based intervention to	Number of participants completing	Hispanic - 0.61 (0.35-1.06)+
	improve parental communication relating to	study: 68%	Male parent - 0.87 (0.41-1.82)
	sexual behaviour	Reasons for non-completion: NR	Age of parent - 0.91 (0.74-1.12)
	Programme type: Parent-based		Baseline measure, high communication - 3.42 (2.03-5.76)***
	intervention		Baseline measure, high self-efficacy - 3.26 (2.00-5.31)***
	Theoretical base: Diffusion of innovation		Baseline measure, high oversight - 0.88 (0.50-1.53)
	model and theory of planned behaviour		
	Key components: CD-based intervention		Personal and social skills
	Providers/delivers: CD/parents		Parents (intervention %; controls %; P value)
	Length, duration, intensity: one CD every		Low communication - 13.9; 25.7; p<0.001
	10 weeks for six months		Low self-efficacy - 16.4; 23.6; p<0.05
	Other details:		Low monitoring - 4.5; 9.1; p<0.10
	Comparator: No intervention		Low influence - 14.5; 22.1; p<0.01
			Youths (intervention %; controls %; P value)
			Low family support - 16.6; 25.3; p<0.01
			Family rules (mean) - 4.51 (1.88); 4.18 (2.01)
			Adjusted Odds ratios (95% CI); P value - *p=<0.05, **p=<0.01, ***p=<0.001, +p=<0.10

Communication: Information group - 2.45 (1.53-3.92)*** Male youth - 0.85 (0.54-1.35) Ape of youth - 0.81 (0.14-0.92)* Hispanic - 0.56 (0.32-0.88)* Male parent - 0.38 (0.17-0.69)* Age of parent - 0.38 (0.07-1.02)* Baseline measure, high communication - 2.48 (1.44-4.20)*** Baseline measure, high owninumication - 2.46 (1.44-4.20)*** Baseline measure, high oversight - 1.00 (0.57-1.76) Monitoring Information group - 1.84 (0.91-3.72)* Male youth - 0.72 (0.34-1.27) Hispanic - 0.99 (0.22-2.25) Mol parent - 3.22 (0.42-2.25) Mol parent - 3.22 (0.42-2.41) Age of parent - 1.21 (0.89-1.64) Baseline measure, high oversight -1.47 (0.56-3.33) Baseline measure, high oversight -1.47 (0.56-3.38) Baseline measure, high oversight -1.47 (0.88-3.16)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male -0.40 (0.68 to -0.10)** Hispanic -0.62 (-38 to -0.30)** Age -0.13 (-0.37-0.11) Baseline measure, family support -0.03 (-0.05-0.12) Baseline measure, family monitoring -0.37 (0.23-0.56)** Baseline measure, family papert -0.08 (-0.05-0.12)**		Communication
Male youth - 0.85 (0.54-1.39) Age of youth - 0.61 (0.32-0.99)* Male parent - 0.35 (0.17-0.69)* Age of parent - 0.35 (0.17-0.69)* Age of parent - 0.35 (0.17-0.69)* Age of parent - 0.35 (0.17-0.69)* Baseline measure, high communication - 2.46 (1.44-4.20)** Baseline measure, high oversight - 1.00 (0.57-1.75)  Monitoring Intervention group - 1.84 (0.91-3.72)+ Male youth - 0.75 (0.37-1.50) Age of youth - 7.75 (0.37-1.50) Age of youth - 7.85 (0.37-1.20) Age of youth - 7.85 (0.37-		
Age of youth - 0.61 (0.41-0.92)* Hispanie - 0.56 (0.32-0.98)* Male parent - 0.35 (0.17-0.89)** Age of parent - 0.35 (0.17-0.89)** Age of parent - 0.83 (0.67-1.02)** Baseline measure, high communication - 2.46 (1.44-4.20)*** Baseline measure, high self-efficacy - 1.31 (0.79-2.16) Baseline measure, high communication - 2.46 (1.44-4.20)*** Baseline measure, high coversight - 1.00 (0.57-1.76)  Monitoring Intervention group - 1.84 (0.91-3.72)* Maley outh - 0.75 (0.41-1.27) Hispanie - 0.99 (0.22-2.25) Male parent - 3.32 (0.43-25-41) Age of youth - 0.75 (0.41-1.27) Hispanie - 0.99 (0.49-22-41) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high communication - 1.37 (0.56-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male0.40 (-0.68 to -0.10)** Hispanie0.62 (-0.31-0.31) Baseline measure, family support - 0.03 (-0.06-0.12) Baseline measure, family support - 0.03 (-0.07-0.12) Baseline measure, family support - 0.03 (-0.07-0.12) Baseline measure, family support - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanie - 0.83 (-0.48-1.28) Hispanie - 0.83 (-0.48-1.28)		
Hispanic - 0.56 (0.32-0.98)* Male parent - 0.38 (0.67-1.02)+ Baseline measure, high contraction - 2.46 (1.44-4.20)*** Baseline measure, high self-efficacy - 1.31 (0.79-2.16) Baseline measure, high self-efficacy - 1.31 (0.79-2.16) Baseline measure, high self-efficacy - 1.31 (0.79-2.16) Baseline measure, high oversight - 1.00 (0.57-1.75)  Monitoring Intervention group - 1.84 (0.91-3.72)+ Maley youth - 0.72 (0.37-1.50) Age of youth - 0.72 (0.47-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.44-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.43-25.41) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high perfection of the self-efficacy of the		
Male parent - 0.35 (0.17-0.8)* Age of parent - 0.83 (0.87-1.02)+ Baseline measure, high self-efficacy - 1.31 (0.79-2.15) Baseline measure, high self-efficacy - 1.31 (0.79-2.15) Baseline measure, high self-efficacy - 1.31 (0.79-2.15) Baseline measure, high oversight - 1.00 (0.57-1.75)  Monitoring Intervention group - 1.84 (0.91-3.72)+ Male youth - 0.75 (0.37-1.50) Age of youth - 0.75 (0.37-1.50) Age of youth - 0.72 (0.41-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.22 (0.43-25.41) Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.58-3.33) Baseline measure, high communication - 1.37 (0.58-3.33) Baseline measure, high oversight - 1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (0.68 to -0.10)** Hispanic0.62 (93 to -0.30)** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)** Baseline measure, family monitoring - 0.37 (0.23-0.50)** Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)** Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family formation of the family support - 0.12 (-0.23 to -0.02)*  Family support		
Age of parent - 0.83 (0.87-1.02)+ Baseline measure, high self-efficacy - 1.31 (0.79-2.16) Baseline measure, high self-efficacy - 1.31 (0.79-2.16) Baseline measure, high oversight - 1.00 (0.57-1.75)  Monitoring Intervention group - 1.84 (0.91-3.72)+ Male youth - 0.75 (0.37-1.50) Age of youth - 0.72 (0.41-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.49-2.541) Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high oversight - 1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (0.68 to -0.10)** Hispanic - 0.62 (-9.30 to -0.30)** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family support - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40) Hispanic - 0.33 (0.54-1.28)		
Baseline measure, high communication - 2-46 (1.44-4.20)** Baseline measure, high oversight - 1.00 (0.57-1.75)  Monitoring Intervention group - 1.84 (0.37-1.50) Age of youth - 0.75 (0.37-1.50) Age of youth - 0.75 (0.37-1.50) Age of youth - 0.72 (0.41-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.22 (0.43-2.54) Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high own such parent - 1.27 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.68 to -0.10)** Hispanic - 0.62 (-9.30 to -0.30)*** Age -0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family support - 0.03 (-0.20-0.50)** Baseline measure, family support - 0.03 (-0.20-0.50)** Baseline measure, family monitoring - 0.37 (0.23-0.50)** Baseline measure, family monitoring - 0.38 (0.54-1.29)  Hispanic - 0.83 (0.54-1.29)		
Baseline measure, high self-efficacy - 1.31 (0.79-2.16) Baseline measure, high oversight - 1.00 (0.57-1.75)  Monitoring Intervention group - 1.84 (0.91-3.72)+ Male youth - 0.75 (0.37-1.50) Age of youth - 0.72 (0.41-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.43-25.41) Age of parent - 1.21 (0.89-16.4) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high communication - 1.37 (0.68-3.31) Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.88 to -0.10)** Hispanic - 0.62 (-9.81 to -0.30)** Age - 0.13 (0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)** Baseline measure, family monitoring - 0.37 (0.23-0.50)** Baseline measure, family monitoring - 0.37 (0.23-0.50)** Baseline measure, 1.58 (1.07-2.32)* Male - 1.60 (1.60-2.40)* Hispanic - 0.83 (0.54-1.29)		
Baseline measure, high oversight - 1.00 (0.57-1.75)  Monitoring Intervention group - 1.84 (0.91-3.72)+ Male youth - 0.75 (0.37-1.50) Age of youth - 0.72 (0.41-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.42-2.54) Age of parent - 1.21 (0.89-1.64) Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male0.40 (-0.48 to -0.10)** Hispanic - 0.62 (93 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family support - 0.03 (-0.20-5.01)** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.04)* Hispanic - 0.83 (0.54-1.29)		Baseline measure, high communication - 2.46 (1.44-4.20)***
Monitoring Intervention group - 1.84 (0.91-3.72)+ Male youth - 0.72 (0.041-1.27) Male youth - 0.72 (0.041-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.42-2.25) Male parent - 3.32 (0.42-2.25) Male parent - 3.21 (0.98-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high self-efficacy - 0.99 (0.40-2.04) Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.68 to -0.10)** Hispanic - 0.62 (93 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, family monitoring - 0.37 (0.23-0.50)** Baseline measure, family monitoring - 0.37 (0.23-0.50)** Baseline measure, family purport - 0.15 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		Baseline measure, high self-efficacy - 1.31 (0.79-2.16)
Intervention group - 1.84 (0.91-3.72)+ Male youth - 0.75 (0.37-1.50) Age of youth - 0.72 (0.41-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.43-25.41) Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high oversight - 1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.68 to -0.10)** Hispanic - 0.62 (-9.31 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.80 (1.06-2.40)* Hispanic - 0.38 (0.54-1.29)		Baseline measure, high oversight - 1.00 (0.57-1.75)
Intervention group - 1.84 (0.91-3.72)+ Male youth - 0.75 (0.37-1.50) Age of youth - 0.72 (0.41-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.43-25.41) Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high oversight - 1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.68 to -0.10)** Hispanic - 0.62 (-9.31 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.80 (1.06-2.40)* Hispanic - 0.38 (0.54-1.29)		Monitoring
Male youth - 0.75 (0.37-1.50) Age of youth - 0.72 (0.41-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.43-25.41) Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.68 to -0.10)** Hispanic0.62 (-9.3 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, family monitoring - 0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Age of youth - 0.72 (0.41-1.27) Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.43-25.41) Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.68 to -0.10)** Hispanic0.62 (93 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Hispanic - 0.99 (0.22-2.25) Male parent - 3.32 (0.43-25.41) Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.68 to -0.10)** Hispanic - 0.62 (93 to -0.30)*** Age0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, ish behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Male parent - 3.32 (0.43-25.41) Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male0.40 (-0.68 to -0.10)** Hispanic - 0.62 (93 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Age of parent - 1.21 (0.89-1.64) Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male0.40 (-0.68 to -0.10)** Hispanic - 0.62 (93 to -0.30)*** Age- 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Baseline measure, high communication - 1.37 (0.56-3.33) Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.68 to -0.10)** Hispanic - 0.62 (-93 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Baseline measure, high self-efficacy - 0.90 (0.40-2.04) Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male - 0.40 (-0.68 to -0.10)** Hispanic - 0.62 (-9.93 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, family support - 0.012 (-0.03 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Baseline measure, high oversight -1.47 (0.68-3.18)  Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male0.40 (-0.68 to -0.10)** Hispanic0.62 (93 to -0.30)*** Age0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Youth characteristics Family rules: Intervention group - 0.27 (0.00-0.55)* Male0.40 (-0.68 to -0.10)** Hispanic0.62 (93 to -0.30)*** Age - 0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Family rules: Intervention group - 0.27 (0.00-0.55)* Male0.40 (-0.68 to -0.10)** Hispanic0.62 (93 to -0.30)*** Age0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		Baseline measure, high oversight -1.47 (0.00-3.16)
Intervention group - 0.27 (0.00-0.55)*  Male0.40 (-0.68 to -0.10)***  Hispanic0.62 (93 to -0.30)***  Age0.13 (-0.37-0.11)  Baseline measure, family support - 0.03 (-0.05-0.12)  Baseline measure, family monitoring - 0.37 (0.23-0.50)***  Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support  Intervention group - 1.58 (1.07-2.32)*  Male - 1.60 (1.06-2.40)*  Hispanic - 0.83 (0.54-1.29)		Youth characteristics
Intervention group - 0.27 (0.00-0.55)*  Male0.40 (-0.68 to -0.10)***  Hispanic0.62 (93 to -0.30)***  Age0.13 (-0.37-0.11)  Baseline measure, family support - 0.03 (-0.05-0.12)  Baseline measure, family monitoring - 0.37 (0.23-0.50)***  Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support  Intervention group - 1.58 (1.07-2.32)*  Male - 1.60 (1.06-2.40)*  Hispanic - 0.83 (0.54-1.29)		Family rules:
Male0.40 (-0.68 to -0.10)** Hispanic0.62 (93 to -0.30)*** Age0.13 (-0.37-0.11) Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Hispanic0.62 (93 to -0.30)***  Age0.13 (-0.37-0.11)  Baseline measure, family support - 0.03 (-0.05-0.12)  Baseline measure, family monitoring - 0.37 (0.23-0.50)***  Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support  Intervention group - 1.58 (1.07-2.32)*  Male - 1.60 (1.06-2.40)*  Hispanic - 0.83 (0.54-1.29)		
Age0.13 (-0.37-0.11)  Baseline measure, family support - 0.03 (-0.05-0.12)  Baseline measure, family monitoring - 0.37 (0.23-0.50)***  Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support  Intervention group - 1.58 (1.07-2.32)*  Male - 1.60 (1.06-2.40)*  Hispanic - 0.83 (0.54-1.29)		
Baseline measure, family support - 0.03 (-0.05-0.12) Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Baseline measure, family monitoring - 0.37 (0.23-0.50)*** Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Baseline measure, risk behaviours0.12 (-0.23 to -0.02)*  Family support Intervention group - 1.58 (1.07-2.32)* Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Intervention group - 1.58 (1.07-2.32)*  Male - 1.60 (1.06-2.40)*  Hispanic - 0.83 (0.54-1.29)		
Intervention group - 1.58 (1.07-2.32)*  Male - 1.60 (1.06-2.40)*  Hispanic - 0.83 (0.54-1.29)		Family support
Male - 1.60 (1.06-2.40)* Hispanic - 0.83 (0.54-1.29)		
Hispanic - 0.83 (0.54-1.29)		
1  Add = 1000  m sectors		
		Age - (0.92 (0.66-1.29)
Baseline measure, family support - 3.45 (2.24-5.32)***		
Baseline measure, family monitoring - 1.30 (1.09-1.56)**		
Baseline measure, risk behaviours - 1.03 (0.88-1.19)		Baseline measure, risk behaviours - 1.03 (0.88-1.19)

Health and social outcomes related to alcohol and sexual health
Youths (intervention %; controls %; p value)
Behavioural risks (mean) - 1.91 (1.39); 2.15 (1.33)
Youth characteristics. Adjusted Odds ratios (95% CI); P value - *p=<0.05, **p=<0.01,
***p=<0.001, +p=<0.10
Behavioural risks
Intervention group0.20 (-0.37 to -0.02)*
Male - 0.15 (-0.04-0.34)
Hispanic - 0.07 (-0.14-0.27)
Age- 0.11 (-0.04-0.27)
Baseline measure, family support0.06 (-0.12 to -0.01)*
Baseline measure, family monitoring0.03 (0.12-0.06)
Baseline measure, risk behaviours - 0.36 (0.29-0.43)***

Study details	Intervention and population details	Analyses	Results
Scheinberg (1997)	Population details	Process details	Knowledge and understanding
	Inclusion: Child enrolled in a junior high or	Data collection method(s):	At posttest, students in the parent-present group had higher knowledge scores
NRCT -	high school; aged 13-15 years; had one	Questionnaire/Survey	compared to students in the no-parent group (mean [SD]: 0.70 [0.15] vs. 0.62 [0.15];
	parent willing to participate in the research	Statistical method(s) used to analyse	p<0.05). No effect of the intervention on knowledge among parents.
Objective: To evaluate the	and attend all class sessions.	data: ANOVA; t-tests	
effectiveness of a sex-education	Exclusion: Had received classroom-based	Unit of allocation: Individual	Attitudes and values
curriculum for youths in parent-	training in sex education provided by a	Unit of analysis: Individual	Significant effect of the intervention on satisfaction with social relationships (p<.05).
present or parent-absent classes	community agency or other institution.	Time to follow-up: Post-test	No significant differences between groups in clarity of personal sexual values,
	Total n= 61 families; 122 participants		recognition of the importance of family, clarity of long-term goals, attitude toward
Setting: Family	Intervention, n= NR	Other details: 21 youths were non-	gender roles, attitude toward sexuality in life, attitude toward importance of birth
	Comparator, n= NR	randomly assigned to fill the no-parent	control, attitude toward premarital sex, attitude toward use of force, self-esteem, and
Country: USA	<b>Male</b> n (%) = NR	condition.	satisfaction with personal sexuality.
	Mean age (range): NR		
Funding source: NR	Ethnicity: Majority White, 5% Latino, 4%	Baseline comparability	Parent-present group demonstrated more accepting attitudes toward homosexuality
	Asian	Groups balanced at baseline: Yes	than the no-parent group (p=0.05). There were no other effects of the intervention
	Other baseline: NA	Comments:	on parent's attitudes towards sexual behaviour, or on parent-child relationship.
	Intervention details	Attrition	Personal and social skills
	Name: Sharing Healthy Adolescent and	Number of participants completing study:	Students in the parent-present group reported a decrease in social-decision making
	Parent Experiences (SHAPE) II curriculum	118 participants (60 children, 100%; 58	skills relative to no change in the control group (p=0.05). No effect of the
	Focus/aim: To delay first intercourse, and	parents, 95%)	intervention on comfort engaging in social activities, comfort talking with parents or
	prevent risky sexual behaviour when sexual	Reasons for non-completion:	friends about sex and birth control, comfort expressing concern and caring, comfort
	activity is initiated		getting and using birth control, sexual decision making skills, communication skills,
	Programme type: Sex education curriculum		assertiveness skills, and birth control assertiveness skills.
	Theoretical base: Social learning theory,		
	social cognitive theory, relational ethics		Females in the parent-present condition became more comfortable saying 'no' and
	Key components: Parents and children		males became less confident, the opposite effect occurred in the control, no-parent
	attended classes together. Curriculum		condition. Intervention effects on comfort having current sex life appeared to be
	covers issues relating to human sexuality;		negative - both males and females in the parent-present condition became less
	anatomy; birth control; pregnancy and		comfortable, whereas students in the no-parent condition became more comfortable.
	parenting; STD prevention; developing		
	healthy relationships; learning refusal skills		Parents in the parent-present group increased communication with their child about
	Providers/delivers:		sexual harassment/abuse, STIs and vaginal intercourse relative to the control group.
	Length, duration, intensity: Six two-hour		
	sessions		Health and social outcomes related to alcohol and sexual health
	Other details: NR		The sample size was too small to determine the significance of behaviour change.
	Comparator: Children received the		
	curriculum classes but parents did not		
	attend; received one two-hour workshop.		

Study details	Intervention and population details	Analyses	Results
Winett et al., (1992)	Population details	Process details	Knowledge and understanding
	Inclusion: One- and two-parent families with	Data collection method(s): Questionnaires	Significant changes in parent and teen knowledge outcomes post-viewing.
RCT (Individual) -	a child aged 12-14 years residing in one city.	and assessment of role plays	Increases in knowledge were maintained at follow up.
	Exclusion: NR	Statistical method(s) used to analyse	
Objective: To report on the first	Total n= 49 families	data: Repeated measures ANCOVA	Knowledge about HIV: Mean (SD)
efficacy test of a home-based	Intervention, n= NR	Unit of allocation: Families	Post-test; Follow-Up
intervention designed to inform	Comparator, n= NR	Unit of analysis: Individual	Intervention Parent: 80.9 (10.9)**; 78.6 (8.5)**
parents and teenagers about the	<b>Male</b> n (%) = 63%	Time to follow-up: posttest; 6 months	Intervention Teen: 63.5 (16.3)**; 60.2 (20.6)*
causes and prevention of HIV and	Mean age (range): NR		Control Parent: 64.6 (18.0); 65.9 (18.6)
STDs.	Ethnicity: NR	Other details:	Control Teen: 42.0 (17.2); 44.1 (17.9)
	Other baseline: NR		*p<0.05; **p<0.001 (vs. control)
Setting: Family		Baseline comparability	
	Intervention details	Groups balanced at baseline: NR	Attitudes and values
Country: USA	Name: NR	Comments: NR	Not reported
	Focus/aim: To inform parents and		
Funding source: National Institute	teenagers about the causes and prevention	<u>Attrition</u>	Personal and social skills
of Mental Health	of HIV and other STIs, to increase parent-	Number of participants completing study:	Significant changes in family problem solving skills post-viewing among the
	teen communication, and to increase skills	46 families at posttest and 45 families (94%)	intervention group compared to control group and non-significant changes in teen
	that will help teenagers avoid or manage risk	at follow-up	assertiveness and teen problem-solving scores. Increases in skills were maintained
	situations.	Reasons for non-completion: NR	at follow up.
	Programme type: Home-based HIV		
	prevention videos		Mean (SD) Post-test; Follow-Up
	Theoretical base: NR		Family problem solving skills
	Key components: Video presented facts		Intervention: 5.4 (1.0)**; 5.4 (0.7)*
	about HIV transmission and prevention;		Control: 4.3 (1.3); 4.6 (1.5)
	problem solving and assertiveness; and		Teen Assertiveness
	coping and communication.		Intervention: 4.7 (0.9); 4.8 (1.4)
	Providers/delivers: Video		Control: 4.15 (1.1); 4.0 (1.3)
	Length, duration, intensity: Four videos;		Teen problem solving skills
	120 minutes total		Intervention: 4.2 (1.5); 4.1 (1.5)
	Other details: NA		Control: 3.30 (1.2); 3.2 (1.2)
	Comparator: Wait list control, received		*p<0.05; **p<0.001 (vs. control)
	video after 6 month follow-up		
			Health and social outcomes related to alcohol and sexual health
ı			Not reported
	1	<u> </u>	1

Study details	Intervention and population details	Analyses	Results
Winnett et al., (1993)	Population details	Process details	Knowledge and understanding
	Inclusion: Families who attended a group	Data collection method(s):	In both the skills and information-only groups, knowledge about HIV significantly
RCT (Individual) +	practice; at least one child aged 12-14 years	Questionnaire and assessment of role plays	improved between pre- and post-test and pre-test and follow up among both parents
	Exclusion:	Statistical method(s) used to analyse	and teens.
Objective: To evaluate a family-	Total n= 69 families	data: paired t-tests; repeated measures	HIV knowledge at post-test; FU: Mean (SD)
centred, home-based HIV	Intervention, n= NR	ANCOVA	Intervention Parent: 91.5 (7.1); 90.3 (7.7)
prevention video programme.	Comparator, n= NR	Unit of allocation: Family	Intervention Teen: 80.2 (12.0); 82.6 (12.5)
	<b>Male</b> n (%) = 38 (56%)	Unit of analysis: Individual	Control Parent: 93.1 (6.0); 91.0 (7.7)
Setting: Family	Mean age (range): children 12-14 years	Time to follow-up: Post-test; approx 4	Control Teen: 87.8 (9.6); 83.8 (9.6)
	Ethnicity: NR	months	In the skills-only group, knowledge about skills improved significantly (p<0.001)
Country: USA	Other baseline: NA		between pre- and post-test and pre-test and follow up, relative to the control group.
		Other details: Families were paid \$150 for	Skills knowledge at post-test; FU: Mean (SD)
Funding source: National Institute	Intervention details	taking part.	Intervention parent: 63.0 (27.5)*; 49.5 (26.7)*
of Mental Health	Name: NR		Intervention teen: 52.7 (31.1)*; 46.0 (31.0)*
	Focus/aim: To foster parent and teen	Baseline comparability	Control parent: 16.0 (15.6); 12.2 (15.9)
	knowledge and communication regarding	Groups balanced at baseline: Yes	Control teen: 13.1 (15.5); 10.0 (13.0)
	issues related to HIV prevention and to	Comments: Authors reported that groups	*p<0.001 (vs. control)
	increase family and teen communication	were equivalent on all measures at pre-test,	
	skills	but no details presented to check the validity	Attitudes and values
	Programme type: HIV prevention	of this statement.	Not reported
	Theoretical base: NR		
	Key components: Video presenting	Attrition	Personal and social skills
	information about HIV/AIDS, teen risk	Number of participants completing study:	Significant changes in pre- to post-test and pre-test to follow up in family problem
	behaviour and health issues; skills training:	69 PT (100%); 46 FU (67%)	solving in the skills-only group compared to the information-only control. No
	family problem solving; teen assertiveness	Reasons for non-completion: NR	significant changes for either group in teen problem solving or teen assertiveness.
	and problem solving skills		Post-test; FU: Mean (SD)
	Providers/delivers: Video		Family problem solving
	Length, duration, intensity: 135 minute		Intervention: 5.0 (1.7)*; 5.2 (1.6)*
	video + booster workbook		Control: 3.6 (0.8); 3.8 (1.2)
	Other details: None		Teen problem solving
	Comparator: Information only; +40 minute		Intervention: 4.9 (1.6); 4.4 (1.4)
	video		Control: 4.2 (1.1); 4.7 (1.4)
			Teen Assertiveness
			Intervention: 3.2 (1.3); 3.3 (1.3)
			Control: 2.9 (1.3); 3.0 (1.3)
			*p<0.001 (vs. control)
			Health and social outcomes related to alcohol and sexual health
1			Not reported

# 2.4 Programmes involving the wider community or mass media

Study details	Intervention and population details	Analyses	Results
Doniger et al., (2001)	Population details	Process details	Knowledge and understanding
	Inclusion: Young people residing in Monroe	Data collection method(s):	Not reported
Cross-sectional Time Series -	County, New York State	Questionnaire/Survey	
	Exclusion:	Statistical method(s) used to analyse	Attitudes and values
Objective: To evaluate an	Total n= NA	data: Chi-square test	Not reported
abstinence-orientated	Intervention, n= NA	Unit of allocation: NA	
adolescent pregnancy	Comparator, n= NA	Area	Personal and social skills
prevention communications	<b>Male</b> n (%) = NA	Unit of analysis: NA	Not reported
programme	Mean age (range): 15-17 yrs	Time to follow-up: NA	
	Ethnicity: NR		Health and social outcomes related to alcohol and sexual health
Setting: Community, mass	Other baseline: NR	Other details:	Four of the five geographic areas included in the analyses demonstrated a statistically
media			significant downward trend in pregnancy rates for 15-17 yr olds between 1993 and 1996.
	Intervention details	Baseline comparability	The authors plotted a regression line and calculated the slope of the line, with the slope
Country: USA	Name: Not Me, Not Now	Groups balanced at baseline: NA	of the line for the intervention county (Monroe) statistically significantly steeper than the
	Focus/aim: (1) Communicating the	Comments: NA	line for the three comparison counties, indicating the rate of decline was fastest in the
Funding source: NR	consequences of teen pregnancy; (2) Helping		intervention county.
	teens deal with peer pressure; (3) promoting	Attrition	
	parent-child communication about sexuality	Number of participants completing	
	and relationships; (4) Promoting abstinence	study: NA	
	among teens	Reasons for non-completion: NA	
	Programme type: Mass media		
	Theoretical base: Social learning theory,		
	consumer information processing theory		
	Key components: Paid television and radio		
	advertising, billboards, posters distributed in		
	schools, educational materials for parents and		
	an educational series presented in schools		
	(Postponing Sexual Involvement), sponsorship		
	of community events, website		
	Providers/delivers: Various		
	Length, duration, intensity: Five years		
	Other details:		
	Comparator: No intervention		

Study details	Intervention and population details	Analyses	Results
Sieverding et al., (2005)	Population details	Process details	Knowledge and understanding
	Inclusion: Aged 12-22 years; sexually experienced	Data collection method(s): Other	NR
Cross-sectional time series +	Exclusion: Unable to give verbal consent, non-English	STI rates over a 5-year period	
	speaking, deemed unapproachable	Statistical method(s) used to analyse data:	Attitudes and values
Objective: To examine the	Total n= NA	Linear regression	NR
impact of the Youth United	Intervention, n= 2,078	Unit of allocation: Area	
Through Health Education	Comparator, n= NA	Unit of analysis: NA	Personal and social skills
programme on STI rates over a	<b>Male</b> n (%) = 53%	Time to follow-up: NA	NR
5-year period	Mean age (range): mean 18.7 yrs		
	Ethnicity: 87% African American	Other details: Chlamydia trachomatis rates	Health and social outcomes related to alcohol and sexual health
Setting: Community outreach	Other baseline: 63% 2+ sexual partners in past 6 months;	were determined in the intervention and	For both males and females in the intervention neighbourhood, C.
	47% did not consistently use condoms; 18% had been	comparison neighbourhoods within San	trachomatis rates remained relatively stable over the 5-year period
Country: USA	previously diagnosed with an STI	Francisco, and rates compared amongst young	(1998-2002) and both males and females in the comparison
		people aged 14-22 years.	neighbourhood were significantly more likely to C. trachomatis than
Funding source: NR	Intervention details		those in the intervention neighbourhoods (females: OR 3.0; 95% CI 2.3,
	Name: Youth United Through Health Education	Baseline comparability	3.9; p<0.001 / males: OR 2.9; 95% CI 2.0, 4.4; p<0.001).
	programme	Groups balanced at baseline: NA	As there were much fewer C. trachomatis cases in the youngest
	Focus/aim: Increase STI screening and treatment	Comments: NA	adolescents, the authors further examined rates in the older youth aged
	Programme type: Outreach		18–22. Among females and males aged 18–22, those in the comparison
	Theoretical base: NR	<u>Attrition</u>	neighbourhood were significantly more likely to have C. trachomatis than
	Key components: Sexual risk assessment, information on	Number of participants completing study:	their counterparts in the intervention neighbourhood (females: OR 2.3;
	STIs and STI screening sites, role model stories and	NA	95% CI 1.7, 3.2; p<0.001 / males: OR 2.3; 95% CI 1.5, 3.5; p<0.001).
	condoms	Reasons for non-completion: NA	
	Providers/delivers: Peer educators		
	Length, duration, intensity: NR		
	Other details: NR		
	Comparator: No intervention,		

# 2.5 Programmes targeting vulnerable young people

Study details	Intervention and population details	Analyses	Results
Gleghorn et al., (1997)	Population details	Process details	Knowledge and understanding
	Inclusion: Aged 12-23 years, currently homeless (at	Data collection method(s):	
NRCT -	least 2 months) or recurrently homeless over past	Statistical method(s) used to analyse data: t	Attitudes and values
	12 months, or engaged in street economy (i.e.	test, chi square, logistic regression	
Objective: The AIDS	prostitution, drug dealing, pornography, theft etc)	Unit of allocation: Community/environment -	Personal and social skills
Evaluation of Street outreach	Exclusion:	sites within communities	
Project (AESOP)- to determine	<b>Total</b> T1, n=429; T2, n=717	Unit of analysis: Community/environment	Health and social outcomes related to alcohol and sexual health
if the intervention was	Intervention, T1, n=246; T2, n=392	Time to follow-up: NR	There was no significant difference for HIV-related referrals or using condoms
successful in increasing youth	Comparator, T1, n=183; T2, n=325		at last sex with either main or casual partner.
contact with outreach workers,	Male n (%) T1, n=137; T2, n=76	Other details:	
to assess the impact of the	Mean age (range): 12-23 years		The intervention (OR=4.0) and being a recent intravenous drug user (OR=1.7)
intervention on youth HIV risk	Ethnicity: White: T1=155, T2=169	Baseline comparability	were both significant predictors of talking to an outreach worker in the past 6
behaviours, and to explore the	Other baseline:	Groups balanced at baseline: Yes	months after adjusting for other covariates. These two predictors, in addition to
relationship between the		Comments: few differences on demographic	a history of sex trade, were significantly associated with knowing at least one
amount of outreach worker	Intervention details	or risk characteristics	outreach worker.
contact and youth participation	Name: AIDS Evaluation of Street outreach Project		
in HIV prevention activities	(AESOP)	<u>Attrition</u>	The intervention significantly predicted the number of referrals in the past 6
	Focus/aim: HIV risk-reduction	Number of participants completing study:	months, with intervention youth 4.6 times as likely to receive referrals.
Setting: Community - specify	Programme type: HIV risk-reduction	1,146	
outreach with	Theoretical base: NR	Reasons for non-completion: NA	
homeless/contact at youth	Key components: outreach work		
centre	Providers/delivers: outreach workers		
	Length, duration, intensity: NR		
Country: USA	Other details:		
	Comparator: comparison sites with limited HIV		
Funding source: Supported	services and no regular outreach with no subculture-		
by Centres for Disease Control	specific interventions and no youth-oriented HIV		
and Prevention	prevention centres		

Study details	Intervention and population details	Analyses	Results
Rew et al., (2007)	Population details	Process details	Knowledge and understanding
	Inclusion: Homeless young people who sought	Data collection method(s):	Knowledge of AIDS/STDs was significant for both the intervention and control groups
NRCT +	services through a street outreach programme.	Questionnaire/Survey	over time (both P<0.001). Further analysis showed that knowledge in the intervention
	Exclusion: NR	Statistical method(s) used to analyse	group remained stable in T1 and T2 but decreased in T3. For the control group
Objective: sexual health	Total n= 572	data: general linear mixed model	knowledge decreased from T1 to T2 but remained stable to T3.
promotion with homeless	Intervention, n= 196	regression	
youth - brief intervention	Comparator, control only, n= 287; both	Unit of allocation: Individual	Attitudes and values
	intervention and control, n=89	Unit of analysis: Individual	No significant difference for condom self-efficacy
Setting: Community - specify	<b>Male</b> n (%) = 52 (58%)	Time to follow-up: T1-PreTest; T2-	
brief intervention	Mean age (range): 16-23 years (mean 19.47)	immediate post-test; T3 - 6 weeks after the	Self-efficacy for breast self-examination increased in women from T1 to T2 then
	Ethnicity: Control: African American (7%); Asian	end of the programme	remained stable to T3.
Country: USA	American (1%); European American/white (59%);		
	Latino/Hispanic (12%); American Indian (7%);	Other details: None	Self-efficacy for testicular self-exam increased significantly from T1 to T2 then
Funding source: National	Multiethnic (8%) other/not known (6%):		remained stable to T3 on both intervention and control groups.
Institute of Nursing Research/	Intervention: African American (11%); Asian	Baseline comparability	
National Institute of Health	American (1%); White (57%); Latino/Hispanic	Groups balanced at baseline: Yes	The overall pattern in each condition was for decreasing reports of assertive
	(9%); American Indian (4%); Multiethnic (9%);	Comments: None	communication over time.
	Other/not known (9%)		
	Other baseline: Sexual orientation	Attrition	Personal and social skills
		Number of participants completing	NR
	Intervention details	study: NR	
	Name: unnamed - sexual health intervention	Reasons for non-completion: NR	Health and social outcomes related to alcohol and sexual health
	Focus/aim: increase sexual health knowledge,		Time by interaction effects
	self-efficacy		There was no statistically significant time by interaction effect for any of the four
	Programme type: health promotion		behavioural outcome measures (assertive communication, self-care behaviours,
	Theoretical base: theory of reasoned action,		safe-sex behaviours, sexual risk-taking behaviours).
	social cognitive theory		
	Key components: taught sessions		Changes over time - Safe sex behaviour:
	Providers/delivers: NR		Overall analysis of the time effect showed significant changes over time (P=0.026).
	Length, duration, intensity: 8x1hr sessions		However, the overall pattern of statistically significant decreasing levels of safe sex
	Other details:		behaviours was occurring primarily in the control conditions (between T1 and T2
	Comparator: no intervention		(p=0.006), between T1 and T3 (p=0.031), but not between T2 and T3 p=0.815)).

Study details	Intervention and population details	Analyses	Results
Slesnick & Kang (2008)	Population details	Process details	Knowledge and understanding
	Inclusion: 14-22 years old, had been living in the	Data collection method(s):	
RCT (individual) +	metropolitan area for at least 3 months and planned to	Questionnaire/Survey	Attitudes and values
	remain for at least 6 months, met DSM-IV criteria for alcohol	Statistical method(s) used to analyse data:	NR
Objective: To examine a HIV	or psychoactive substance use disorders and met criteria for	t-tests, chi square, MANOVA, ANOVA,	
risk-reduction programme for	homelessness as defined by Department of Health and	RMANOVA, discriminant function analysis	Personal and social skills
homeless youth	Human Sciences	Unit of allocation: Individual	NR
	Exclusion: NR	Unit of analysis: Individual	
Setting: Community -	Total n= 180	Time to follow-up: 3 and 6 months after	Health and social outcomes related to alcohol and sexual health
community with homeless	Intervention, n= 96 (53.3%)	baseline assessment	Frequency of condom use: a comparison between baseline and 6-
youth	<b>Comparator</b> , n= 84 (46.7%)		months post-baseline showed that three groups (younger youths in
	<b>Male</b> n (%) = 118 (66%)	Other details: Intent to treat design used	CRA+HIV (14-18yrs), older youths (19-22yrs) in both CRA+HIV and
Country: USA	Mean age (range): 14 to 22 years - average age 19.2 years		treatment as usual) increased their condom use at 6-months post-
	Ethnicity: 24 (13%) native American; 1 (1%) Asian; 6 (3%)	Baseline comparability	baseline. Younger youths (14-18yrs) in the treatment as usual group
Funding source: NR	African American; 54 (30%) Hispanic; 73 (41%) Anglo; and	Groups balanced at baseline: No	used condoms less frequently at 6-months post-baseline that they did
	22 (12%) other	Comments: significant differences in attitudes	at baseline. Post-hoc analysis showed that younger youths in CRA+HIV
	Other baseline: depression scale; condom attitude scale;	to condom use	reported more frequent condom use (mean=4.07, SE=0.22) than the
	education level		youths in treatment as usual (mean=3.04, SE=0.18) (mean
		<u>Attrition</u>	difference=1.03, p<0.01).
	Intervention details	Number of participants completing study: 3	
	Name: Community reinforcement approach	months (73%) (132/180); 6 months (86%)	Regardless of treatment condition youth reduced their HIV risk
	Focus/aim: reduction of HIV risk behaviour	(155/180)	behaviour with a reduction in the number of difference sexual partners
	Programme type: risk-reduction	Reasons for non-completion:	in a 24-hr treatment span and the number of sexual partners in the past
	Theoretical base: cognitive behavioural		3 months.
	Key components: skills building and education		
	Providers/delivers: therapists		
	Length, duration, intensity: 12 community + 4 HIV		
	education and skills sessions, 50min each		
	Other details:		
	Comparator: Through drop-in centre, links with case		
	management, support and youth and community services,		
	also HIV testing and counselling		

# 3 Programmes targeting multiple behaviours

## 3.1 Programmes delivered in social, healthcare and community settings

Study details	Intervention and population details	Analyses	Results
St Pierre et al., (1995)	Population details	Process details	Knowledge and understanding
	Inclusion: Participants in fourteen Boys & Girls Clubs	Data collection method(s):	NR
NRCT -	aged 13 years old	Questionnaire/Survey	
	Exclusion: NR	Statistical method(s) used to analyse	Attitudes and values
Objective: To evaluate an	Total n= 359	data: Repeated measures ANCOVA	Non-virgins: Stay SMART only participants perceived significantly fewer social
abstinence-only sexual activity	Intervention, n= (1) 119; (2) 117	Unit of allocation: Group - Boys & Girls	benefits from engaging in sexual activity across all three follow-ups compared to
and drug prevention	Comparator, n= 123	clubs	the Stay SMART + boosters participants (mean 2.20 vs. 2.69; p<0.005) and
programme, Stay SMART	<b>Male</b> n (%) = 75%	Unit of analysis: Individual	control participants (mean 2.20 vs. 2.71; p<0.005).
among young people attending	Mean age (range): mean 13.6 years	Time to follow-up: 3, 15 and 27 months	Virgins: No statistically significant effects.
Boys & Girls clubs.	Ethnicity: 45% White, 14% Hispanic, 42% Black		
	Other baseline: 48% were 'non-virgins'	Other details: Intervention participants were	Personal and social skills
Setting: Community -		required to attend a set number of sessions	NR
Boys and Girls clubs	Intervention details	in order to be eligible for follow-up (9 of 12	
	Name: (1) Stay SMART; (2) Stay SMART + booster	Stay SMART sessions; 4 of 5 SMART	Health and social outcomes related to alcohol and sexual health
Country: USA	programme (SMART leaders)	Leader I sessions and all 3 SMART Leader	Non-virgins: Stay SMART participants reported marginally less sexual behaviour
	Focus/aim: Sessions addressed sexual activity and	Il sessions)	compared to the control group at 15-months (p<0.10), and significantly less
Funding source: Department	drug prevention.		sexual behaviour (mean [SD] -1.04 [0.75]) compared to the Stay SMART +
of Health and Human Services	Programme type: Personal and social competence	Baseline comparability	booster group (mean [SD] 0.391 [0.50]) and the control group at 27-months
	programme	Groups balanced at baseline: NR	(mean [SD] 0.774 [0.68]; both p<0.05).
	Theoretical base: NR	Comments: NR	Virgins: No statistically significant effects were observed.
	Key components: Stay SMART sessions, including		
	components of LST. SMART leaders peer leader	Attrition	
	programme designed to build upon skills and	Number of participants completing study:	
	knowledge.	76%, 55% and 42%, respectively	
	Providers/delivers: NR	Reasons for non-completion: Not	
	Length, duration, intensity: Stay SMART: 12	reported; some excluded as did not report	
	sessions; 8 booster sessions	whether they were virgins at pre-test.	
	Other details:		
	Comparator: No intervention		

Study details	Intervention and population details	Analyses	Results
Wiggins (2009)	Population details	Process details	Knowledge and understanding
	Inclusion: Projects selected to deliver the Young People's	Data collection method(s):	NR
CBA +	Development Programme (YPDP). Targeted young people aged	Questionnaire/Survey	
	13-15 at risk of teenage conception, substance misuse or	Statistical method(s) used to	Attitudes and values
Objective: To evaluate the	exclusion from school	analyse data: Logistic regression	Female participants were more likely than control participants to report
effectiveness of youth	Exclusion:	Unit of allocation: Group	that they expected to be a parent by age 20 (weighted adjusted OR 1.61;
development in reducing	<b>Total</b> n= 2724	Unit of analysis: Group	1.07, 2.41; p=0.02).
teenage pregnancy, substance	Intervention, n= 1637	Time to follow-up: Approximately 9-	
use and other outcomes	Comparator, n= 1087	and 18-months	Significantly more young people in the YPDP group than in the
	<b>Male</b> n (%) = 60%		comparison group reported truanting in the previous six months at first
Setting: Community -	Mean age (range): mean 15 years	Other details: Accounted for	but not the second follow-up; explained by increased truanting among
Youth service site	Ethnicity: Intervention/Control: Black or minority ethnic 23%/20%	clustering in the data	young women in the YPDP group in the first year cohort of the project.
	Other baseline: Intervention/Control: Drunk monthly or more often		Also, among young women, YPDP participants were significantly more
Country: UK	(last 6 months) 36%/40%; Drug use (last 6 months) 86%/86%;	Baseline comparability	likely to report temporary exclusion from school at follow-up 1.
	Experience of heterosexual sex 34%/40%;	Groups balanced at baseline: No	
Funding source: Department		Comments: Baseline differences	Personal and social skills
of Health (England)	Intervention details	existed between the two groups	NR
	Name: Young People's Youth Development programme		
	Focus/aim: Reduce conceptions, STIs, illegal drug use, alcohol	<u>Attrition</u>	Health and social outcomes related to alcohol and sexual health
	consumption; improved mental health and self esteem; reduced	Number of participants completing	Significantly more pregnancies were reported at follow-up among
	school exclusions, absenteeism; improved educational attainment,	<b>study</b> : 64%/55% at first FU; 43%/31%	females in the YPDP groups than in the comparison group (weighted
	increased post-16 participation in education; reduced	at second FU	adjusted OR 5.48; 95% CI 2.18, 13.75; p<0.01).
	offending/convictions	Reasons for non-completion: NR	
	Programme type: Youth development		Significantly more women in the YPDP group than in the comparison
	Theoretical base: NR		group reported heterosexual sex at follow-up 2 (weighted adjusted OR
	Key components: Education, training/employment opportunities,		3.48; 95% CI 1.49, 8.12).
	life skills, mentoring, volunteering, health education, arts, sports		
	and advice on accessing services.		There was no difference in rates of monthly drunkenness among
	Providers/delivers: Youth service agency staff		programme and comparison participants.
	Length, duration, intensity: 6-10 hours, one week a year		
	Other details:		
	Comparator: No intervention; control participants recruited from		
	youth service providers not selected to deliver the YPDP and pupil		
	referral units.		

## 3.2 Programmes delivered to parents and families

Study details	Intervention and population details	Analyses	Results
Haggerty et al., (2007)	Population details	Process details	Knowledge and understanding
	<b>Inclusion</b> : Families with 8 <sup>th</sup> grade students in public	Data collection method(s):	Not reported
RCT (Individual) +	schools; African American or European American;	Questionnaire/Survey	
	English spoken as primary language; planning to live	Statistical method(s) used to	Attitudes and values
Objective: To test the	in the area for the next 6 months.	analyse data: Repeated	Compared to controls, significant reductions in favourable attitudes towards substance use
efficacy of a universal	Exclusion: NR	measures mixed model	were demonstrated over the follow-up period for youth in the SA format (Cohen's d= 0.26) but
prevention programme to	Total n= 331 families	regression	not in the PA format (Cohen's d= -0.09). At 24-months follow-up, compared to control
prevent substance use and	Intervention, n= 107 SA; n= 118 PA	Unit of allocation: Family	families, families assigned to the PA (d= 0.22; p=0.05) and SA (d= 0.39; p=0.03) formats of
other problem behaviours.	Comparator, n= 106	Unit of analysis: Individual	PWC reported less favourable attitudes towards substance use. There was no intervention
Two groups of a self-	<b>Male</b> n (%) = 170 (51%)	Time to follow-up: Post-test; 12	effect on perceived harm of substance use over the follow-up period, or at 24-month follow-
administered intervention	Mean age (range): mean 13.7 years	months; 24 months	up.
(SA) and a group	Ethnicity: 51% European American; 49% African		
administered intervention	American	Other details: 26 families (22%)	Perceived harm of substance use: Mean (SD) Post-Test; 1-yr; 2-yrs
(PA)	Other baseline: NA	assigned to the PA condition	African Americans:
			Control: 3.10 (.81); 2.69 (.89); 2.74 (.73)
Setting: Family	Intervention details	Baseline comparability	SA: 3.07 (.89); 2.99 (.87); 2.91 (.81)
	Name: Parents Who Care (PWC)	Groups balanced at baseline:	PA: 3.06 (.96); 2.86 (.96); 2.79 (1.03)
Country: USA	Focus/aim: To build protection in families by teaching	Yes	European American
	parents strategies to provide their children with	Comments: No significant	Control: 2.91 (.73); 2.72 (.66); 2.75 (.68)
Funding source: National	opportunities to contribute to their families, to acquire	differences according to	SA: 3.14 (.66); 3.07 (.54); 2.94 (.52)
Institute on Drug Abuse	needed skills to take advantage of opportunities, and	condition.	PA: 2.90 (.76); 2.95 (.58); 2.80 (.57)
	to use reward and recognition strategies in order to		Favourable attitudes about substance abuse: Mean (SD) Post-Test; 1-yr; 2-yrs
	promote bonding.	<u>Attrition</u>	African American
	Programme type: Substance abuse and other	Number of participants	Control: 1.38 (.48); 1.43 (.53); 1.69 (.66)
	problem behaviours prevention	completing study: PT 313	SA: 1.29 (.56); 1.42 (.59); 1.41 (.72)
	Theoretical base: Social development model	(95%); 12 mo 306 (92%); 24 mo	PA: 1.38 (.65); 1.49 (.72); 1.48 (.81)
	Key components:	304 (92%)	European American
	Self administered with telephone support (SA): Video	Reasons for non-completion:	Control: 1.55 (.71); 1.84 (.76); 1.94 (.72)
	and work book activities; telephoned weekly by family		SA: 1.27 (.46); 1.36 (.44); 1.59 (.54)
	consultant.		PA: 1.39 (.56); 1.60 (.59); 1.67 (.63)
	Parent and adolescent administered (PA): Youth		
	attended sessions with both or one parent. Families		Personal and social skills
	viewed videos together; skill practice in separate		Not reported
	groups; workbook and home-based activities.		
	Providers/delivers: SA: Family consultant with prior		Health and social outcomes related to alcohol and sexual health
	clinical experience; PA: Workshop leaders		At 24 months, there were no effects of either intervention format on initiation of substance
	Length, duration, intensity: SA: 10 weeks; PA:		use or sex amongst those who had not done so at post-test. African American intervention
	Seven 2-2.5 hour sessions		participants were less likely than controls to have initiated sex or substance use (SA

Other details: NA	OR=0.31; PA OR=0.25) at the 24-month follow-up.
Comparator: No intervention	Initiation of alcohol and sex; post-test to 24-mo follow-up
	African American % (n): Control (n=37); SA (n=32); PA (n=42)
	Sex: 42.9 (15); 38.5 (15); 25.6 (11) p<.05
	Alcohol: 24.2 (8); 12.1 (4); 22 (9)
	European American % (n): Control (n=42); SA (n=41); PA (n=42)
	Sex: 25.5 (12); 27.9 (12); 41.2 (21)
	Alcohol: 41.0 (16); 45.9 (17); 36.4 (12)

Study details	Intervention and population details	Analyses	Results
Prado et al., (2007)	Population details	Process details	Knowledge and understanding
	Inclusion: 7th grade; one parent at least was born in a	Data collection method(s):	NR
RCT (individual) +	Spanish-speaking country in the Americas; the adolescent	Questionnaire/Survey	
	was attending one of the three participating schools; the	Statistical method(s) used to	Attitudes and values
Objective: Evaluation of the	adolescent would advance to the eighth grade in the next	analyse data: Growth curve	Mediational analysis for positive parenting on smoking:
Familias Unidas + Parent-	school year; no history of psychiatric hospitalisation; not	modelling; chi square; Mediational	Familias Unidas + PATH and ESOL + PATH - z=1.45, p=0.15
Preadolescent training for	planning to move from the area; participating child was	analysis; ANOVA	Familias Unidas + PATH and ESOL + HEART - z=1.10, p=0.27
prevention of substance use	living with participating primary care giver; a primary	Unit of allocation: Individual	Familias Unidas + PATH and ESOL + PATH - z=1.27, p=0.20
HIV Prevention (PATH) and a	caregiver was available to attend weekly meetings	Unit of analysis: Individual	
first control 'Heart Power! For	Exclusion: NR	Time to follow-up: follow up at 6, 12	Personal and social skills
Hispanics' and a second	Total n= youth = 266; parents = 266	(post intervention), 24 and 36 months	Growth curve analysis - Family functioning:
control looking at PATH - both	Intervention, n= Familias + PATH = 91	post baseline	Familias Unidas + PATH and ESOL + PATH - z=-2.47, p<0.02; d=0.28
controls included English for	Comparator, n= ESOL + PATH = 84; ESOL + HEART =	·	Familias Unidas + PATH and ESOL + HEART - z=-3.52, p<0.0005; d=0.38
Speakers of Other Languages	91	Other details: Intention to treat	
(ESOL). The vast majority on	<b>Male</b> n (%) = youth = 128 (48%); parents = 34 (12.8%)	design used	Growth curve analysis. Positive parenting:
intervention components are	<b>Mean age (range)</b> : youth = 13.4(.68); parents = 40.9 (6.2)		Familias Unidas + PATH and ESOL + HEART - z=-1.97, p<0.05; d=0.12
delivered directly to the	Ethnicity: NR	Baseline comparability	Familias Unidas + PATH and ESOL + PATH - z=-2.03, p<0.05; d=0.21
parents.	Other baseline: Family income; Nationality; Family	Groups balanced at baseline: Yes	
•	functioning/ communication/ support; Parental	Comments: randomised to balance	Parent-adolescent communication:
Setting: Parent	involvement; positive parenting	participants	The mean trajectory increased in Familias Unidas + PATH whilst it decreased in
3	l s s s, s, s s s s s s		ESOL + PATH - z=-2.43, p<0.02; d=0.26
Country: USA	Intervention details	Attrition	
	Name: Familias Unidas + PATH	Number of participants completing	Health and social outcomes related to alcohol and sexual health
Funding source: National	Focus/aim: Increasing parental involvement in	study: 80% (20% attrition)	Growth curves showed no significant difference in past-90 day alcohol use.
institute of Mental Health	adolescents' lives, increasing family involvement,	Reasons for non-completion: NR	Cigarette use: showed significant differences in past-90-day cigarette use:
	promoting positive parenting and improving parent-		Familias Unidas + PATH and ESOL + PATH - z=3.25, p<0.002; d=0.54
	adolescent communication to prevent substance use and		Familias Unidas + PATH and ESOL + HEART - z=2.66, p<0.008; d=0.80
	HIV risk behaviours in young people		The mean trajectory of smoking in Familias Unidas + PATH decreased but
	Programme type: Prevention of substance use and HIV		increased in both ESOL + HEART and ESOL + PATH.
	risk behaviours		
	Theoretical base: Ecodevelopmental theory		Illicit drug use:
	Key components: 2 parent centred modules which also		Growth curve analysis indicated significant differences in past-90-day illicit drug
	included adolescent participation in family visits and		use.
	discussion circles with facilitators		Familias Unidas + PATH and ESOL + HEART - z=2.02, p<0.05; d=0.58
	Providers/delivers: trained facilitators		Familias Unidas + PATH and ESOL + PATH - z=1.07, p=0.028; d=0.05
	Length, duration, intensity: overall estimated 49hrs		The observed mean frequency of illicit drug use decreased in Familias Unidas +
	dosage, 36months in total		PATH but increased ESOL + HEART.
	Other details: parents were compensated financially for		TATTI DUL INGICADOU EDOL TITLANT.
	completing assessments		Mediational analysis
	, ,		, and the second
	Comparator: HEART only and Path only in combination		Smoking:

with ESOL	Familias Unidas + PATH and ESOL + PATH - z=1.32, ns
	Familias Unidas + PATH and ESOL + HEART - z=1.11, ns
	Illicit drug use:
	Familias Unidas + PATH and ESOL + HEART - z=1.28, p=0.20
	Unprotected sexual behaviour - no significant difference.
	Sexual risk behaviours - post hoc analysis (note: small numbers)
	Lower rates of incidence of STDs:
	Familias Unidas + PATH - Fisher's exact p=0.05
	Unsafe sex at last intercourse:
	Familias Unidas + PATH and ESOL + PATH - P<0.05

Study details	Intervention and population details	Analyses	Results
Stanton et al., (2000)	Population details	Process details	Knowledge and understanding
	Inclusion: Resident in one of eight housing	Data collection method(s):	Not reported
RCT (Individual) +	developments; For a dyad to be eligible the	Questionnaire/Survey	
	child had to spend at least 50% of time with	Statistical method(s) used to analyse	Attitudes and values
Objective: To increase monitoring	that parent; child aged 12-16 years	data: t-tests; chi-square	Agreement among parent and youth regarding youth involvement in protective/risk
by parents and guardians of African-	Exclusion: NR	Unit of allocation: Individual	behaviours among intervention dyads compared to control dyads was significantly
American youth regarding high risk	Total n= 237 dyads	Unit of analysis: Individual	higher for cigarette smoking at 2-months (p<0.01), and for having a boyfriend or
and protective behaviours	Intervention, n= NR	Time to follow-up: 2- and 6-months	girlfriend at 6-months (p<0.05). No differences in agreement on the other behaviours
	Comparator, n= NR		examined.
Setting: Family	<b>Male</b> n (%) = 51%	Other details: NA	
	Mean age (range): median 13.6 years		Personal and social skills
Country: USA	Ethnicity: 100% African American	Baseline comparability	Intervention youth and their parents were significantly more likely than control youth
	Other baseline: NR	Groups balanced at baseline: Yes	and their parents to perform condom use skills correctly
Funding source: National Institute		Comments: None	Overall score (Intervention; Control)
of Mental Health	Intervention details		Youth: 3.77 [SD 1.22]; 3.00 [SD 1.54]; p<0.001
	Name: Informed Parents and Children	Attrition	Parents: 3.80 [SD 1.15]; 3.33 [1.04]; p<0.01
	Together (ImPACT)	Number of participants completing study:	
	Focus/aim: AIDS prevention	2 months 88%; 6 months 86%	Health and social outcomes related to alcohol and sexual health
	Programme type: parental monitoring	Reasons for non-completion: NR	Not reported
	intervention		
	Theoretical base: NR		
	Key components: Video containing		
	demonstrations, communication/negotiation		
	and messages about AIDS, condoms and		
	risky behaviours		
	Providers/delivers: Researchers in the		
	community		
	Length, duration, intensity: 22 minute		
	video		
	Other details: None		
	Comparator: "Goal For IT!" video -		
	education and career training		

Study details	Intervention and population details	Analyses	Results
Stanton et al., (2004)	Population details	Process details	Knowledge and understanding
	Inclusion: All youth had already	Data collection method(s):	NR
RCT (cluster) ++	participated in Focus on Kids (FOK)	Questionnaire/Survey	
	Exclusion: NR	Statistical method(s) used to	Attitudes and values
Objective: To determine	Total n= 817	analyse data: Chi square, Kruskal-	Mean self-efficacy values were significantly higher among youth who received FOK + ImPACT
whether a parental monitoring	Intervention, n= 32% - FOK + ImPACT;	Wallis test, Intraclass correlation	compared with FOK only (Cronbach a = 0.88; ICC = 0.0023). Specifically, self-efficacy was higher
intervention with and without	29% FOK + ImPACT + boosters	coefficient, t test	for: stopping having sex until older (p=0.005); getting condoms (p=0.012); refusing sex without a
boosters can further reduce	Comparator, n= 39% - students- FOK	Unit of allocation: Organisation/	condom (p=0.003); refusing sex if asked by a partner (p=0.030); feeling that don't need to have sex
adolescent risk behaviours	only; parent -'Goal for IT'	institution: by school	with a long-time partner (p=0.034); not needing to have sex even if all friends are having sex
among youth who have all	<b>Male</b> n (%) = 345 (42%)	Unit of analysis:	(p=0.041); and refusing to deliver drugs for a friend (p=0.000).
received an adolescent risk-	Mean age (range): 13-16 at baseline	Organisation/institution	Response efficacy: significant protective effect demonstrated among youths receiving FOK +
reduction intervention	Ethnicity: African American youth	Time to follow-up: 6, 12, 18, 24	ImPACT compared to youths receiving FOK only. One item differed significantly: condoms prevent
	Other baseline: NR	months post-intervention	AIDS during sex (p=0.048)
Setting: Parent			Response cost : marginally significant enhancement of protection demonstrated among youths who
	Intervention details	Other details: None	received FOK + ImPACT compared to FOK only. Relevant, significant items were: a girl would be
Country: USA	Name: Informed Parents and Children		fine with a guy refusing sex (p=0.012, NB: favouring control; and sex feels good for girls (p=0.026).
	Together (ImPACT)	Baseline comparability	Threat appraisal pathway: The alpha values exceeded 0.70 for all 4 subscales assessing this
Funding source: National	Focus/aim: risk reduction for alcohol,	Groups balanced at baseline: NR	pathway. Only one subscale (intrinsic rewards) demonstrated a significant difference in mean values
Institute of Mental Health	smoking, drugs and sex	Comments: NR	between groups. Values were significantly lower in youths receiving FOK + ImPACT compared with
	Programme type: risk-reduction		FOK only
	programme	<u>Attrition</u>	
	Theoretical base: social cognitive	Number of participants completing	Personal and social skills
	model; Protection Motivation Theory	study: 494 (60%)	NR
	Key components: parent and school	Reasons for non-completion: NR	
	components		Health and social outcomes related to alcohol and sexual health
	Providers/delivers: Local facilitators		At 24 month follow up, five behaviours differed significantly on the basis of intervention assignment
	Length, duration, intensity: FOK-8		to FOK only vs. FOK + ImPACT including use of cigarettes, use of other illicit drugs, asking recent
	x1.5hr; 4x90m boost; 20min video, role		sexual partner if condom always used and 2 general risk behaviours.
	play etc		
	Other details:		Youth risk behaviours over the past 6 months: adjusted for ICC.
	Comparator: Focus on Kids (FOK) +		FOK only vs. FOK + ImPACT; FOK only vs. FOK + ImPACT+ booster; FOK + ImPACT vs. FOK +
	20min video on career goals +		ImPACT + booster; FOK only vs. any ImPACT intervention - p value:
	discussion		Smoked cigarettes: 0.008; 0.016; 0.859; 0.003
			Drank alcoholic beverages:0.850; 0.887; 0.968; 0.844
			Used marijuana: 0.401; 0.019; 0.141; 0.056
			Used other illicit drugs: 0.059; 0.073; 0.954; 0.015
			Talked with family or other adults about HIV/AIDS:0.830; 0.017; 0.015; 0.209
			Engaged in sexual intercourse: 0.896; 0.258; 0.238; 0.562
			Engaged in anal sex: 0.054; 0.462; 0.243; 0.101
			Asked recent sexual partner if condom always used: 0.393; 0.006; 0.060; 0.037

PSHE Community review	Jones et al (2010)

	Been pregnant or gotten a girl pregnant: 0.012; 0.732; 0.040; 0.086
	Used birth control during last sexual encounter: 0.428; 0.076; 0.341; 0.142
	Used condom during last sexual encounter: 0.561; 0.471; 0.879; 0.439

Study details	Intervention and population details	Analyses	Results
Wu et al., (2003)	Population details	Process details	Knowledge and understanding
	Inclusion: Aged 12-16 years; lived in or	Data collection method(s):	NR
RCT (cluster) +	around the 35 recruitment sites (housing	Questionnaire/Survey	
	developments, community centres, and	Statistical method(s) used to	Attitudes and values
Objective: To determine	recreation centres).	analyse data: General linear	No difference in risk taking intentions at 6- or 12-months, or according to whether participant's
whether the addition of a	<b>Exclusion</b> : Recognised psychiatric disorder or	modelling	received booster sessions.
parental monitoring	mental retardation	Unit of allocation: School	
intervention (Informed Parents	Total n= 817	Unit of analysis: Individual	Risk taking intention: Group means (FOK only; FOK + ImPACT)
and Children Together	Intervention, n= 496 (238 received booster)	Time to follow-up: 6 and 12 months	6 months: 1.94; 1.94
[ImPACT]) alone or with	Comparator, n= 321		12 months: 2.09; 2.02
"boosters" could enhance	<b>Male</b> n (%) = 42%	Other details:	Booster vs. non-booster (12 months): 2.01; 2.03
(either broaden or sustain or	Mean age (range): median 14 years (range		
both) the effect of a small	12-16 yrs)	Baseline comparability	Personal and social skills
group, face-to-face adolescent	Ethnicity: 100% Black	Groups balanced at baseline: Yes	At baseline, perceptions of parental monitoring were significantly higher among youths in
risk reduction intervention,	Other baseline: NA	Comments:	families that were randomised to receive FOK plus ImPACT compared with youths whose
Focus on Kids (FOK).			families that were randomised to receive FOK plus ImPACT compared with youths whose
	Intervention details	<u>Attrition</u>	families received FOK only. Although perceptions between both groups declined after
Setting: Community	Name: Focus on Kids (FOK) plus ImPACT	Number of participants completing	baseline, perceptions of parental monitoring after controlling were significantly higher among
	(with or without boosters)	<b>study</b> : 6 mo, n=608 (74%); 12 mo,	those exposed to FOK plus ImPACT compared to those receiving only FOK at 6 months
Country: USA	Focus/aim: HIV risk reduction, parental	n=580 (71%)	(p=0.008)
	monitoring and communication	Reasons for non-completion: NR	
Funding source: National	Programme type: HIV risk reduction		Health and social outcomes related to alcohol and sexual health
Institutes of Mental Health	intervention		Young people in families who received FOK plus ImPACT reported significantly lower rates of
	Theoretical base: FOK: social cognitive		sexual intercourse, sex without a condom, and alcohol and cigarette use and marginally lower
	theory, protection motivation theory		rates of risky sexual behaviour* compared with youths in families who received FOK only. At
	Key components: FOK emphasizes decision		12 months after intervention, again controlling for baseline differences, rates of alcohol and
	making, goal setting, communication,		cannabis use were significantly lower and cigarette use and overall risk intention were
	negotiating, and consensual relationships and		marginally lower among FOK plus ImPACT youths compared with FOK only youths.
	information regarding abstinence and safe		
	sex, drugs, alcohol, and drug selling. ImPACT		Two risk behaviours, use of crack/cocaine and drug selling, were significantly lower among the
	emphasises several concepts of parental		youths who received the additional boosters compared with youths without the boosters. The
	monitoring and communication through a		rates of the other risk behaviours and intentions did not differ significantly.
	video, role play and critique, and condom		
	demonstration. Booster session consisted of a		*getting sexually transmitted disease, getting pregnant or getting a girl pregnant, having sex,
	review of activities from the earlier sessions		using a condom, or having an infant.
	and new activities.		
	Providers/delivers: FOK: Group leader with		Group mean scores
	an assistant group leader		6 months (FOK only; FOK + ImPACT)
	Length, duration, intensity: FOK: 8 sessions;		Sexual risk: 0.50; 0.43
	booster at 7 months & 10 months		Sexual intercourse: 0.43; 0.37*

Other details:	Unprotected sex: 0.29; 0.15**
Comparator: FOK plus attention control	Drank alcohol: 0.31; 0.25*
condition regarding employment readiness	12 months (FOK only; FOK + ImPACT; FOK + ImPACT / FOK + ImPACT + booster)
and education	Sexual risk: 0.40; 0.44 / 0.48; 0.41
	Sexual intercourse: 0.35; 0.36 / 0.39; 0.33
	Unprotected sex: 0.26; 0.28 / 0.30; 0.26
	Drank alcohol: 0.31; 0.22** / 0.22; 0.23
	*p<0.05; **p<0.01; ***p<0.001