Appendix A. List of Community Education Search Terms

Family planning terms plus:

Pubmed

—Public Relations [Mesh] OR —Community-Institutional Relations [Mesh] OR —Health Education [Mesh] OR —Health Promotion [Mesh] OR —Marketing [Mesh] OR —Marketing of Health Services [Mesh] OR —Public Relations [All Fields] OR —Community-Institutional Relations [All Fields] OR —Health Education [All Fields] OR —Health Promotion [All Fields] OR —Health Services Marketing [All Fields] OR (Outreach) OR (—Health Educator)

—Communication | [Mesh] OR —Communications Media | [Mesh] OR —Internet | [Mesh] OR —Communication | [All Fields] OR —Communications Media | [All Fields] OR —Internet | [All Fields] OR —Mass Media | OR —Traditional Media | [All Fields] OR —Multimedia | [All Fields] OR —Information Technology | [All Fields] OR —Social media | [All Fields] OR —Social marketing | [All Fields]

CINAHL

((MH "Public Relations+") OR (MH "Community-Institutional Relations") OR (MH "Community Health Services+") OR (MH "Community Programs") OR (MH "Health Education+") OR (MH "Patient Education+") OR patient education OR (MH "Patient Education (Iowa NIC) (Non-Cinahl)+")) or (outreach or "health educator")

((MH "Communication+") OR communication OR (MH "Communications Media+")) or (Published "mass media" OR "social media" OR "social marketing" OR mulitimedia OR "traditional media" OR "information technology")

PsychInfo

((((DE "Community Services" OR DE "Home Visiting Programs" OR DE "Public Health Services")
OR (DE "Outreach Programs")) OR (DE "Health Education" OR DE "Sex Education")) OR (DE "Health Literacy")) or outreach or "health educator"

(((DE "Communication" OR DE "Augmentative Communication" OR DE "Electronic Communication" OR DE "Interpersonal Communication" OR DE "Nonverbal Communication" OR DE "Persuasive Communication" OR DE "Scientific Communication" OR DE "Verbal Communication") OR (DE "Communications Media" OR DE "Audiovisual Communications Media" OR DE "Mass Media" OR DE "Multimedia" OR DE "Telecommunications Media")) OR (DE "Communication Barriers")) or "mass media" or "traditional media" or multimedia

Popline

communication programs

Appendix B. Electronic Databases Searched for Systematic Review

Database	URL for Search Platform
Cumulative Index to Nursing and Allied Health Literature	http://ebscohost.com/
The Campbell Library	http://www.campbellcollaboration.org/library.php
The Cochrane Library	www.thecochranelibrary.com
Database of Abstracts of Reviews of Effects	http://www.crd.york.ac.uk/crdweb/
EMBASE	http://ebscohost.com/
MEDLINE	http://ebscohost.com/
PsycINFO	www.apa.org/psychinfo
PubMed (pre MEDLINE)	http://ebscohost.com/
U.K. National Health Service Economic Evaluation Database	http://www.crd.york.ac.uk/crdweb/
U.S. National Guideline Clearinghouse	www.guidelines.gov
HealthSTAR	http://www.kfinder.com/newweb/Products/hstar.html
POPLINE	http://www.popline.org/
Education Resource Information Center	http://www.eric.ed.gov/
UK National Institute of Clinical Excellence	http://www.nice.org.uk/
Evidence for Policy and Practice Information and Coordinating Centre	http://eppi.ioe.ac.uk/cms/
TRIP	http://tripdatabase.com/

Appendix C. Summary of Articles Included in Systematic Review of Community Education in Family Planning

Citation, funding	Study design	Population	Intervention	Results	Assessment of study
Alstead, 1999, U.S. Funding from the Washington State Health Department	Time series cross-sectional 3 independent surveys conducted at baseline, 2 months into intervention, and 7 months into intervention; 1 intervention conducted in 3 communities	Adolescents aged 15-17 years from 3 communities within King County, WA (U.S.) Baseline: n=341 2-month: n=606 Respondent characteristics across surveys: Female (48%, 53%, 50%); African American (30%, 21%, 27%); White (38%, 43%, 39%); 100% urban Random sampling of interviewees at various locations where youth congregate (e.g. parks, malls, school ground) 69% of those approached were willing to be interviewed	Aim: To increase condom use Two, 2-month campaign waves involving (1) placement of posters, billboards, a public mural, exterior and interior bus signs, radio spots; (2) provision of condom vending machines and free condom bins; and (3) distribution of ancillary materials (e.g., t-shirts, booklet in schools and health fairs.)	Exposure 73% of youth interviewed in either follow-up survey recognized any component of the campaign, with no significant differences in exposure by age, gender, race/ethnicity, or other measured factors Other psychosocial outcomes Intention to use condoms consistently in the future did not differ by exposure to the media campaign, among sexually- active youth Barriers Some adults were concerned about sexually-explicit messaging would encourage sexual activity Some local officials and businesses did not support the program, given its focus on condom use Costs were high and made use of TV prohibitive, though they obtained pro- bono contributions from ad agencies Facilitators Extensive community involvement in campaign development and implementation	Strengths Study groups comparable in terms of demographic characteristics across survey waves Weaknesses No control group Quality of study Level II-3 Risk of bias: high
Baraitser, 2002 UK	Time series cross-sectional 1 intervention in 1 community	2,978 of 3,908 new clients completed the questionnaire (76% response rate)	Aim: To increase service utilization Consolidated services from 4 clinics into the largest	Exposure An increasing proportion of new, young users heard about the new service from sex education classes, comparing	Strengths Anonymous, self- administered questionnaire

			34.13. 33 4		
Citation, funding	Study design	Population	Intervention	Results	Assessment of study
Funding source not noted Brindis,	All new patients were administered a questionnaire, from 6 months prior to service change to 18 months after They also tracked number of new clients over time, compared to other sites, using administrative data	Demographic characteristics not reported (but samples included both men and women, all ages; all urban) Males and female	one and expanded the hours of service availability, including drop-in appointments. They combined these changes with a clinic outreach program that actively promoted new service with local partners (e.g., schools, youth employment programs, etc.), using a clinical staff person as the outreach representative.	baseline and follow-up (e.g., 3.6% vs. 7.8% at 1st 6-months) Use of services Number of new clients increased at the expanded clinic, from 280 during 6 months prior to change, 708 in 1st 6 months after change, 872 in 2nd 6 months after change, and 959 in 3rd 6 months after change, and 959 in 3rd 6 months after change. Increases were seen across all age groups and was particularly significant among those under age 20 years (i.e., 24.6% of new clients were under age 20 in 6 months prior to change, compared to 30.9% in 1st 6 months after change, 29.9% in 2nd 6 months, and 32.05 in 3rd 6 months after change) Facilitators Having a dedicated outreach nurse who offered a flexible program of interventions Using a clinical outreach worker (vs. a youth worker, for example) as the lead on outreach, making expertise more widely available and referrals more possible during outreach efforts Having relationships with a wide variety of local organizations working with young people	Large population tracked over long time period Weaknesses No control group Not possible to distinguish between the impact of the outreach efforts from the changes in clinic hours with the current study design Quality of study Level II-3 Risk of bias: high
2005, U.S.	Cohort Study	adolescents visiting one	adolescents' clinic visit	Use of services	
∠003, U.S.	Conon Study	addiescents visiting one	audiescents chilic visit	OSC OF SCIVICES	

			34.13. 314		
Citation,	Study design	Population	Intervention	Results	Assessment of study
from the California Wellness Foundation	3 intervention groups and 1 control group (assigned retrospectively) 3 year study period Peer providers surveyed clients at in-take visit on sexual behaviors	of 5 family planning centers in California 1,424 females, 166 males (47% Hispanic; all under age 20 with about~50% aged 15-17 years) Urban/rural not reported	patterns and increase contraceptive and condom use Among women, 3 peer intervention models tested against a control group Group 1 (Control): Peer providers meet with clients prior to meeting with health care provider to conduct in-take session Group 2 (Clinictelephone): Group 1 + peer provider follow-up phone calls after visit and quarterly thereafter to provide support Group 3 (Clinic-outreach): Group 1 + exposure to teams of young adult outreach health educators providing group outreach in schools and individually (for males, particularly) in community setting Group 4 (Full model): Group 1 + Group 2 + Group 3 Among men, comparisons were only made between Group 1 (clinic services	Compared to control group, Group 2 females were more likely to return for an annual exam (AOR 1.43, <i>p</i> <0.05) Compared to control group, Group 4 females were more likely to return for an annual exam and make 3 or more visits (AOR 2.19, <i>p</i> <0.01 and 1.70, <i>p</i> <0.05, respectively)	Analyses controlled for confounding variables Weaknesses Potential for recall bias, particularly for recall of exposure to outreach component The inclusion criteria reduced the final sample size to only 19% of the initial female population and 8% of the initial male population. All groups received some level of peer provider services Quality of study Level II-3 Risk of bias: High

Sull, 2008. Group -level English-speaking females, aged 15-25 years, who lived in 12 neighborhoods in 2 states Assessment at baseline and 4 months post-campaign (32% African American, Select neighborhoods randomized to receive campaign among age group; time-space sampling Pre-campaign (31% community sites frequented from venues popular among age group; time-space sampling Pre-campaign (6,6,122 (60%) agreed to screen. Of those, 4,032 were eligible, and 85% of those (3.427) completed the baseline survey Surengths Aim: Increase knowledge, attitudes, and use of condoms (both male and female) Aim: Increase knowledge, attitudes, and use of condoms (both male and female) Social marketing campaign conducted in 6 months, involving posters and take-away cards that incentive Post-campaign, 11% of women reported being familiar with campaign materials. Social marketing campaign conducted in 6 months, involving posters and take-away cards that incentive Post-campaign, 11% of women reported being familiar with campaign materials. Social marketing campaign conducted in 6 months, involving posters and take-away cards that incentive Post-campaign, 11% of women reported being familiar with campaign materials. Social marketing campaign of conducted in 6 months, involving posters and take-away cards that female Social marketing campaign of social marketing campaign on take-away cards that incentive Social marketing campaign on the campaign of spot over 6 months, involving posters and take-away cards that female Strengths High participation rate 46,602 take-away cards were distributed, and 3.5% of those were redeemed for gift incentive Social marketing campaign on the female Social marketing campaign on		G. 1 1 1	D 1.1	T	D 1	1 4
Bull, 2008, U.S. Group –level RCT English-speaking females, aged 15-25 years, who lived in 12 neighborhoods in 2 states Assessment at baseline and 4 months post-campaign (32% African American, Select neighborhoods randomized to receive campaign Select meighborhoods randomized to receive campaign (32% African American, 35% Latina); urban Per-campaign: Of 10, 136 women approached, 6,122 (60%) agreed to screen. Of those, 4,032 were elligible, and 85% of those (3,427) completed the baseline survey only and Group 3 (Clinic-outreach) Image: Increase knowledge, attitudes, and use of condoms (both male and female) Social marketing campaign conducted in 6 neighborhoods over of elegiborhoods or an discussion of the service of exposure the intervention in the control areas. N=3,407 pre-campaign (32% African American, 35% Latina); urban N=3,003 post-campaign (32% African American, 35% Latina); urban Participants recruited from venues popular among age group; time-space sampling Pre-campaign: Of 10, 136 women approached, 6,122 (60%) agreed to screen. Of those, 4,032 were elligible, and 85% of those were redeemed for gift incentive Social marketing campaign conducted in 6 neighborhoods over of elighborhoods over of eligiblorhoods over of elegiborhoods over of elegiborhoods over of elegem for a special package of condom materials; posters and such were placed in bathrooms and bulletin boards in condom-related by oung women Coupon was redeemable at 3-5 sites in each campaign of public service announcements or other campaign elements The use of time—space sampling to enumerate women for evaluation helped to identify key placement opportunities for the campaign.	Citation,	Study design	Population	Intervention	Results	Assessment of study
Bull, 2008, U.S. Group –level RCT females, aged 15-25 years, who lived in 12 neighborhoods in 2 states Assessment at baseline and 4 months post-campaign (33% African American, A2% Latina) N=3,003 post-campaign (32% African American, a see campaign campaign campaign (32% African American, a see	funding			1 10 2 (01: :		
Bull, 2008, U.S. Group—level RCT Active females, aged 15-25 years, who lived in 12 neighborhoods in 2 states Assessment at baseline and 4 months post- campaign Active from venues popular among age group; time- space sampling Pre-campaign: Of 10, 136 women approached, 6,122 (60%) agreed to screen. Of those, 4,032 were eligible, and 85% of those (3,427) completed the baseline survey English-speaking females, aged 15-25 years, who lived in 12 neighborhoods in 2 states Aim: Increase knowledge, attitudes, and use of condoms (both male and female) Social marketing campaign conducted in 6 neighborhoods over 6 neighborhoods randomized to receive campaign (32% African American, 42% Latina); urban Participants recruited from venues popular among age group; time- space sampling Pre-campaign: Of 10, 136 women approached, 6,122 (60%) agreed to screen. Of those, 4,032 were eligible, and 85% of those were redeemed for gift incentive and steek and 3.5% of those were redeemed for gift incentive and steek and 3.5% of those were redeemed for gift incentive and steek and 3.5% of those were redeemed for gift incentive and steek and 3.5% of those were redeemed for gift incentive and 5.5% of those were redeemed for gift incentive and 5.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and 3.5% of those were redeemed for gift incentive and special park and seven and such service and take-away cards that included a coupon to redeem for a special package of condom materials; posters and such were placed in bathrooms and bulletin boards in communities to leverage support for the is				_ ·		
U.S. RCT females, aged 15-25 years, who lived in 12 formley states Assessment at baseline and 4 months post- campaign Select andomized to receive campaign Campaign Pre-campaign: Of 10, 136 women approached, 6,122 (60%) agreed to screen. Of those, 4,032 were eligible, and 85% of those (3,427) completed the baseline survey attitudes, and use of condoms (both male and fomodoms (both male and s.5% of those were redeemed for gift incentive Social marketing campaign (and 3.5% of those were redeemed for gift incentive Social marketing campaign (and s.5% of those were redeemed for gift incentive Social marketing campaign and serials. Knowledge and awareness No differences in condom-related knowledge or attitudes between campaign or comparison neighborhoods Facilitators Building partnerships within communities to leverage support for the issue and getting corporate sponsorship for public service announcements or other campaign elements The use of time-space sampling to enumerate women for evaluation helped to identify	D 11 2000	C 1 1	F 1: 1 1:	,	P.	C1
682 women approached, 4,228 (64%) agreed to screen. Of those, 3,920 were eligible, and 3,036	·	RCT 6 intervention areas and 6 control areas Assessment at baseline and 4 months post-campaign Select neighborhoods randomized to receive	females, aged 15-25 years, who lived in 12 neighborhoods in 2 states N=3,407 pre-campaign (33% African American, 42% Latina) N=3,003 post-campaign (32% African American, 35% Latina); urban Participants recruited from venues popular among age group; time- space sampling Pre-campaign: Of 10, 136 women approached, 6,122 (60%) agreed to screen. Of those, 4,032 were eligible, and 85% of those (3,427) completed the baseline survey Post-campaign: Of 6, 682 women approached, 4,228 (64%) agreed to screen. Of those, 3,920	Aim: Increase knowledge, attitudes, and use of condoms (both male and female) Social marketing campaign conducted in 6 neighborhoods over 6 months, involving posters and take-away cards that included a coupon to redeem for a special package of condom materials; posters and such were placed in bathrooms and bulletin boards in community sites frequented by young women Coupon was redeemable at 3-5 sites in each campaign	46,602 take-away cards were distributed, and 3.5% of those were redeemed for gift incentive Post-campaign, 11% of women reported being familiar with campaign materials. Knowledge and awareness No differences in condom-related knowledge or attitudes between campaign or comparison neighborhoods Facilitators Building partnerships within communities to leverage support for the issue and getting corporate sponsorship for public service announcements or other campaign elements The use of time—space sampling to enumerate women for evaluation helped to identify key placement opportunities	High participation rate Used validated survey measures Analysis controlled for confounding variables Weaknesses Evidence of exposure to the intervention in the control group Quality of study

Citation, funding Complete the survey (92%). Doniger, 1 intervention in 2001, U.S. 1 county in NYC were the primary target Funding Part of the Population Intervention In
Complete the survey (92%). Doniger, 2001, U.S. 1 county 1 county in NYC Sexual initiation and reduce were the primary target The teen pregnancy rate Complete the survey (92%). Exposure Exposure Awareness of at least some element of the campaign was 95% at 1 and 3 years, high school survey (the complete the survey (92%). Exposure Awareness of at least some element of the campaign was 95% at 1 and 3 years, high school survey (the complete the survey (92%). Complete the survey
Doniger, 2001, U.S. 1 intervention in 2001 years in 1 county in NYC were the primary target 2001 were the primary target 2001 years
2001, U.S. 1 county in 1 county in NYC sexual initiation and reduce the primary target sexual initiation and reduce the teen pregnancy rate Awareness of at least some element of the campaign was 95% at 1 and 3 years, high school survey (the
were the primary target the teen pregnancy rate the campaign was 95% at 1 and 3 years, high school survey (the
Funding Part of the of the intervention among middle school students VRRS
source not evaluation Branded, multi-year mass
noted involved a time Middle school survey media communications Other psychosocial outcomes Assessed changes in
series cross- conducted among campaign including paid Percent of middle school students who pregnancy rates, using
sectional study convenience sample of television and radio reported that they could handle the vital statistics, with
design, using children in 7th and 8th advertising, and billboards. consequences of sex decreased from comparison groups
the pre- grades from 9 schools Posters and related 34% to 22% (p <0.05) from survey wave
exposure discussion guides were 1 to wave 3. Multiple methods used to
community as Baseline n=2,324 distributed to local triangulate program effect
baseline and 1 year n=2,083 elementary and middle Percent of middles school students who
involving 3 year n=1,578 schools, and educators reported they would have sex with a Weaknesses
surveys at trained to utilize them in boy/girlfriend who kept asking them for No control group for short
baseline, 1 year Age, race/ethnicity, appropriate classes. Related sex decreased (from 21% to 16%, and medium-term
and 3 year gender not reported educational materials were $p<0.01$) from survey wave 1 to wave 3. outcomes assessed
follow-up distributed to parents (width solved by the solved solved by the solved by
(middle school survey survey) or at through the YRBS through local libraries and survey or at through the YRBS through the YRBS through local libraries and libraries and survey or at through the YRBS through local libraries and libraries an
survey) or at baseline, 2 years through the YRBS CBOs, and presentations and events were conducted increase in the percent of middle school students
and 4 years follow-up (high Baseline: 1,395 (51% settings students who reporting they would talk to a parent or guardian about sex if they methods not described
school survey) female) settings to a patent of guardian about sex if they methods not described had a question.
2 year: 1,703 (54% Survey response rates not
Impact was female) Facilitators reported
assessed among 4 year: 1,737 (51% A community advisory group helped link
middle-school female) A community advisory group helped link the project to stakeholders in the local Quality of study
students through students through
a dedicated Race/ethnicity not Risk of bias: high
survey, and reported; The local television and radio stations
impact among urban/suburban settings I fine local television and radio stations discounted the cost of airing the
high school high school discounted the cost of airing the commercials as a community service
students was County-wide teen Commercials as a community service
assessed pregnancy rates were

Citation,	Study design	Population	Intervention	Results	Assessment of study
funding		_			
	through use of the YRBS surveys. The other part involved a prospective cohort study using vital statistics.	compared to those reported to vital statistics for the entire state and two large nearby counties over the project period			
DuRant et al.	Retrospective	Parents of adolescents	Aim: To increase parent	Exposure	Strengths
2006, U.S.	Cohort Study	aged 12-18 years living in 20 counties in North	communication with their adolescent children about	Exposure to TV PSAs was high (64% in counties where it aired), exposure to	Analysis controlled for confounding variables
Funding	1 intervention of	Carolina	sex	radio PSAs was low (15%), and	
from the	varying			exposure to billboards was moderate	Weaknesses
North	intensity in 32	1,132 parents	9 month campaign	(27%). Parents outside counties where	Only post-intervention
Carolina	counties	interviewed across 32	providing exposure to paid TV PSAs, radio PSA,	these media were aired also reported	data available
Department of Health	Assessment	counties (approximately 35 in each county), post-	billboards, and/or bus signs	seeing/hearing those media messages.	Only parents living in
and Human	during the last	exposure, using a	with the campaign	Parent-child communication	homes with working
Services and	month of the	random sample of	messages	Frequency of exposure to radio (p <0.01)	phones were included
the	campaign (9	telephone numbers		and TV PSAs ($p < 0.001$) about sex and to	
Adolescent	months)	(sample of 9,002	Message intensity varied	billboards (p <0.05) about teen pregnancy	Quality of study
Pregnancy		numbers obtained)	across counties, ranging	were each positively associated with	Level II-2
Prevention		- 200	from no exposure to just	parents having talked to their adolescent	Risk of bias: high
Coalition of		73% female parents	one media, up to having all	children about sexual issues in the past 6	
North Carolina		interviewed; 85% white non-Hispanic; mean age	media	months. Frequency of exposure to billboards about sex and to TV PSA's	
Caronna		44 years; Rural/urban		about teen pregnancy were not	
		split not reported		associated with this outcome.	
		•			
				Frequency of exposure to billboards	
				(p<0.05), radio $(p<0.01)$ and TV PSAs $(p<0.05)$ about sex were each positively	
				associated with parents' intentions to do	
				so in the next month. Exposure to	
				billboards, radio, and TV PSA's about	

	T	1			
Citation,	Study design	Population	Intervention	Results	Assessment of study
funding					
				teen pregnancy were not associated with	
				this outcome.	
				Frequency of exposure to the billboards	
				and TV PSAs was not significantly	
				associated with parents' attitudes about	
				communicating with their children about	
				sexual issues (based on an 8-point	
				attitude scale)	
Evans, 2009,	RCT	Random sample of	Aim: To increase parental	<u>Use of services</u>	Strengths
U.S.		parents of children aged	communication with	Use of the recommended, online parent	Study groups comparable
- T	3 groups: 2	10-14 years across the	children about sex and to	website increased among both mothers	in terms of demographic
Funding	interventions	U.S. who were involved	increase use of online	and fathers in treatment groups, at both	characteristic and overall
from the	and 1 control	in the Knowledge	resources for parent-child	follow-up points (e.g., AOR of visiting	attrition rates
Office of	0.1	Networks online	communication by parents	the website was 7.8, <i>p</i> <0.01, among	A 1 1 1 1 C
Population	Online surveys	research panel (a	T	mothers in treatment group at 4 weeks)	Analyses adjusted for
Affairs, HHS	administered at	nationally-representative	Intervention group 1 viewed or listened to 2	Demont abild a survey lasting	various confounding variables
	baseline, 4	sample of adults)		Parent-child communication	variables
	weeks, and 6 months	N=811 Mothers were	print PSAs, 1 radio PSA,	Fathers in intervention group increased initiation of conversations with their	Washnesses
	HIOHHIS		and 1 TV PSA, including promotion of the use of	children about sex at 4 weeks after	Weaknesses Solf report data provided
		randomly assigned to 1	online parenting resources.		Self-report data provided immediately after viewing
		of 3 groups (e.g. In control group: 87%	All were tailored to	exposure (AOR 1.76, <i>p</i> < 0.01). No effect on conversation initiation found among	materials at follow-up
		white, 78% with some	participants' race/ethnicity,	mothers.	visits
		college or more)	and were provided	mothers.	VISITS
		conege of more)	immediately after baseline	Both mothers and fathers increased	Potential contamination of
		N=645 Fathers assigned	survey and immediately	recommendations to their children to	control group with
		to control or Group 1	prior to both follow-up	wait before becoming sexually active at	exposure to messages
		only (no booster) (e.g. In	surveys	6 months (AOR 2.35, <i>p</i> < 0.05 and 2.33,	outside of study
		control group: 87% were	Sarveys	p<0.01, respectively)	outside of study
		white, 83% with some	Intervention group 2	P total, respectively)	High attrition rates of the
		college or more)	(Booster) received: the	No effects on frequency of talking to	treatment group at 6 month
			Group 1 package as well as	child about being sexually active among	test point (e.g., 30% of
		Rural/urban: not	2 additional print PSAs, 1	mothers or fathers	treatment mothers and
		reported	additional radio PSA and 1		23% of control mothers,
		_	TV PSA, which was	Booster sessions showed no additional	and 28% of treatment
			provided immediately prior	effect on communication behavior	

Citation, funding	Study design	Population	Intervention	Results	Assessment of study
Ionomy			to the second follow-up survey		fathers vs. 18% of control fathers)
			Control group: No intervention		Quality of study Level I Risk of bias: Moderate
Gee, 2007, U.S.	Time series cross-sectional 1 intervention in	Childbearing women aged 18-44 in a Boston community with high percentages of Hispanic	Aim: To increase knowledge of EC, access to and education about EC, and willingness to use EC	Knowledge and awareness Comparing the sample after the campaign with the baseline sample, there were significant increases in percent of	Strengths Community-based sampling
from NARAL Pro-Choice	1 community Assessment at	residents Participants recruited at	Community campaign including educational signs	women who had heard of EC (91% vs. 82%, <i>p</i> < 0.01); who had correct knowledge of EC (49% vs. 39%,	Study groups comparable in terms of age and race/ethnicity
Massachusett s, the EC Network, and Brigham and women's	baseline and then 2 years later	public locations frequented by local residents Pre-intervention n=188	placed in community settings, distribution of pamphlets to local businesses; educational- promotional packets on EC	 p<0.05), who had discussed EC with a health care provider (38% vs. 25%, p<0.01), who had received an advance prescription (22% vs. 12%, p<0.01), and who intended to use EC in the future if 	Weaknesses Convenience sampling method
Hospital Obstetrics and		(57% white, 29% Hispanic)	provided to local health centers and pharmacies; lectures and one-on-one	needed (79% vs. 63%, <i>p</i> < 0.01). Disparities in awareness of EC remained,	No control group Participation rates not
Gynecology Department		Post-intervention n=290 (56% white, 24% Hispanic)	detailing offered to pharmacists and health center staff; peer-to-peer	with Hispanic and black women less likely to know about EC than white women (79% and 88% vs. 97%,	reported
		Urban	outreach with pharmacists Conducted from 2003-2005	respectively). However Hispanic women's awareness rose significantly from 51% to 88% during the campaign.	Quality of study Level II-3 Risk of bias: High
				<u>Facilitators</u> Intervention was low-cost	
Gold 2010, Australia	Pre-post study evaluation	Young people aged 16- 29 years in Melbourne	Aim: To promote sexual health knowledge and behavior	Exposure 80% of respondents at follow-up reported they found the text messages	Strengths Natural program setting, not an artificial study
Funding from the	1 intervention in 1 group	Participants were recruited at a large,		entertaining or interesting, and 68% learned something from them	environment
Windermere Foundation,		annual music festival	A total of 12 catchy text messages about STIs and	<u>Use of services</u>	Weaknesses No control population

Citation,	Study design	Population	Intervention	Results	Assessment of study
funding		_			•
Pierce	Assessment at	1,771 were both eligible	promoting STI testing and	Reported STI testing in the previous 6	
Armstrong	baseline and 2	and enrolled to receive	condom use were sent	months increased from baseline to	The response rate to the
Trust, and	weeks after last	the texts; 319 dropped	about every 2 weeks	follow-up (8% vs. 10% for males,	follow-up survey was low
the Burnet	broadcast	out, and 587 completed	·	<i>p</i> <0.05, 18% vs. 23% for females,	
Institute,		the post-intervention		p < 0.01)	Those who were lost to
with other		survey (40%), which			follow-up were
support from		was on-line		Knowledge and awareness	significantly different from
the				Knowledge of sexual health based on 6	those who completed the
Australian		Pre-intervention survey		questions increased (56% vs. 27% for	follow-up survey, in terms
Government		n=1,765 (55% women)		males, 71% vs. 41% for females, both	of gender, education, or
				<i>p</i> <0.01)	health service use in the
		Post-intervention survey			past 12 months
		n=587 (64% women)		<u>Facilitators</u>	
				Use of funny, catchy messages	Short follow-up period
		Ethnicity/race not			
		reported; Rural/urban		Text messaging was inexpensive	Quality of study
		not reported			Level II-3
					Risk of bias: High
Hall, 1996,	Time series	57 women who attended	Aim: To increase	Exposure	Strengths
UK	cross-sectional	a family planning clinic	knowledge of EC, requests	Few women interviewed reported that	Use of administrative data
T 1'	with .	for EC during 8 weeks	for information about EC,	they heard about EC on the radio (2/59)	to assess EC prescriptions
Funding	comparison	from the start of the	and use of EC, among	TT C	XX7 1
source not	1 :	campaign were administered a	young women	Use of services There were 44 calls to the EC hotline	Weaknesses
noted	1 intervention area and 1		Radio PSA about EC was		Small sample of women interviewed
	control area	questionnaire about source of information on	broadcast 4 times a day	during main hours, and 233 calls out of main hours	interviewed
	control area	EC	over a period of 4 weeks in	main nours	Quality of study
	Survey	EC	the local stations, with	Comparing 4-month time periods before	Level II-2
	assessment	Prescription records kept	supplemental advertising	and after the campaign, there was a 17%	Risk of bias: High-
	during 8 weeks	by family planning	through posters, beer mats,	increase in mean EC prescriptions per	moderate
	from the start of	clinics and sexual health	promotional packages	month by General Practitioners in	moderate
	the campaign	services were used to	mailed to general	intervention area, compared to a 4%	
	and campaign	asses prescriptions for	practitioners, and press	increase in control area; however, all	
		EC dispensed in period	releases to local media	areas were experiencing some increase in	
	Assessment of	before and after the		prescriptions	
	prescriptions for	campaign		F	
		r ·· 6		Knowledge and awareness	
	one year prior,			Knowledge and awareness	

Citation, funding	Study design	Population	Intervention	Results	Assessment of study
Tunung	and one year after intervention (family planning clinics) and for 4 months prior and after intervention (general practitioner data)	Calls to an EC hotline were tracked Control group: another health authority without the intervention Age, ethnicity of population not reported; urban		Knowledge of EC among 57 women surveyed was already high (29/57) 93% increase in EC prescriptions at family planning clinics in the intervention area compared to previous year (800 vs. 425), and the increase was continuing. Barriers EC hotline only open during business hours Radio PSA was not able to mention EC explicitly due to advertising regulations Facilitators Collaboration among clinics in the	
Hillman, 1991, U.S.	Pre-post study 1 intervention, 1 group Assessment done immediately prior and after intervention	143 teens aged 13-19 years who were in the audience of one of seven performances 38% white, 20% black, 22% Hispanic; 51% female; rural/urban not reported	Aim: To increase knowledge of sexual health and increase comfort and willingness to discuss sexual issues with parents or friends One-hour presentation of skits and monologues, performed in 4 churches and 3 schools	region reached by the radio campaign helped to share the costs of the advertisement campaign. Other psychosocial outcomes Following the performance, teens were significantly more likely to report more willingness to discuss sexual topics with others (based on 4-item scale, mean 11.4 vs. 13.5, p>0.01), greater intention to use contraception (mean 3.7 vs. 4.3, p<0.01) No significant changes in comfort level discussing sexual issues (based on 4-item scale), intention to use condoms, or intention to delay sex. Knowledge and awareness Teens showed greater sexual health knowledge after the performance (based	Weaknesses Convenience sample Small sample Short follow-up time Recruitment strategy not described Quality of study Level II-3 Risk of bias: High

			33.33.33.33.		
Citation,	Study design	Population	Intervention	Results	Assessment of study
funding					
				on 6-item scale, mean 20.5 vs. 24.8,	
				<i>p</i> <0.01).	
Kirby, 1989,	RCT	Low-income, teen males	Aim: To increase	Exposure	<u>Strengths</u>
U.S.		in school, aged 16-17	knowledge attitudes related	713/985 (72%) of the intervention group	Anonymous, self-
	1 intervention	years old	to sexual activity and	reported receiving the mailing and of	administered survey
Funding	and 1 control		condom use and to increase	those, 91% read it, 44% talked about it	
from	group	Random sample drawn	condom use among	with friends, and 50% showed it to	Participants unlikely to
Population		from mailing lists to	sexually-active boys	parents	have known they were a
Planning	Assessment at 5	represent low-income			part of research project
Associates	weeks post-	adolescent males	One-time mass mailing of a	<u>Use of services</u>	and thus less likely to
	mailing	nationally	12-page pamphlet about	Intervention group was significantly	provide socially-desirable
			STI and pregnancy risk and	more likely to have ordered condoms by	results
		Survey conducted 5	promoting contraceptive	mail (7% vs. 1%, p<0.01)	
		weeks after mailing, by	and condom use, along	77	Participation rate among
		telephone, to assess	with an order coupon for	Knowledge and awareness	those reached by phone
		exposure and impact	free condoms	Knowledge score based on 11-item scale	was 86%
		Intomontion onom		were slightly higher among intervention	Cturder annual agent analyla
		Intervention group n=985		group (83% vs. 80%, p<0.01).	Study groups comparable in measured characteristics
		Control group n=1,033		Other psychosocial outcomes	in measured characteristics
		Control group II=1,033		No significant differences in STD and	Weaknesses
		Race/ethnicity: 82%		pregnancy-related attitude measures (5	Potential for non-response
		white and 12% black (in		scales assessed) between groups	bias given that survey only
		both group)		seales assessed) between groups	administered to individuals
		com group)		Facilitators	who answered phones
				Direct mail was relatively inexpensive,	who answered phones
				for the numbers of people reached and	Response rate for
				speed of reaching them	interviews was 53%,
					,
					Short follow-up period
					Quality of study
					Level 1
					Risk of bias: low
Larsson,	Longitudinal	Women aged 16-30	Aim: To increase	Exposure	Strengths
2004,	cohort with	years in two counties	knowledge and attitudes	Baseline awareness of EC was high in	1 year follow-up
Sweden	comparison			both groups (>97%).	

Citation, funding Population Intervention Random sample of about EC and intention to individuals taken from use EC 64% of y	Results Assessment of study Analysis controlled for confounding variables Information about EC in the Intervention group had
Random sample of about EC and intention to	women in intervention group had confounding variables
1	women in intervention group had confounding variables
from the Swedish National Institute of Institute of Public Health and the Family Planning Fund of Uppsala Uppsala The synchronic ounty National Institute of Public Health and the Family Planning Fund of Uppsala The synchronic ounty National Institute of Public Health and the Family Planning Planning Fund of Uppsala The synchronic ounty National Institute of Public Health and the Family Planning Planni	s year through some channel, vs. better knowledge of EC at baseline than control

Citation,	Study design	Population	Intervention	Results	Assessment of study
funding		_			
· · · · · · · · · · · · · · · · · · ·	Time series cross-sectional w/ Comparison Group 1 intervention county and 1 control county Assessments at baseline (over 2 month period) and 1 year (over a 5-month period)	Women aged 16-30 years Anonymous questionnaires given to all women seeking abortion in waiting rooms of 2 family planning centers, 1 in the intervention area and 1 in the control area Baseline N=182 (mean age 27) Follow-up N=449 (mean age 27) Rural/urban not reported Consecutive sampling strategy Of 251 women requesting an abortion	Aim: To increase knowledge and attitudes about EC and intention to use EC, and use of EC Media campaign involving 3 2-3 week phases, over 1 year period and including newspaper ads, posters at youth clubs, bus ads Intervention also included a brochure, which was provided to nurse-midwives working in family planning clinics, to provide to women; also and EC website was made available; and women requesting an abortion were offered 1 package of EC to take home	Barriers Engaging health personnel in information campaigns is a demanding task that requires careful planning and allocation of resources. Intervention at health facility level for providers was not intensive Exposure 63% of women in intervention group reported some kind of information about EC during the previous year, vs. 41% of control group women. No statistically significant difference between groups in the percent of women who recalled receiving information about EC from a health care provider, among those who saw a family planning provider in the previous year. Knowledge and awareness After the intervention, women in the intervention group were more aware of EC, more knowledgeable than women in the control group (e.g., correct answer for timeframe for use increased from 49% to 59% in the intervention group, compared to 48% to 43% in the control group, p<0.01)	Strengths Study groups comparable in terms of demographic characteristic High participation rates Weaknesses Relatively small sample size for baseline survey Quality of study Level II-2 Risk of bias: Moderate
		during baseline survey			
		period, 197 were invited			
		to participate, and 93%			

			Carter et al.		
Citation, funding	Study design	Population	Intervention	Results	Assessment of study
		completed the questionnaire Of 556 women requesting an abortion during follow-up survey period, 509 were invited to participate and 88% completed the questionnaire			
Lim 2011, Australia Funding from the Australian Health Ministers Advisory Council Priority Driven Research Program, 2005	RCT 1 intervention and 1 control group Assessment at baseline, 3, 6, and 12 months	Young people aged 16- 29 years in Melbourne Participants recruited at a large, annual music festival Participants randomized into intervention or control group after recruitment N=949 completed the baseline survey and were randomized. 59% (587) completed at least one follow-up questionnaire; 34% (337) completed all three follow-up questionnaires. 2/3 urban; 58% female; 58% and 55% aged 16- 19 years (intervention and control, respectively)	Aim: To increase STI knowledge, health-seeking behavior, and condom use Intervention group received 8 emails and 14 text messages over 12 months, which provided catchy messages about STIs and which promoted health-seeking behavior and condom use with new or casual partners Control group received no emails or text messages	Use of services At 12 months, females in the intervention group were significantly more likely to have had an STI test in the prior 6 months (18% vs. 9%) and to have discussed sexual health or contraception with a health care provider in the past year (60% vs. 37%), compared to females in the control group. Knowledge and awareness Both groups showed improvements in knowledge across the time points, but knowledge (based on 8-item scale) was significantly higher in the intervention group, for both sexes (AOR for high knowledge was 2.36 for intervention group at 12 months.)	Strengths Real world study context Study groups comparable in terms of demographic and behavioral measures at enrollment Analyses controlled for confounding variables Weaknesses Substantial loss to follow-up Quality of study Level I Risk of bias; Moderate

Trussell 1998, 2001, U.S. Funding for the caultation are removed intervention from across from the Henry J. Kaiser Foundations the intervention proundations Evaluation also involved frunding from numerous private foundations Funditions Fundition from across time tremption from across the U.S. Funding for the call to the campaign stated the saseline and at end of campaign involving both paid advertising (TV and radio) and public media advertising (TV and radio) and public media according and at end of campaign involving both paid advertising (TV and radio) and public media according and at end of campaign involving both paid advertising (TV and radio) and public media according and according and private foundations Fundition (1) year) Fundation also involved frunding from numerous private foundations Foundations Fundition (2) year (2) yea				34.13. 314		
Truscell 1998, 2001, 1998, 2001, 200	Citation,	Study design	Population	Intervention	Results	Assessment of study
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EU.S. Funding for the evaluation of exposure to evaluation from came from the Henry J. Kaiser Foundations Surveys at baseline and at Family provide funding from numerous private foundations Fundations Survey at baseline and at Family eleveled funding from numerous a private foundations Fundations A baseline and at Family eleveled funding from numerous a private foundations Fundations Fundation also intervention from across at Family evaluation also intervention free; we foundations Fundations Fundation also intervention from across at Family evaluation also intervention free; we for time with the Henry J. Kaiser Foundations, the intervention from the Henry J. Kaiser Foundations Fundations Fundation also intervention from across at Family evaluation also intervention intervention from across at Family evaluation also intervention from across at Family evaluation also intervention intervention from across at Family evaluation also intervention intensity and average age not reported; urban and print PSAs), as more local media coverage and grassroots outreach to providers and realized community across cities and radio) and public media (radio and print PSAs), as well as some local media coverage and grassroots outreach to providers and radio) and print PSAs), as well as some local media coverage and grassroots outreach to providers and radio) and print PSAs), as well as some local media coverage and grassroots outreach to providers and radio) and print PSAs), as well as some local media coverage and grassroots outreach to providers and across cities and radio) and print PSAs), as well as some local media cover the course of the campaign and of 4% post-ca	1998, 2001,	cross-sectional		knowledge of EC and	The number of calls to the Hotline more	Large sample size
Funding for the evaluation came from the Henry J. Kaiser Family Foundations Surveys at baseline and at Family production; the intervention received funding from numerous private foundations Bealine and at Follow-up n=1,248 Fol	U.S.			increase volume of calls to	than doubled once the campaign started	
the cvaluation of exposure came from the Henry J. Kaiser Family Foundation; the intervention received funding from numerous private foundations of undations Foundations Fou		1 intervention	intervention, from across	the Emergency		Weaknesses
evaluation came from the Henry J. Kaiser Pamily Foundation; the intervention received funding from numerous private foundations of the Henry I. Raiser Poundations of the Henry J. Raiser Poundation; the intervention received funding from numerous private foundations of the Henry J. Raiser Poundation; the intervention received funding from numerous private foundations of the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the Henry J. Raiseline and at each joint provided the J. Am they have the Helphone bouseholds and print PSAs), as well as some local media cargaign in valved tradic and print PSAs), as well as some local media cargoi and print PSAs), as well as some local media cargoi and print PSAs), as telephone households and print PSAs), as telephone households and city, vs. 191% increase from PSA of Tour Grait provided and city, vs. 191% increase from PSA of Tour Grait provided and city, vs. 191% increase from PSA of Tour Grait provided and print PSAs), as telephone tour each city and radio and print PSAs), as telephone bouseholds and city, vs. 191% increase from PSA of Tour Grait provided and city, vs. 191% increase from PSA of Tour Grait provided and city, vs. 191% increas	Funding for	group, but with	the U.S.	Contraception Hotline	Paid advertising resulted in larger	Low response rates (from
came from the Henry J. Kaiser Asaser In Surveys at Saureys at Pamily Foundation; the intervention received funding from numerous private foundations over time over time over time over time foundations. Surveys at Saureys at Baseline and at Family Foundation; the intervention received funding from numerous private foundations. The foundations over time o	the	varying levels		-	increases in the volume of calls to the	35% to 49%, across cities
the Henry J. Kaiser Surveys at baseline and at pamily Foundation; the finite rention received funding from numerous private foundations Surveys at baseline and at baseline and at end of campaign (1 year)	evaluation	of exposure	Participants were	One-year national media	Hotline (e.g., 5247% increase in 1 paid	and survey phases)
Kaiser Family and public media (radio and print PSAs), as well as some local media coverage and grassroots outreach to providers and private foundations Evaluation also involved funding from numerous private foundations Evaluation also involved tracking calls to an EC Hotline over time Evaluation also involved tracking calls to an ICH outline over time Evaluation also involved tracking calls to an ICH outline over time Evaluation also involved tracking calls to an ICH outline over time Evaluation also involved tracking calls to an ICH outline over time Evaluation also involved tracking calls to an ICH outline over time Evaluation also involved tracking calls to an ICH outline over time Evaluation also involved tracking calls to an ICH outline over time over time Evaluation also involved tracking calls to an ICH outline over time over time Evaluation also involved tracking calls to an ICH outline over time over time Evaluation also involved tracking calls to an ICH outline over time over time over time Race/ethnicity and average age not reported; urban Intervention intensity varied across cities; 2 had intensive efforts Intervention intensity varied across cities; 2 had intensive efforts Pooled regression analysis found that paid advertising (vs. just PSA) resulted in larger increases in knowledge, except on one knowledge item (related to the 72 hour limit of effectiveness for EC) (e.g. AOR for interaction term for post-campaign and paid advertising was 1.86, p<0.01, for having ever heard of EC) Barriers Constraints were placed on the campaign in again images to ensure they did not arouse a backlash,	came from	_	randomly sampled	campaign involving both	ad city, vs. 191% increase from PSA	
Family Foundation; Poundation;	the Henry J.	Surveys at	through a telephone	paid advertising (TV and	campaign)	No control group
Foundation; the intervention received funding from numerous private foundations Correct responses to three of four knowledge/awareness questions related to EC increased in all cities over the course of the campaign, among both minority and non-minority women (e.g., percent who had heard of EC was 55% pre-campaign and 64% post-campaign in 3 cities, p<0.01; and 55% and 77%, respectively, in 2 cities with intensive campaigns, p<0.01). Exception was knowledge of the 72-hour limit. Pooled regression analysis found that paid advertising (vs. just PSA) resulted in larger increases in knowledge, except on one knowledge item (related to the 72 hour limit of effectiveness for EC) (e.g. AOR for interaction term for post-campaign and paid advertising was 1.86, p<0.01, for having ever heard of EC) Barriers Correct responses to three of four knowledge/awareness questions related to EC increased in all cities over the course of the campaign, among both minority and non-minority women (e.g., percent who had heard of EC was 55% pre-campaign and 64% post-campaign in 3 cities, p<0.01). Exception was knowledge of the 72-hour limit. Pooled regression analysis found that paid advertising (vs. just PSA) resulted in larger increases in knowledge, except on one knowledge item (related to the 72 hour limit of effectiveness for EC) (e.g. AOR for interaction term for post-campaign and paid advertising was 1.86, p<0.01, for having ever heard of EC) Barriers Constraints were placed on the campaign's messaging and images to ensure they did not arouse a backlash,	Kaiser	baseline and at	survey in each city	radio) and public media		
the intervention received funding from numerous private foundations Baseline n=1,248 Follow-up n=1,24	Family	end of campaign				
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received funding from numerous private foundations Follow-up n=1,248 Race/ethnicity and average age not reported; urban Follow-up n=1,248 Follow-up n=1,248 Follow-up n=1,248 Follow-up n=1,248 Follow-up n=1,248 Follow-up n=1,248 Intervention intensity varied across cities; 2 had intensive efforts Intervention intensity varied across cities; 2 had intensive efforts Follow-up n=1,248 Intervention intensity varied across cities; 2 had intensive efforts Follow-up n=1,248 Intervention intensity varied across cities; 2 had intensive efforts Follow-up n=1,248 Follow-up	the			coverage and grassroots		Risk of bias: Moderate
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foundations reported; urban varied across cities; 2 had intensive efforts 3 cities, p<0.01; and 55% and 77%, respectively, in 2 cities with intensive campaigns, p<0.01). Exception was knowledge of the 72-hour limit. Pooled regression analysis found that paid advertising (vs. just PSA) resulted in larger increases in knowledge, except on one knowledge item (related to the 72 hour limit of effectiveness for EC) (e.g. AOR for interaction term for post-campaign and paid advertising was 1.86, p<0.01, for having ever heard of EC) Barriers Constraints were placed on the campaign's messaging and images to ensure they did not arouse a backlash,					1 1	
intensive efforts respectively, in 2 cities with intensive campaigns, p<0.01). Exception was knowledge of the 72-hour limit. Pooled regression analysis found that paid advertising (vs. just PSA) resulted in larger increases in knowledge, except on one knowledge item (related to the 72 hour limit of effectiveness for EC) (e.g. AOR for interaction term for post-campaign and paid advertising was 1.86, p<0.01, for having ever heard of EC) Barriers Constraints were placed on the campaign's messaging and images to ensure they did not arouse a backlash,		over time				
campaigns, p<0.01). Exception was knowledge of the 72-hour limit. Pooled regression analysis found that paid advertising (vs. just PSA) resulted in larger increases in knowledge, except on one knowledge item (related to the 72 hour limit of effectiveness for EC) (e.g. AOR for interaction term for post-campaign and paid advertising was 1.86, p<0.01, for having ever heard of EC) Barriers Constraints were placed on the campaign's messaging and images to ensure they did not arouse a backlash,	foundations		reported; urban			
knowledge of the 72-hour limit. Pooled regression analysis found that paid advertising (vs. just PSA) resulted in larger increases in knowledge, except on one knowledge item (related to the 72 hour limit of effectiveness for EC) (e.g. AOR for interaction term for post-campaign and paid advertising was 1.86, p<0.01, for having ever heard of EC) Barriers Constraints were placed on the campaign's messaging and images to ensure they did not arouse a backlash,				intensive efforts		
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Constraints were placed on the campaign's messaging and images to ensure they did not arouse a backlash,					Barriers	
campaign's messaging and images to ensure they did not arouse a backlash,						
ensure they did not arouse a backlash,						

			3		
Citation, funding	Study design	Population	Intervention	Results	Assessment of study
Zimmerman, 2007, U.S.	Time series cross-sectional	Random sample of sexually-active	Aim: To increase condom use	Facilitators Partnerships with local media, and with local clinicians and EC advocates helped promote accurate dissemination of information on EC during campaign through news media Exposure About 85% of the target audience	Strengths Study groups were
2007, C.S.	with comparison	university students aged 18-23 years who were registered at universities	10 TV PSAs promoting safer sex aired in one city	reported seeing at least one PSA Other psychosocial outcomes	comparable in terms of most demographics and sexual behaviors at
	1 intervention city and 1 control city	in two cities were screened by phone. Eligible participants	market over 3 months	Time series regression found that the campaign was associated with higher condom self-efficacy (assessed through	baseline Analyses adjusted for
	Data collected continuously on	later completed a self- administered survey at home or at a survey		5-item scale) and intentions to use condoms (1 item) among higher risk students in the intervention community,	confounding variables Weaknesses
	a monthly basis with	research center.		but the increases were not sustained after campaign	Possible response bias due to phone sampling
	independent random samples over 21-month period, covering	100 students recruited in each month in each community		Trend line for control city had no similar effects	Secular trends in condom use the two cities were different, pre-campaign
	8 months prior to campaign, 3 months during,	Urban N=4,032 (50% in each		No effects evident among low-risk students	Quality of study Level II-2
	and through 10 months after completion	city) 199,940 phone numbers		Facilitators Extensive formative research utilized to develop and test campaign messages	Risk of bias: Moderate
	- Compression	were called, 94% of those did not yield participants. 60% of those remaining completed the screener, and 82% of eligible		likely contributed to campaign success	

Citation,	Study design	Population	Intervention	Results	Assessment of study
funding					
		participants completed			
		the survey.			