PMID First Author	Title	Year Study 1		Country	Setting	Blinding Int Lengt	Duration	Main Study Objective	Total N Target Population	Eligibility Criteria	Patient Characteristics	Int. n at Baseline (n at Follow-up)	Int. Type		Control n at Baseline (n at Follow-up)	Specific Control	Outcomes Measured	Results/CI	Significance	Safety and Adven	e Additional findings	Summary	Main Reported Findings by Critical Question
1425546 Botvin GJ	Smoking prevention among urban minority youth, sasessing effects on outcome and mediating variables	1992 RCT	None Q13 (RF10)	USA	Community (schools)	None/NR NR		Test the effectiveness of a social resistance/competence enhancement approach to smoking prevention among precionitiantly hispanic 7th graders in New York City	schools) Young Adults	in grade mer city schools in New York	Mean Age: 12 yr 10 mo Males: 49% Black: 18,7% White: 14,2% Hispanic: 55,6% Other race/ethnicity: 11,6% Schools with students from armilies with average incom at or below 150% of the federal poverty level: 33% (; schools) Parental education (college) Father: 17,0% Mother: 15,8% 2-parent family: 57,9% Language use mostly Englis With parents: 14,5% With friends: 80,5%	39	Behavioral	Am 1: 15-session smoking prevention 1 program (NT) 2  5 major components: a cognitive component signary of the component disaggined to provide information concerning the short-term consequences of smoking, prevalence rates, the current social acceptability of smoking, and the addictive nature of smoking, a decision-making a component to depend to facilitate decision making; a component to develop skills for coping effectively with anxiety; a component to develop skills for coping effectively with anxiety, a self-directed behavior change component designed to facilitate self-invocument and a sense of personal control.	,359 (NR)	Control Arm: No prevention program (CON)	Primary: Mean proportion of students reporting digarette smoking during the past mo [% (SD)] Smoking onset rate (%) Secondary: Mean smoking prevalence knowledge score (SD) Mean smoking prevalence knowledge score (SD) Mean social acceptability knowledge score (SD) Mean social acceptability knowledge score (SD) Mean anti-smoking attitudes score (SD) Mean normative expectations (peers)(SD) Mean normative expectations (adults)(SD)	CON: 5.03(4.44) to 7.15(3.57)  Data not given but analysis showed significantly fewer new smokers in INT vs CON.  Secondary: INT: 0.86(0.20) vs CON:0.57(0.19)  INT: 4.32(0.48) vs CON:3.94(0.38)	S S** S** NS S** S**	None	No long term results available.	significantly reduced	G13. Ascial resistance/ competence enhancement intervention in 7th grades a synthicatily reduced smoking and increased knowledge at 4 month FU.
	Do smoking prevention programs really work? Attrition and the internal and external validity of an evaluation of a refusal skills training program	1987 RCT	None Q10,Q13 (RF-	USA	Community (schools)	None/NR Approx. 2. wk	.5 1 yr		1,730 Pediatric/ St Young Adults of archools 6 middle schools	tudents taking health or scienc asses designed for 7th, 9th, nd 10th grade	be Boys: 880 Th graders: 873 9th graders: 538 10th graders: 262 Students in other grades or did not report grade: 57 Predominately White	NR (NR)	Behavioral	Arm 1: Smoking prevention program N Included 3 educational sessions that emphasized refusal skills training and included a brief review of the long and short-term health consequences of smoking and solicitation of a public commitment not to smoke, a follow-up booster session was given 2 wk later Refusal skills training component consisted of role-playing and excerpts from a film entitled "Resisting Pressure to Smoke," which depicted effective	iR (NR)	Control Arm: No intervention	Primary: Proportion of subjects in each smoking category(%) Smoking index  Secondary: Mean expired air carbon monoxide levels	Primary: No significant difference for any group.  6m: No intervention effect; males reported smoking less than females.  1y: Decreased in regular smokers; males reported smoking less than females  Secondary: CO levels higher among CON vs INT in 9th grade subjects	NS NS for INT: S between sexes S for regular smokers; S between sexes	None	High attrition rate in both groups with more high- rate smokers dropping out of freatment.  Drop-outs were also more likely to be from high risk smoking situations.	based on emphasizing refusal skills showed reduced smoking rates in those who were regular	Q10,13. A 1987 school-based study based on emphasizing refusal skills showed reduced smoking rates in those who were regular smokers at baseline with no effect in any other group.
7673547 Dent CW	Two-year behavior outcomes of Project Towards No Tobacco Use	1995 RGT	None Q11 (RF10) Q13 (RF10)	USA	Community (schools)	None/NR 1 yr		Establish whether the preventive effects of Project Towards No school based intervention to prevent addressed and school based intervention to prevent addressed true of tobacco, endured after students made their transition from junior high to high school	6,716 (48 Pediatric/ schools) Young adults 7	th grade	Males: 50% White: 60% Hispanic: 27% Black: 7% Asian or other ethnicity: 6%	NR (NR)	Behavioral	refusals Arm 1: Normative social influence NArm 1: Normative social influence Narm 1: Normative social influence Narm 1: Normative social influence (yielding to peer pressure to achieve acceptance; e.g., refusal assertion skills training) Arm 2: Informational social influence curriculum of Project TNT  Consisted of activities that counteract informational social influence (social integer especial influence) in the project informational social influence (social integer insperceptions of tobacco; e.g., respectively).	ir (NR)	Control Arm: Usual care	Primary: Change in prevalence of trial cigarette use [%] Change in prevalence of weekly cigarette use [%] Change in prevalence of trial smokeless tobaccuse [%] Change in prevalence of trial smokeless tobaccuse [%] Change in prevalence of weekly smokeless tobaccouse [%] Secondary: Prevalence of cigarette use in urban vs rural schools [%]	Primary: Cernbined: 16%, Arm 1: 15%, Arm 2: 17%, Arm 3: 13%; CON: 23%  Combined: 4%, Arm 1: 12%, Arm 2: 9%, Arm 3: 8%; CON: 5%  Combined: 7%, Arm 1: 4%, Arm 2: 4%, Arm 3: 0%; CON: 7%  Combined: -0, Arm 1: 2%, Arm 2: 2%, Arm 3: -1%; CON: 7%  Secondary: 52% vs 60%	NS between subgroups;  S for Arm 3 vs all other groups; NS for Combin INT and CON.		students used smokeles tobacco.  Weekly smoking overall was 14% at ninth grade. Change in prevalence of trial of cigarettes between 7th & 9th grades was 17%. Change in prevalence of weekly cigarette smoking.	program in junior high students showed that a physical consequences curriculum was successful a attenuating smokeless tobacco use and that a comprehensive program with all 3 approaches was necessary to significantly decrease both smoking and smokeless tobacco use at 2 yr F/U in high school.	smoking and smokeless tobacco use at 2 yr F/U in high school.
7673547 Dent CW	Two-year behavior outcomes of Project Towards No Tobacco Use	1995												Am 3: Physical consequences curriculum of Project TNT Curriculum counteracted the misperceptions regarding physical consequences of tobacco use Am 4: Combined curriculum of Project TNT Curriculum combining informational science influence, normative social influence, and plysical consequences elements of Project TNT All curricula were delivered to 7th grade students and a "booster session", with contents tied to the original curriculum, was delivered to the 6th grade cohort.									
9003134 Hovell MF	An adolescent tobacco-use prevention trial in orthodontic offices	1996 RCT	None Q13 (RF10)	USA	Clinical	None/NR NR	2 yr	orthodontist-delivered tobacco-use prevention program for adolescents	(154 Young adults	I-18 yr	Mean age (SD): 14.4 yr (1.8 Males: 46% Caucasian: 73% Hispanic: 12% Black: 3% Asian: 9% Unreported race/ethnicity: 3 A parent graduated from college: 70%	77 offices (NR)	Behavioral	Arm 1: Clinician delivered tobacco use N prevenition trial (INT)  Offices received 1.5 hours of lobacco revenition trial passed on National Cancer Institute tobacco essational workshops for Clinicians  Instructions for anti-tobacco counseling and delivery of anti-tobacco prescriptions* were provided Clinicians and staff were to write the prescription to the patient, briefly discuss the tobacco related topic printed on the prescription, and request that the patient not start smoking	IR (7,626) 7 offices (NR)	Control Arm: Usual care (CON)	Primary: 3.0-4 tobaccouse 2 y incidence rates [{%}] Lifetime use of tobacco > 100 times [%n] Secondary: 3.0-4 tobaccouse by demographic and behavioral characteristics [n (%)] 3.0-4 tobaccouse incidence associated with number of anti-tobacco prescriptions received [%n]	Primary: INT: 12.0% vs CON: 12.6%; OR=0.94(0.82,1.08) INT: 6.8% vs CON: 7.6%  Secondary: Blacks and Asians had significantly lower initiation rate than whites; females had a lower initiation rate than males' and tobacco use increased with age but intervention effects did not vary between groups.  Pts whor oxeolwe the lowest 4 of operacipions – 1.33 vs pts who had received the highest # of prescriptions = 10.0%	%	None	trends were in the right direction; effort by	adolescents based in orthodontists' offices showed no difference in tobacco use between experimental and control groups. With MVA, there was a significant dose	G13. A smoking prevention trial in adolescent based in orthodonistic offices showed no difference in tobacco use between experimental offices showed no difference in tobacco use between experimental offices of the difference in the control of the difference in the control of the difference in the di
	Targeting early anticocdents to severel to black cosmoling: findings from an epidemiologically based randomized field trial assets the cosmoling of the cosmoling to the cosmoling of the cosmoling to the c	1998 RCT	None Q10(RF10) Q13 (RF10)	USA	Community (schools)	None/NR 2 yr	are 14 yr	Examine whether interventions aimed at agrees wild since the class room behavior and poor academic achievement would reduce the incidence of initiation of smoking	schools) Young adults So	rban areas coiseconomic levels ranging moreyr poor to middle class st grade students	Age range: 6-7 yr Males: 808 Birth year: 1978: 145 1979: 741 1980: 718	Arm 1: NR (352) Arm 2: NR (348)		intervention The Good Bathavior Game a behavior management strategy designed to classroom the strategy designed to classroom behavior, was ted by the teacher during regular class periods. In the beginning games were played frequency and length in 1st and 2nd trayed the strategy and tength in 1st and 2nd target behaviors, inachers assigned all students to 1 of 3 teams, balancing sex and levels of aggressive behavior. Teams were rewarded when no member enhabits undesirable behaviors such as fighting, shouting and teasing	IR (904)	Control Arm. Customary school programs	Primary: Initiation of tobacco smoking through 14 yr of age [RR (95% CI)]	Arm 1: -45% vs CON'-60% Cohort 1 8 2: Males: RR-0.62Clr.0.40,0.97) Fernales: 0.9Clr.0.57,1.42) Arm 2: -50%; vs CON'-60% Cohort 2: Males: RR-0.46(Clr.0.24,0.87) Fernales: 0.9Clr.0.57,0.87) Gonort 2: Males: RR-0.46(Clr.0.24,0.87) Fernales: No difference between cohorts results not given) Cohort results not given)	S NS S NS	None	had not tried smoking at B/L, 502 had tried smoking by 14 y of age.	behavior management or enriched reading in 1st and 2nd grade students significantly reduced smoking initiation in boys	10.13.A preventive trial based on behavior management or enriched reading in 1st and 2nd grade students significantly reduced smoking initiation in boys assessed by interview at 1 4 yrs of age. There was no measurable effect on girts.
9772850 Kellam SG	Targeting early antecedents to prevent tobacco smoking: findings from an epidemologically based randomized field trial	1998 RCT												Arm 2: "Mastery Learning"  The Mastery Learning curriculum was directed at raising reading achievement scores. Key elements were high expectations, small instructional units, use of formative testing, and individualized corrective methods. Students did not proceed to the next unit unit 180% had achieved 80% to 65% of the learning objectives (instead of the usual 50%).									

## NHLBI Evidence Table: RF10-RCT

PMID Fir	st Author Title	Year Study Type CVD	RF by CQ	Country Setting	Blinding Int Leng	ngth Total Study Duration	Main Study Objective	Total N	Target Population	Eligibility Criteria	Patient Characteristics	Int. n at Baseline (n at Follow-up)	Int. Type	Specific Intervention	Control n at Baseline (n at Follow-up)	Specific Control	Outcomes Measured	Results/CI	Significance	Safety and Adverse Events	Additional findings	Summary	Main Reported Findings by Critical Question
10181020 Joe	endal O Effects of a school-based smoking prevention program among subgroups of adolescents	1998 RCT None	Q13 (RF10)	Norway Community (schools)	None/NR 6 mo	inte	udy the effects of a school-bas vervention aimed at preventing locking among pupils in rwegian secondary schools	g schools) F	amily/	rm in 1981 o grade students	Males: 50.8%	Arm 1: 1,126 Beh. (1,060) Arm 2: 946 (791) Arm 3: 989 (878)		Arm 1: Classroom snoking prevention program + parent involvement + teacher training Arm 2: Classroom snoking prevention program + parent involvement Arm 3: Classroom snoking prevention program + teacher training In the classroom snoking prevention program + teacher training In the classroom program, students were involved in 6 sessions were involved in 6 sessions than themes of the classroom snoking prevention were personal freedom, freedom to hoose, freedom from addiction, to make own decisions, training social skills to resist smoking pressure and short-term	1,088 (1,091)	Control Arm: No intervention	Primary: Prevalence of non-smokers (%) Secondary: Subgroup analyses: Prevalence of non-smokers (%)	Primary:  (CN): BLI-S 28% to 84.5% MaxINT BLI: 93.2% to 91.3% No teacher INT BLI: 91.8% to 87.4% No parent INT-BLI: 93.8% to 83.5% No parent INT-BLI: 93.8% to 83.5% Secondary: Subgroup analyses: CON vs Max INT-Among low sensation seekers, thore with low outcome expectancies in parental smokin there was no difference between groups. CON vs Max INT-For high ensation seekers, those with high outcome expectancies for smoking & those with high outcome expectancies for smoking a fine smoking prevalence was significantly lower in the MaxINT group.  With MVA using a sum score of the high risk attitudes there was a significant difference between the MaxIN & CON groups.	g. s; s*; s	None	Short follow-up and modest differences between groups.	prevention intervention that combined teacher courses, classroom programs and parental involvement was successful in decreasing the proportion of adolescents who began smoking over a	Q13. Aschool-based smoking prevention intervention that combined teacher course, cleasured to the combined teacher course, cleasured programs and parental involvement was successful in addiseasured to began smoking over a 6 month period. The program was most successful in students defined as high risk to begin smoking.
10181020 Jos	Effects of a school-based sonotion prevention program among subgroups of addlescents	1998												Teacher training consisted of a 2 d course where main elements of the program, its goals and methods were presented. Teachers filled in a questionnaire immediately after each teach of the control of the country of the control of the country of th									
10482213 Will	iams GC Peeenting the facts about showing the facts about showing the fact of	1999 RGT None	Q13 (RF10)	USA Community (schools)	NoneiNR 2 d	her exx add aut rele sm	is the self-determination mode distribution and the self-determination to waith related behavior by amining the degree to which obsecutes experience an oncomy-supportive appeal as a testing the self-determination of the self-d	)	Pediatric 9- coung adults Su	12 grade students burban high schools	Males: Arm 1: 42 2% Arm 2: 43 9% Minority- Arm 1: 15 2% Arm 2: 15.3% Arm 2: 15.3% Arm 2: 4.4 (1.0) Arm 1: 4.4 (1.0)	Arm 1: NR (NR) Beh	Fe tt ve	Arm 1: "It's Your Choice" presentation Presentation contained a theme emphasizing the seductive nature of the tobacco industry's advertising and the addictive nature of nicotine, both of adolescents' choice to not smoke Arm 2: "Fear and Demand " presentation Presentation emphasized the theme of disease and death caused by smoking and was intended to illustrate graphically the grave consequences of smoking		N/A	Primary: Change in autonomous motivation to not smoke (\$) Change in smoking behavior (\$)	Primary: All results are presented as multiple regression analyses with no basic data reported. From the MRA (I) Neither intervention significantly increased autonomous motivation for not smoking, either 1 we or 4 months after the presentation of intervention significantly increased change in smoking behavior change in smoking behavior (a) Perception of autonomy support did predict a reduction in smoking. (4) Increased autonomous motivation for not smoking, when present, did predict a reduction in smoking at week and 4 months.	k NS to NS between interventions S	None	None	for adolescents compared an autonomy supportive message to a fear-based message. Neither intervention changed autonomous motivation for not smoking or was differentially related to	
11121460 Pet Jr.	erson AV, Hutchisono Smoking Prevention Projects to tion-dem randomized trial in school-based tobacco use prevention—results on smoking	2000 RGT None	Q6 (RF2, RF10) Q11 (RF10) Q13 (RF10)	USA Community (schools)	NoneiNR 10 yr	The Pre the inte	Itermine he long-lerm impact of the Hutchinson Smoking vention Project, a long-term, topological similar beautiful program for smoking envention program for smoking vention among school age ye	school districts)	3rd September 2 Se	d grade students	Single parent household: Arm 1: 23% Control Arm: 22.3%	4,177 (3,919) Beh		Arm 1: Hutchinson Smoking Prevention Project (HSPP) intervention The HSPP intervention is a teacher- led, grade 3-10 tobacco use prevention curriculum together with unti-specific teacher training. There in the HSPP curriculum together with unti-specific teacher training. There in the HSPP curriculum for all grade levels combined. The length of the classroom lessons varies with the lesson and the grade, ranging from 30 to 50 min. The curriculum is school components: 1) self-help tobacco use cessation materials and school components: 1) self-help tobacco use cessation materials 19-12 to think about quitting and 2) biannual westleters informing high school teachers about tobacco education resources and tobacco current events as well as about ways to incorporate these resources into various course subjects in high school		Control Arm: No intervention  No restrictions were placed on the health promotion or tobacco use prevention activities of the control school districts. It use enabling the school districts, I use enabling the schools to continue whatever health curricula were normally offered	Difference in average daily smoking prevalence at grade 12 + 2 y[%]	Boys: IN1: 26.65% vs CON: 26.32%	NS NS NS NS NS NS	None	smoking prevalence in	conducted from grades 3 to 12 achieved high implementation fidelity and 94% follow-up. Despite this there were no significant differences in smoking prevalence or any smoking behavior between students	013. Alteory-based social influences infervention conducted from grades 3 to 12 achieved high implementation ficielly and 04% follow-up. Despite this, there were no significant differences in arnoking period the provided of the control of the con
11436934 Sus	aman S Project EX: outcomes of a teen smoking cessation program	2001 RGT None	O10 (RF10)	USA Community (schools)	None/NR 6 wk	Pro sch ces inci act	aluate the effectiveness of oject EX, an 8-session team ono-based clinic tobacco use seasion program that involves seasion program that involves subsidior of enjoyable, motivating bridges to try to enhance quit ra ong youth	s the	Pediatric/ His	ad smoked in past 30 d	Patient characteristics for 1 and Arm 2 Mean age (SD): 16.8 yr (0 Male: 64% Latino: 47% White: 27% Asian: 8% African American: 6% Other race/ethnicity: 12%	Arm 2: 120 (NR) Beh	T	Arm 1: Project EX clinic  The clinic consisted of 8 sessions. In the first 4 sessions students are not saked or required to quit immediately, asked or required to quit immediately, the saked or required to quit hardware the saked or required and the saked or required and 6. The second 4 sessions are focused on maintenance of their quit attempt  Arm 2: Project EX clinic + school as community (SAC)  The clinic consisted of 8 sessions. In the first 4 sessions students are not saked or required to quit immediately, but rather are prepared to strengthen their attempt to quit between sessions focused on maintenance of their quit attempt	76 (44)	Control Arm: Standard tobacco education Standard tobacco education was provided in regular health education class curricula	Primary: Smoking cessation per protocol [OR] Smoking cessation for ITT [OR] Smoking cessation for ITT+LTF [OR] Smoking cessation for ITT+LTF+CO agreement [OR] Secondary: Smoking cessation for students not addicted [OR] Smoking cessation for students with moderate addiction level [OR] Smoking cessation for students with heavy addiction level [OR]	Primary: INT: 30% vs CON: 16% OR=2.21 INT:30% vs CON: 16% OR=2.27 INT:30% vs CON: 16% OR=2.37 INT: 17% vs CON: 8% OR=2.36 Secondary: INT: 42% vs CON: 16% OR=3.80 INT: 13% vs CON: 8% OR=2.86 INT: 15% vs CON: 8% OR=3.80 INT: 15% vs CON: 8% OR=3.80 INT: 15% vs CON: 8% OR=2.86 INT: 15% vs CON: 3% OR=1.96		None.	but individual students volunteered to participat in the intervention and controls were students who did not volunteer.	session intervention showed a significant difference in	smokers who volunteered for a cessation clinic, an 8 session intervention showed a significant difference in smoking rates at 3 m F/U by self report alone, compared with smokers who did not
11436934 Sus	sman S Project EX: outcomes of a teen smoking cessation program	2001											s f	SAC component consisted of students with teacher supervision, organizing service, recreational, and job training service, recreational, and job training tunctions and, through a project newsletter, permitting expression of antitobacco use attitudes at school									

PMID First Author	Title Year	Study Type CVD	RF by CQ	Country Setting Blinding	Int Length Total Study Duration	Main Study Objective	Total N Target Eligibility Criteria	Patient Characteristics	Int. n at Baseline (n at Follow-up) Int. Type	Specific Intervention	Control n at Baseline (n at	Specific Control	Outcomes Measured	Results/CI	Significance	Safety and Adverse Events Additional findings	Summary	Main Reported Findings by Critical Question
	Do adolescent smokers experience withdrawal effects when deprived of nicotine?	RCT None	Q10 (RF10)	USA Clinical Double	Shr 2d	Exemine the obsert to which andersoons moved manifest signs and symptoms of nicotine withdrawaw when deprived of nicotine and whether brief treatment with nicotine registerement therapy could alleviate symptoms	105 Pediatric' 13-18 yr Young Adults Smoke ≥ 10 cigarettes/d t Expired-air carbon mono: level ≥ 5 ppm	Mean age (SD): Am 1: 17.3 yr (1.3) Control Am: 16.8 yr (1.2) ide Boys: 51 Patient characteristics perts to 92 patients included in follow-up analysis	c	ogi Arm I: Nicotine patch 15 mg/16 hr (NP) Participants not permitted to use any tobacco products (or alcohol or illicit drugs) and were required to wear 15 mg nicotine patch for 8 hr	Followup) NR (46)		Primary: Mean HR [bpm (SD)]  Mean SBP [mmHg (SD)]  Mean DBP [mmHg (SD)]  Mean craving [1-10 scale of symptom severity (SD)]  Secondary: Mean CO levels [ppm (SD)]	Primary: Pice: Bit 86.51 to 80.41 INP: Bit 86.82 to 84.42 Pice: Bit 117.70 to 115.78 INP: Bit 117.70 to 115.78 INP: Bit 114.39 to 118.47 Pice: Bit 16.54 to 80.44 INP: Bit 80.98 to 42.8 Pice: NP: Bit 4.44 to 6.37 INP: Bit 80.98 to 42.8 Pice: Bit 4.44 to 6.37 INP: Bit 8.03 to 6.20 Pice: NP: 6.37 vs 8.20 Secondary: CON: Bit 1.57 vs Pice: 3.5 INT: Bit 1.55 vs NP: 3.3 Pice vs NP: 3.5 vs 3.3 Pice vs NP: 3.5 vs 3.3  *Multiple additional measures of potential withdraw showed no difference between the NP and place groups.	S** NS S NS S S S NS S S S S S S S S NS S S S S S S S S S S S S S S S S S S S	Itching with active patch	withdrawal with a nicotine patch to a placebo patch showed that the placebo patch was associated with lower HR but no decrease in	Q10. A comparison of incotors withdrawing with a recipient point to a place by patch showed that the placebo patch was associated with lower Hist Dut no decrease in SBP or DBP. Psychological symptoms of withdrawal were similar between groups.
	Curtaling totacco use among 2002 youth evaluation of project 4-health	RCT None	Q10,13 (RF10)	USA Community None/NR (other)	R 5 mo 2 yr 5 mo	Report the development and evaluation of Project 4-Health, a theory-driven, research-based program to prevent tobacco use among youth enroted in 4-H clubs throughout California	1,967 Pediatric/ Young Adults Enrolled in a California 4b	Boys: 42.5% White non-Hispanic: 89.4% Latino: 6.5% Asian/Pacific Islander: 1.1% Native American: 0.6% African American: 0.3% Missing race/ethnicity: 2.1%	990 (938) Behaviora	Am 1: Project 4-Health smoking intervention.  The program aimed to enable youth to develop personal policies about to those oue and to participate to tobacco use and to participate to tobacco policies and programs sound tobacco policies and programs within the home, the 4-H club, the school, and the community through a consol of of sepreimond-based sessions conducted during monthly club meetings.	977 (915)		knowledge, 6 to attitudes, 6 to social influence 2 to behavioral intentions and 6 to tobacco use	Primary:  On At 4 mos after program delibvery, 7 measures of to At 4 mos after program delibvery, 7 measures of to At 4 mos after program delibvery and the to the three was no change in behavior. At 2 y F/LI, th were no differences in any outcome measure.	NS erre	None	adolescents addressing knowledge, attitudes and behavior about smokeless tobacco and cigarette	Q10.13. A community intervention for addressing addressing knowledge, attitudes and behavior about smokeless behavior about smokeless behavior about smokeless behavior and oggarette smoking had no dispertite smoking had not of the smokeless o
12612363 Jackson C	Can parents who smoke socialise their children against smoking? Results from the Smoke-free Kids intervention trial  Can parents who smoke socialise their children against smoking?	RCT None	011 (RF10) 013 (RF10)	USA Home Single	10 wk 2 yr	Evaluate Smoke-free Kids, a new home based program to assist parents who smoke in socializing their children against smoking	Family/ child enrolled in 3rd gradi Caregiver 7-8)  Parents or guardians who reported current smoking	White parents: 78%  African American parents:	ут	Arm 1: Smoke-Free Kids intervention Participants received 1 module every 2 wk for a total of 5 modules. The modules gradually increased parents' skills and confort level in skills and confort level in about their personal smoking history, addiction and expectations regarding abstimence. The intervention included a telephone call from a health educator, a tol-free number that parents were encouraged to use, parent newsletters, and newsletters for children.	446 (344)	Parents received 1 fact sheet every 2 wk. The fact sheets provided knowledge about youth smoking and focused parents attention on macro-level variables relevant to youth smoking but not targeted by the	Primary: Effectivenese evaluation: Chila dirbutes that reduce susceptibility to smoking/%,OR(95%C)); -Believes parent likes to talk about smoking -Affirms having social contract with parent -Believes parent would delect smoking -Espects parent will reward abetience -Chila dirbutes that raise susceptibility (%,OR(95%C)); -Intends to smoke in adolescence -Has a best friend who has smoked	Primary:  INTE93.3% vs CON-41.6%/OR=1.52(1.10,2.10) INTE7.3% vs CON-82.5%/OR=1.30(9.82,1.83) INTE83.3% vs CON-82.5%/OR=1.85(1.06,82.25) INTE8.5% vs CON-20.2%/OR=1.55(1.06,2.25) INTE8.5% vs CON-16.1%/OR=0.60(0.37.0.95) INTE9.5% vs CON-30.8%/OR=0.73(0.52,1.03)	ST NS NS S S S NS(p=0.07)	of attributes that reduc	socialization program els designed specifically for e smoking parents of 3rd og grade children found that anti-smoking socialization	013. An anti-smoking socialization program designed specifically for smoking parents of 3rd grade children found that anti-smoking socialization by parents reduced children's succeptibility to smoking over a 2 yr period.
12663728 Tyc VL	Results from the Smoke-free Kids intervention trial  Intervention to reduce intentions to use tobacco among pediatric cancer survivors	RCT None	Q13 (RF 10)	USA Clinical None/NR	R NR 12 mo	Determine whether a risk counseling intervention would increase knowledge and perceived health risks and decrease future intertions to use tobacco among preadolescents and adolescents previously treated for cancer	103 Pediatric/ Young adults Previously treated for car	Parent employed part time: 20% Parent not employed for pa 18.5% Male: 53 White: 81 African-American: 22 High SES: 20.4% Middle SES: 67.0% Low SES: 12.6%	53 (42) Behaviora	Arm 1: Intensive late effect risk counseling 1 session. The intervention was administered in a single session with periodic reinforcement of tobacco goals by telephone. The content was designed to be relevant to both nonsmokers and smokers with the goal of tobacco abstitutence. Patents received in addition to an aducational video, goal setting, withen physicaline feedback, smoking literature, and follow-up telephone counseling.  The intervention was delivered using a sorpied propool that was taloned to the aplaients' individual responses to the questions posed during the intervention.	50 (39)	health risks associated with tobacco use, All tobacco users were advised to stop and nonsmokers were encouraged to continue to resist tobacco	Primary:  Mean score of patients' knowledge regarding adverse consequences associated with tobaccuse (SD)  Mean score of patients' perceptions of their perceived vulnerability to tobacco-related heal risks (SD)  Mean score of patients' intentions to use tobac (SD)  Mean score of patients' perceived positive effects that accompany tobacco use (SD)	INT: 32.8(4.0) 35.3(4.0) 35.9(4.6) CON: 31.6(4.6) 33.8(4.9) 32.5(5.7)	S from Bit.: S between groups at 12 m S from Bit. S from Bit.: S between groups at 12 m NS from Bit. S from Bit.: S between groups at 12 m NS from Bit. NS from Bit.: NS between groups at 12 m NS from Bit. NS from Bit.: NS between groups NS from Bit.	None Education of cancer survivors regarding tobaccous se importa si survivors regarding tobacco and 32 E% currently smoke.	intervention among nt adolescent childhood cancer ad survivors was effective in	increasing knowledge, perceived vulnerability and decreasing
	Prevention of empking in 2003 adolescents with lower education: a school based intervention study		Q13 (RF10)	Netherland (schools)  None/NR		Assess the effect of an antismoking intervention focusing on adolescents in lower education	schools) Young adults secondary schools	Mean age: 13 yr Male: Arm 1: 713 Control Arm: 677 Dutch: Arm 1: 1,252 Control Arm: 907 Non-Dutch: Arm 1: 150 control Arm: 154 Unknown ethnicity: Arm 1: 42 Control Arm: 57	1,444 (537) Sehaviora 14 schools (13 schools)	(INT) Participants received 3 lessons on knowledge, attitudes, and social influence, followed by class good to not influence, followed by class good to not have been as the control of th	12 schools (10 schools)	Control Arm: Standard program (CON)  Participants received the drug prevention program the school normally provided	Primary: Smoking initiation[OR (95% CI)]  Secondary: Smokes at least once a wk [%]  Smokes less than once a wk [%]  Experiments with smoking [%]  Has smoked but quit [%]  Has experimented with smoking, but does not smoke anymore [%]  Has never smoked [%]  Regular smoking (%)	Primary: OR=0 82 (0 43.0 90) at first follow-up: no difference 1 y FIU (INT:15% to 17% to 25% vs CON: 15% to 25% vs CON: 15% to 25% vs CON: 15% to  Secondary: BIL Sm INT 9.3 12.4 CON: 9.7 15.3 INT 6.1 6.4 CON: 5.6 6.6 INT 2.8 3.0 CON: 3.4 3.4 INT 2.8 3.0 CON: 3.4 3.4 INT 2.8 3.0 INT 2.8 3.0 INT 2.8 3.0 INT 3.8 1.0 INT 3.8 3.0 INT 2.8 3.0 INT 3.8 3.0 INT 3.8 3.0 INT 3.8 3.0 INT 3.8 3.0 INT 5.5 3.6 3.6 INT 5.5 3.6 3.6 INT 5.5 3.6 3.6 INT 5.5 3.8 3.6 INT 5.5 3.8 3.6 INT 5.5 3.8 3.6 INT 5.5 3.8 3.7 INT: BIL 15% to 17% at 5m 8.25% at 1y CON: BIL: 15% to 17% at 5m 8.25% at 1y	at S,NS  NS for all comparisons.  NS at B/L; S at 5m; NS at 1 y.	None None	reduced uptake smoking at short term F1/D but there was no difference at 1 yr.	intervention for young adolescents reduced uptake monking at short term F/U but there was no difference at 1 yr.
	A randomized trial of a family- based smoking prevention based smoking prevention intervention is managed care	RCT None	Q13 (RF10)	USA Home None/NR	R NR 20 mo	Evaluate a smoking prevention intervention package for prioritis intervention package for prioritis and children (aged 10-12) provided through their managed care organization	4,026 Parental/ Families with a depender depende	t child  Mean age of children: 11 yr  Male children: 48%  Full time or part time employment: Arm 1: 81% Control Arm 79%  Household income ≥ \$45,000 yr: Arm 1: 68% Control Arm: 68%  Control Arm: 10% Control Arm: 10% Control Arm: 10%	Regular follow- up: 1.75 (NR) Assessment cohort: 245 (NR)	Am 1: Family-based smoking prevention intervention Participants in regular follow-up and assessment cohort received a mailed packet that included materials for parents and child. 3 to 6 wk after, the parents received an outreach counseler. Fourteen mo after counseler. Fourteen mo after enrollment in the study, parent second cutreach call and we'd second outreach call and we'd second outreach call and we'd website.	Regular follow- up: 1,747 (NR) Assessment cohort: 259 (NR	Control: Usual care	Primary: Susceptibility to smoking [%] Experimentation with smoking [%] Smoked in past 30 d [%]	Primary: NT: 20.2% vs CON: 19.9% Adjusted OR=1.01 INT:13.5% vs CON: 12.1% Adjusted OR=1.13 INT: 2.4% vs CON: 2.3% Adjusted OR=1.06	NS NS	None Parent-child discussion about lobactor were significantly more frequent in the INT group.	designed and executed office-based plus mailed intervention in a managed care organization showed	C10.13. In young addecents, a well-asigned and avecuted office- based plus mailed intervention in a managed care organization showed no significant results in smoking prevention at 20 m F/U.

PMID First Author	Title	Year Study Type		Country	Setting	Blinding Int Length	Total Study Duration	Main Study Objective	Total N Target Population	Eligibility Criteria	Patient Characteristics	Int. n at Baseline (n at Follow-up)	Int. Type	Specific Intervention Base Fol	ntrol n at eline (n at llow-up)	Specific Control	Outcomes Measured	Results/CI	Significance	Safety and Adverse Events	Additional findings	Summary	Main Reported Findings by Critical Question
14854501 Schoffeld M.	Evaluation of a Health Promoting Schools program to reduce smoking in Australian secondary schools	2003 RCT	None Q10.13 (RF10)		Community N (schools)	None/NR 2 yr		Evaluate the effectiveness of a multicomponent Health Promoting Schools (HPS) intervention in myroving self-reported smoking outcomes among a cohort of adolescents	4,841 (24 Pediatric/ schools) Young adults	fr 7 and 8 students	Male: 45% Occupational status of fath Low: 61% Middle: 35% High: 7%	2.573 (NR) students ers: 12 schools (12 schools)	Behavioral	Arm 1: Health Promoting Schools intervention (III). Intervention schools were encouraged to adopt and own their Health Promoting Schools program and commit to implementing health promoting schools program and commit to implementing health promoting schools program and commit to implementing health promoting stringer to a direct health promoting acting to a direct health promotion actions for schools which targeted knowledge and skills, availability of products, environment, and role models	nts nools (10	Control Arm. No intervention (CON) Schools were not offered any of the resources or actions to reduce smoking, however, if they requested assistance, then the project team offered support for other health released sesses and promised smoking-specific support at the completion of the study period.	Primary: Smoking status in last week [%;OR(CI)]]  Secondary: Maximum knowledge score about smoking [%] Perceived positives of smoking Perceived negatives of smoking Smoked cigarettes in the last 7 d [OR (95% CI)]	No significant difference in any other measure.	NS between groups  S**  NS  NS  NS	None		for adolescents had no	n (2013.3 Aschool-based intervention for adolescents had no g significant effect on smoking behavior despite an increase in knowledge.
15301658 Killen JD	Randomized clinical trial of the efficacy of buppion combined with nicotine patch in the treatment of adolescent smokers	2004 RCT	None Q10 (RF10) Q11 (RF10)	USA C	C (Inical C	Ocuble 8 wk		Examine the efficacy of buryonion combined with riccinine patch in smoking reduction and reduction maintenance among adolescent smokers	i i i i i i i i i i i i i i i i i i i	Adolescents  Lurrently smoked at least 10  igarettes per d  -lad smoke for at least 6 mo  -lad made one or more falled  attempts to quit smoking  Score > 10 on a modified version  of the Fagerstrom Tolerance  Luestionnaire	Mean age (SD): Amm 1: 17.32 yr (0.73) Control Arm: 17.32 yr (0.8) Male: Arm 1: 69 Control Arm: 69 White: Arm 1: 69 Control Arm: 64 Control Arm: 54 Control Arm: 54 Control Arm: 54 Affican-American: Arm: 1: 36% Control Arm: 2.78% Hispanic/Latino: Arm: 1: 3.69% Control Arm: 11.59% Control Arm: 11.59% Control Arm: 11.94% Control Arm: 11.94% Control Arm: 1: 94% Control Arm: 1: 94%	0) 103 (64)	Pharmacolo <sub>1</sub> c	Arm 1: Bupropion + nicotine patch 108 (7  Participants received 150 mg/d of  bupropion sustained releases and a  nicotine patch. Participants who  smoked > 15 cigarettesid received a  21 mg patch during wis 1-4, 14 mg  wis 7-8. Participants who  smoked of 15 cigarettesid received a  14 mg patch for wis 1-6 and 7 mg  patch for wis 7-8 and 7 mg  patch groups for 45 min counseling session	0)	Control Arm: Nicotine patch + pilacebo pill and a nicotine patch. Participants received a placebo pill and a nicotine patch. Participants who smoked > 15 organitesid received a 21 mg patch during Wingpatch or with a patch of the wind patch for wi	Primary: % Abstinent at wks 10 & 26 [%] Secondary: Cigarette consumption/d [#]	Primary: Wk. (10: NP + Bup: 23% vs NP+Plac: 28% Wk. 26: NP + Bup: 8% vs NP+Plac: 7% Secondary: With a random regression model, average cigarette consumptioned decreased significantly over the consumptioned but no main or interaction effects were detected.	NS NS S* for all subjects - no difference between groups		There were no differences between groups for craving or depression on F/U.	bupropion to nicotine patch + placebo showed no difference between groups. With a random regression model, average cigarette	cigarette consumption/d decreased significantly over the treatment interval for all study participants with no intervention specific effects.
	Readonized clinical trial of the efficacy of burgonic nonhined with nicotine patch in the treatment of adolescent smokers										Pacific Islander/Filipino: Arm 1: 8.74%. Control Arm: 3.7% Asian: 8.80% Control Arm: 7.41% Multi-ethnicities: Arm 1: 21.38% Control Arm: 17.59% Control Arm: 17.59% Control Arm: 2.78%												
	Safety and efficacy of the nicotine patch and guin for the treatment of adolescent tobacco addiction	2005 RCT	None Q10.13(RF10)	USA C	Clinical C	Oouble 3 mo		Determine the safety and efficacy of the nicotine patch and gium for adolescents who want to quit moking	Young adults	3-17 yr.  Smoke ≥ 10 digarettes per d CPD) for ≥ 6 mo  Score ≥ 5 on the Fagerstrom est of Nicotine Dependence for Nicotine Dependence 10-point integer scale)  Szolusions: Justicians Just	Male: 30% White: 72.5%	Arm 2: 46 (19)	c	JAm 1: Nicotine replacement patch + placebo gum (GUM) Participants received an active 21-mg or 14-mg nicotine patch. Participants weighing < 100 lbs (45 kg) and smoking < 20 CPD at baseline received the 14-mg patch Arm 2: Nicotine replacement gum + placebo patch (PATCH) Participants were told to use the gum as needed, with the approximate goal or using 1 half their baseline reported or using 1 half where the selection of the gum as needed, with the approximate goal using 1 half their baseline reported gum. Participants were told to use the gum as needed, with the approximate goal used 2 mg gum and those smoking > 24 CPD used 4 mg gum. Participants in Arm 1 and Arm 2 attended at 45-min cognitive behavioral group therapy session at the end of each treatment visit		Control Arm: Placebo (CON) Participants received a placebo patch and placebo gum Participants attended a 45-min cognitive behavioral group herapy session at the end of each treatment veit	Protonged CO-confirmed abstinence [OR (85% CI)]  Self-reported change in cigarettes/d [%]  Secondary: Change in CO level [%]  Change in saliva thiocyanate level [%]	Primary: PATCH: 18% vs GUM: 6.5% vs CON: 2.5% PATCH: 17.7% vs GUM: 6.5% vs CON: 2.5%; PATCH: GR-6.84(0.80-20.1) GUM: GR-2.72(0.27.27.3) PATCH: -80.4(7.52); GUM: -85.1(6.13); CON: -80.6(4.38) Secondary: No change No change	PATCH vs CON: S; GUM vs CON: NS PATCH vs CON: S; GUM vs CON: NS P=0.055 NS S from B/L for all 3 groups; no difference by treatment grp. NS NS	No biological markety measurements. No major AEs reported.	the gum.	or intervention showed that the nicotine patch was significantly more effective than placebo in assisting dependent adolescent smokers receiving cognitive behavioral therapy to quit smoking. However, neither	O10.13. A smoking cessallon e infervention showed that the nicotine patch was significantly more effective than placebo in assisting dependent adolescent smokers receiving cognitive— behavioral therapy to quit smoker flowever, nether bomarker of the properties of the company of the trial. Nicotine gum was not be beneficial in smoking cessation.
15805374 Hollis JF	Teen reach: outcomes from a randomized, controlled trial of a tobacco reduction program for teens seen in primary medical care	2005 RCT	None 011 (RF10) 013 (RF10)	USA C	Clinical N	None/NR Arm 1: 35.5 min Control Arm:		Treat the long-term efficacy of brief counseling bus a computer-based obacco intervention for teens being seen for routine medical care	Pediatric/ 1 Young adults	14-17 yr	14 yr. 674 15 yr. 650 16 yr. 637 17 yr. 565 Male: 1,028 Black: 118 Asian/Pacific Islander: 93 Hispanic/Latino: 118 Native American/Alaskan Native: 53 White: 1,962 Other: 164	1254 (1074)	Behavioral	Am 1: Teen Reach intervention(NT) 1272 ( Intervention consisted of a 30-80 sec message from primary care clinicians to encourage teens to quist moking or not to start, a 10-27-mis session using 10-27-mis session 10-27-mis	1143)	Health counselors provided 3-5 min of motivational counseling to promote increased consumption of fruits and vegetables	Primary: Smoke-free at 1 & 2 y F/U [%(OR, 95% CI)  Secondary: Nonsmokers at baseline who remained smoke-free [OR (95% CI)]  Experimenters at baseline who were smoke-free [OR (95% CI)]  Smokers at baseline who were smoke-free [OR (95% CI)]	OR: 1.37(1.01-1.85) Y2: INT.8.68; W5 CON: 83.1% OR: 1.25 (0.97-1.61) Y1: INT.46.4% vs CON: 50.0% OR: 0.80(0.40-1.60) Y2: INT.49.7% vs CON: 48.7% OR: 0.95 (0.97-1.61)	S S NS NS NS S S		statistically more significant among non-whites [OR:4.10(1.01,16.71)] High attrition rate (33%) Results are all self-reported with no biologic measure of smoking	s intervention based on brief provider counseling plus a computer-based program in teens in primary care practice achieved significantly higher self- reported smoking abstinence rates after 1 and	O101.13.3 A smoking cessation intervention based on brief provider counseling plus a computer-based program in teens in primary care practice achieved smoking plus and provider provider and provider a
15847627 Hamilton G	A school-based harm minimization smoking interventior trial: outcome results	2005 RCT	None Q10.13 (RF10)	Australia (4	Community (schools)	None/NR 2 yr		Determine the impact of a school- based harm initimization smoking intervention compared to traditional abstinence-based approaches	schools) Young adults	ith grade students	Mean age: 13.6 yr Male: 2,167	2035 (NR) 14 schools (14 schools)	Behavioral	Arm 1: The Smoking Cessation for 7,001 Project (NIT) Intervention schools were provided with classroom, school nurse and parental harm minimization intervention materials and training in accordance with the Health Promoting coordance with the Health Promoting of a total of 8 1-bit interactive activities, brief counseling strategies based on motivational interviewing by school nurses, and school policy development to address smoking as a health ssue	nools (16 ls)	Control Arm. Slandard "usual" intervention (CON)  Participants received standard "usual" intervention available to all Western Australian schools that included abstirence-based, smoking education program provided by the government. Activities included 7-1-th activities addressing ciparete smoking based on social influences approach	Primary: Regular smoking [%: OR(CI)]] Smoking in the previous 30 d [%:OR(CI)]]	Primary: INT: 3.0% to 5.0% vs CON: 4.4% to 10.9% OR=0.51 (0.36.0.71) INT: 20.4% to 13.9% vs CON: 25.3% to 21.2%. OR=0.69 (0.53.0.91)	s		dose-response relationship with student who received more of th harm minimization intervention less likely to smoke regularly.	was effective at assessmen immediately after completion of the program i decreasing self-reported regular smoking and	immediately after completion of the in program in decreasing self- reported regular smoking and smoking in the last 30 days. There were no biologic measure of smoking status.
15893085 Colby SM	Sizef motivational intervention for addressors smokers in medical settings	2005 RCT	None Q10 (RF10)	USA C	Clinical S	NR NR		Evaluate the efficacy of using a prior movisational intervention to orient movisational intervention to reduce smoking among adolescent patients treated in a hospital outpatient clinic or Emergency Department	Young adults F	12-19 yr Reported daily smoking for the	Mean age (SD): 16.3 yr (1. Male: 25 White: 55% Hispanic: 22% Black/African American: 12		Behavioral	Arm 1: Motivational Interviewing (MI) (NRT) (NRT		Control: Brief advice (CON)  The brief advice condition included interventionists stating to the participants hat "cultum smoking is the most important thing you can do to proted you crored and future to proted your corner and future smoking as soon as possible" and being provided a pamphiet and list of local treatment referrals. One with after their intervention, participants received a call to remind them of their 1-mo interview	Mean cigarettes per d [# (SD)]  Biochemically confirmed 7-d abstinence [% (Chi square)]	Primary:  INT CON  1m 5% 0%  5% 0%  6m 23% 3%  Both groups decreased from BL from 9.9(8.8) to 7.9(5.9) at 1m, 7.1(5.1) at 3m and 6.1(4.3) at 6 m.  1m 2% 0%  3m 5% 0%  6m 9% 2%  For both groups combined, cotivine decreased from 916, 22% (18.8) to 215.7(17.4.9) at 1m and 185.2(155.7) at 6m.  3m INT-243.9(25.3) to 179.8(15.2.7)  CON 209(148) to 221.3(140.6)	Primary:  NS NS S** at each time period  NS		pre- to post intervention showed a trend for a	than brief advice in achieving smoking cessatio but differences between	Q10.13. In older adolescent smokers, an involvedinari intervention works better than brief advice in achieving smoking on cessation but differences between groups with self-exporting were not confirmed biochemically. However, contine fevels were down in both agps at 6 m FrU.

PMID First Author Title Year Study Type CVE	RF by CQ Country Setting Blinding Int Lengt	th Total Study Main Study Objective Total N Target Population		at Followurp) Int. Type Specific Intervention Ba	Control n at specific Control Follow-up)	Outcomes Measured	Results/CI	Significance	Safety and Adverse Events	Additional findings Summary	Main Reported Findings by Critical Question
15925127 Huang M Stages of smoking acquisition 2005 RCT None versus susceptibility as periodiciss of smoking initiation in adolescents in primary care	Q13 (RF10) USA Clinical None/NR 16 min	2 yr Evaluate whether susceptibility, the 1,355 speciaric/ yr speciaric/	14 yr. 607 ers 15 yr. 524 16 yr. 443 routine medical care 17 yr. 381	(NR) Behavioral Arm 1: Tobacco Intervention 994  Participants received brief physician advice to not smoke (< 1 min), 10-min program that delivered tobacco interventions individually lationed to teen's stage of smoking initiation/cossation, and a 5-min session with a health counselor. Two booster computer and counseling sessions were ofered during the 11-min after the visit.	saw a health courselor for 5-min motivational interview focused on nutrition	Susceptibility as a predictor of smoking according to integrated measure model [OR (95% CI)] according to integrated measure model [OR (95% CI)] susceptibility as a predictor of smoking according to susceptibility and stages of acquisition model [OR (95% CI)].  Contemplative stage as a predictor of smoking according to stages of acquisition model [OR (95% CI)].  Contemplative stage as a predictor of smoking according to susceptibility and stages of acquisition model [OR (95% CI)].  Preparation stage as a predictor of smoking according to stages of acquisition model [OR (95% CI)].	Primary: OR=3.27(2.46.4.36) OR=2.16(1.56.3.00) OR=4.88(3.03.7.85) OR=3.13(1.88,5.22) OR=7.78(4.46.13.58) OR=4.86(2.69.8.76)		cc cu ui in in in m m p p p a	ombined a brief office characteristics associated with smoking initiation identifies susceptibility and	behavior acquisition as significant predictors. This is important information for design of
15925127 Huang M Stages of smoking acquisition 2005 RCT versus susceptibility specificars of smoking initiation in adolescents in primary care						smoking according to integrated measure model (OR (95% CI)) Preparation measure as a predictor of smoking according to integrated measure model [OR (95% CI)] Integrated measure model predicting smoking for: Precontemplative and susceptible [OR (95% CI)] Contemplative [OR (95% CI)] Preparation [OR (95% CI)]		S S S S S S NS			
16389212 Jackson C Enabling parents who smoke to provent their children from mistating smoking: a 3 year intervention evaluation.	Q13(RF10) USA Home None 3y	based anti-smoking socialization program on the initiation of smoking among children whose parents smoke	rguardians who had a led in 3rd grade (ages withle parents: 78% and the parents with sight school degree or equivalent: 28% and the parents with bachelor degree or higher: 18%	Behavioral Arm 1:Smoke Free Kids 405  Participants received 1 module every 2 with for a total of 5 modules. The modules gradually increased parents' skills and control fevel in communicating with their children communicating with their children yeard of the communication of the com	Control Arm: Fact based program  Parents received 1 fact sheet every 2 wk. The fact sheets provided Knowledge about youth smoking and focused parents' attention on macro-level variables relevant to youth smoking out not larged by different versions of the program of the progr	Primary: Initiation of smoking (%, adjusted CR(96%CI))	Primary: Nn: 12% vs CON: 19% Adjusted OR: 2.16(1.39,3.37)	5**	si st w 1: bi tri ct	moking status of the support and behavior change program significantly reduced the likelihood that	O 13. A parental education, support and behavior change groupram significantly reduced the likelihood that children of parents who smoke would initiate smoking by the 6th grade.
16616449 Patten CA Randomized clinical trial of an intervention for adolescent experience of the control of the	Q10 (RF10) USA Mult settings None 4-24 wt. (depending on treatment of the sign	g office-based smoking cessation Young Adults Intervention and a home-based, Intervention and a home-based, Intervention intervention (last 30 cessation intervention)	Caucasian: 88% ettes as primary	1: 69 (42%) Behavioral Arm 1: Clinic-based smoking cossation intervention (BOI) 4: weekly, individual motivational interviewing sessions intended to enhance self-efficacy or expectations for success First session was 30-40 min in duration and each of the remaining 3 sessions were 10-20 min each in duration  Weekly, homework assignments and support towards establishing a personal stop date and self-rewards Arm 2: Home-based, Internet-delivered smoking cessation intervention (SOS) Given access to the Stomp Out Smokes (SOS) program and the Internet for 24 wk without significant in-person contact with research staff Site content included information on		Primary: Mean smoking abstinence rate[% (95% C1)] Secondary: Mean reduction in # of cigarettes smoked/d [% (SD)] Mean reduction in number of smoking days [% (SD)]	SOS - 33.8+/-46.6	NS NS NS	re	cessation with abstinence rates slightly higher among participants receiving the	delivered smoking cessation intervention was ineffective for adolescent smoking cessation with abstinence rates slightly higher among participants receiving an
16616449 Patten CA Randomized dinicial trial of an (2006 Intermet-based versus brief office intervention for adolescent smoking cessation				Site contrent included information on benefits of quitting, detains with production of quitting, detains with relationships and with feelings, and enisiting social support and information on the tobacco industry Students had to access interactive elements including confidential e-mail responses provided by an expert within 24 h							
1682858 Pbert L A school nurse-delivered a 2006 RCT None- adolescent smoking cessation intervention: a randomized controlled trial	Q10 (RF10) USA Community None 1 mo (schools)	nurse-delivered smoking cessation intervention to improve abstinence rates among adolescents interested in quitting years and the control of	Its in participating high hor hor perported using producing cigarettes, less and smokeless nat least 1 d in the and were interested in the next 2 wk.  Malie: Arm 1: 39% Control Arm: 26% White Arm 1: 39% Control Arm: 26% White Arm 1: 39% Control Arm: 26% Control	program	schools (NR)	Students smoking ≤ 10 cigarettes/d [% (95% CI)]	CON 63% 58% 6 wks: OR=2.6(Cl:1.9,3.6) 3 m: OR=3.5(Cl:2.5,5.1)	S** at 6 wks & 3 mos.  S** at 6 wks & 3 mos.  S** at 6 wks & 3 mos.	None reported	report wanting to quit within 2 wks, a school nurse- delivered 4 session cessation intervention was	compromised by self-reported

## NHLBI Evidence Table: RF10-RCT

	PMID First Author	Title	Year	Study Type	CVD	RF by CQ	Country	Setting Bi	inding Int	t Length Total Study Duration	Main Study Objective	Total N Target Population	Eligibility Criteria	Patient Characteristics	Int. n at Baseline (n at Follow-up)	e Int. Type	Specific Intervention	Control n at Baseline (n at Follow-up)	Specific Control	Outcomes Measured	Results/CI	Significance	Safety and Advers Events	Additional findings	Summary	Main Reported Findings by Critical Question
169	220183 Kelly AB	The HYP program-targeted motivational interviewing for adolescent violations of school tobacco policy.	2006	RCT	None C	Q10 (RF10)	Australia	Community (schools)	ne 1h		Evaluate the efficacy of a bort-term lobacoc-focused intervention for high school shudents referred by school administrators because of tobacco use	59 (3 Pediatric' schools) Young Adults	14-16 yr  Detected smoking tobacco by school administrators or teacher	Male: 66%	Arm 1: 30 (24) Arm 2: 26 (18)		Arm 1: Motivational interview (MI) Focused on ambivalence and indifference, the personal meaning of smoking in participants' lives, the positives and negatives of smoking in participants' lives, the positives and negatives of smoking quitting, the impaid of smoking quitting, the impaid and identification of obstacles to goal attainment.  Reading materials were provided but were not reviewed during the session Arm 2: Standard care (SC) Session was based on a psychoeducation model Reviewed published reading materials to educate participants on the broad effects of smoking regardless of personal experience Participants were given a smoking "qu vier"	N/A	N/A	Mean smoking days [d/wk (SD)]  Mean cigarettes smoked [cigarettes/wk (SD)]  Mean smoking refusal self-efficacy (SD)  Rate of abstinence [%]	Bit. 1mc 3mc 6 mc Mi: 68(14) 46(30) 47(30) 46(3.1) SC: 5.7(2.3) 5.5(2.7) 5.2(2.8) 5.8(2.3) Mi: 52(40) 28(34) 42(47) 42(45) SC: 49(43) 57(52) 51(46) 57(46) Mi: 88(24) 99(29) 108(32) 109(37) SC: 44(38) 99(36) 89(40) 91(40) Mi: 80(24) 99(26) 108(32) 109(37) SC: 4.7(36) 4.7(36) Mi: 80(24) 99(26) 108(32) 109(37) SC: 4.7(36) 4.7(36) Mi: 80(24) 99(26) 108(32) 108(37) SC: 4.7(36) 4.7(36) Mi: 100(24) 108(32) 108(37) Mi: 100(24) 108(32) 109(37) Mi: 100(24) 108(37) Mi:	By group: NS; By time: S*, GroupXTime: S By group: NS; By time: NS; GroupXTime: S By group: NS; By time: S*, GroupXTime: S NS at any time	N/A		d short term gains in self- reported smoking and	010. In adolescents, a motivational interviewing approach resulted in modest short term gains in self-reported smoking and improved cigarette refusal self-efficacy relative to standard care.
161	Roddy E	Use of incoline replacement in the heapy in societo community deprived young smokers: a community-based pilot randomized controlled that	2006	RCT	None C	Q10 (RF10)	UK	Community Dou	ible 6 wi		Determine whether nicotine replacement therapy (NRT) when combined with counseling is effective in young smokers in a deprived inner city area of Nottlingham, UK	98 Pediatric/ Young Adults		Mean age: Arm 1: 14.9 yr Control Arm: 14.7 yr Mate: Arm 1: 26% Control Arm: 44%	49 (3)	Pharmacole	ogl Arm 1: Nicotine Replacement Therapy (INT) Participants received NRT of 15 mg a wk 0-2, 10 mg at wk 3-4, and 5 mg at 15 min one-one or small friendship group counseling on a weekly basis	49 (5)	Control Arm. Placebo (COM) All subjects also received 10-15 min one-on-one or small friendship group counseling on a weekly basis	Primary: Median exhaled CO [ppm] CO validated point abstinence at 4 wk CO validated point abstinence at 13 wk	Primary: INT: 12.9 vs CON: 11.8 INT: 5/49 vs CON: 4/49 INT: 5/49 vs CON: 6/49	NS NS NS	None	median duration in the trial of only 1 week; 63	comparing nicotine of replacement therapy to placebo in socially deprived adolescents with a baseline smoking rate of 49% was unsuccessful with very high	013. A smoking cessation trial comparing nicotine replacement therapy to placebo in socially deprived adolescents with a baseline smoking rate of 49% was baseline smoking rate of 49% was out rates and no smoking abstinence at 13 wk F/U.
1833	81902 Phert L	Effect of a peculiatic practice bases monotory prevention and cessation intervention for adolescents: a randomized, controlled trial		RCT	None C	⊇10,11 (RF10)	USA	Clinical NR	21 w		Ostermine whether a pediatric practic- based minking prevention and cessation intervention increases abstirence rates among addrescents.	2.711 Pediatric' Young Adults	Adolescents aged 13 - 17 y	UC. 52 9%; F 10: 12%; W 2.0%; Hispanic 2.0%; B 69.5%; Never smoked 10.6%; Smoke now 15.9%; Dad smokes 15.4%; Mos smokes 15.4%; Mos smoking friends INT: 55.4%; F 91.6%; W 4.0%; Eganic 2.7%; Smoke now 15.4%; Nos smoking 17.4%; Never smoked 2.7%; Smoke now 15.4%; Dad smokes 17.0%; Mos smokes 6.2.%; Smoke now 15.4%; Dad smokes 6.2.%; Sheling smokes	1,346 (1,344)	Behavioral	Provider: and peer-delivered smoking intervention  Trained providers asked about emoking, advised cessation or continued entry and a second or continued entry and a second or strategy.  15. 1a 30-minute meeting with trained per counselors immediately following the provider session, followed by 10-minute follow up phone calls after 2, 6, 12, and 2 with the contract of the country		Usual care; procides received no training and no materials to provide to patients.		Prevention: (Not-emotiser at Bil.): INT is CON: 6 m Full (NC 2.15(c): 11.24.15)): 12 m Ful (OR1.64(C): 10.12.67)) Abstinence was predicted by INT exposure and by baseline confidence to refain from smoking. Smok was predicted by having more friends who smoked baseline.  Cessation (Smokers at Bil.): INT is CON: 6 m Ful (Not-13.69(1.06-2.40)): 12 m Ful No difference between grips Abstinence was predicted by INT exposure & more physician volts, decreased by older age and having more friends who smoked at baseline.	at S* NS	None		cessation intervention can be feasibly delivered in pediatric practices and can prevent initiation of smoking	10.11. A smoking prevention and cassation intervention can be feasibly delivered in pediatric practices and can prevent initiation of smoking for > 1 y and improve abstinence rates among smokers for > 6 m.