Supplementary material

Additional file 1:

Table 1: Study measures, survey items with responses, Sierra Leone Global Youth Tobacco Survey (GYTS)

Study measure	GYTS survey	GYTS item	Dichotomized	
· ·	items	responses	measure	
GYTS question used to obtain never-non-tobacco users' status	Have you ever tried or experimented with cigarette smoking, even one or two puffs?",	Yes No	Yes- Ever smoker No-Never smoker	No- no for all three dichotomized items
	Have you ever tried or experimented with any form of smoked tobacco products other than cigarettes	Yes No	Yes- Ever smoker No-Never smoker	Yes - for all three dichotomized items
	Have you ever tried or experimented with any form of smokeless tobacco products (such as snuff, chewing tobacco)?"	Yes No	Yes- Ever use smokeless tobacco No - Never used smokeless tobacco	
Dependent variable Tobacco use susceptibility	If one of your friends offered you a cigarette, would you smoke it?	Definitely not Probably not Probably yes Definitely yes	No "Definitely not" for all three items Yes any other responses for any of the three item	
	At anytime during the next 12 months do you think you will use any form of tobacco?	Definitely not Probably not Probably yes Definitely yes	No "Definitely not" for all three items Yes any other responses for any of the three item	
Dependent variable: current tobacco use	During the past 30 days, on how many days did you smoke	0 days 1 or 2 days 3 to 5 days 6 to 9 days 10 to 19 days	No- 0 days Yes- 1 or more days	No- no for all three

	cigarettes?	20 to 29 days		dichotomized
	eigarettes:	All 30 days		items
	During the	Yes	Yes	items
	past 30 days,	No	No	
	did you use	110	110	
	any form of			
	smoked			Yes - for all
	tobacco			three
				dichotomized
	products other			items
	than cigarettes			Items
	(such as cigar,			
	pipe water			
	pipe and			
	shisha)?	**	**	
	During the	Yes	Yes	
	past 30 days,	No	No	
	did you use			
	any form of			
	smokeless			
	tobacco			
	products (e.g.			
	chewing			
	tobacco, snuff,			
	dip)?			
Independent variables				
Age	How old are	11 years old or	≤13 years old	
	you?	younger		
		12 years old	≥14years old	
		13 years old		
		14 years old		
		15 years old		
		16 years old		
		17 years old or		
		older		
		2.5.4	2.5.4	
Sex	What is your	Male	Male	
G 1 / 2	sex?	female	female	
Grade / form	In what	JSS2	JSS2	
	grade/form are	JSS3	JSS3	
3.6	you?	SSS1	SSS1	
Money to be spent on	During an	I usually don't have	No Money- I	
average week	average week,	any spending	usually don't have	
	how much	money	any spending	
	money do you	Less than Le	money	
	have that you	20,000		
	can spend on	Le 20,000 - Le		
	yourself,	40,000	other responses	
	however you	Le 41,000 - Le	for any of the	
	want?	60,000	remaining six	
		Le 61,000 - Le	items	
		80,000		
		Le 81,000 - Le		
		100,000		
		Le 101,000 -Le		

		500,000		
Parental smoking	How often do you see your father (stepfather or mother's partner) smoking in your home?	Don't have/Don't see this person About every day Sometimes Never	No- Don't have/Don't see this person and Never Yes- About every day and Sometimes	No- no for both dichotomized items
	How often do you see your mother (stepmother or father's partner) smoking in your home	Don't have/Don't see this person About every day Sometimes Never	No- Don't have/Don't see this person and Never Yes- About every day and Sometimes	Yes - for both dichotomized items
Peer smoking	Do any of your closest friends smoke tobacco?	None of them Some of them Most of them All of them	No- None of them Yes- Some of them Most of them All of them	
SHSb exposure in your home	During the past 7 days, on how many days has anyone smoked inside your home, in your presence?	0 days 1 to 2 days 3 to 4 days 5 to 6 days 7 days	No- 0 days Yes-1 to 2 days 3 to 4 days 5 to 6 days 7 days	
SHSb exposure outside home	During the past 7 days, on how many days has anyone smoked in your presence, inside any enclosed public place, other than your home (such as office, school, shops, restaurants, cinemas, night club)?	0 days 1 to 2 days 3 to 4 days 5 to 6 days 7 days	No- 0 days Yes-1 to 2 days 3 to 4 days 5 to 6 days 7 days	No- no for all three dichotomized items Yes - for all three dichotomized items
	past 7 days, on how many days has	transportation during the past 7 days	public transportation during the past 7	

	anyone		days" and "I used	
	smoked in	I used public	public	
	your presence,	transportation, but	transportation, but	
	inside any	no one smoked in	no one smoked in	
	public	my presence	my presence"	
	*	¥ 1	my presence	
	transportation	1 to 2 days	77 1 0 1	
	vehicles, such	3 to 4 days	Yes-1 to 2 days	
	as trains,	5 to 6 days	3 to 4 days	
	buses, or	7 days	5 to 6 days	
	taxicabs?		7 days	
	During the	0 days	No- 0 days	
	past 7 days, on	1 to 2 days	Yes-1 to 2 days	
	how many	3 to 4 days	3 to 4 days	
	•	-		
	days has	5 to 6 days	5 to 6 days	
	anyone	7 days	7 days	
	smoked in			
	your presence,			
	at any outdoor			
	public place			
	(such as			
	playgrounds,			
	sidewalks,			
	entrances to			
	buildings,			
	parks,			
	beaches,			
	vehicle)?			
Exposure to	During the	Yes	Yes	No- no for
Exposure to antismoking	During the past 30 days,	Yes No	Yes No	No- no for both
	•			
antismoking	past 30 days, how many			both
antismoking	past 30 days, how many antismoking			both dichotomized
antismoking	past 30 days, how many antismoking media			both dichotomized
antismoking	past 30 days, how many antismoking media messages			both dichotomized
antismoking	past 30 days, how many antismoking media messages (e.g.,			both dichotomized
antismoking	past 30 days, how many antismoking media messages (e.g., television,			both dichotomized items
antismoking	past 30 days, how many antismoking media messages (e.g., television, radio,			both dichotomized items
antismoking	past 30 days, how many antismoking media messages (e.g., television, radio, billboards,			both dichotomized items Yes - for both dichotomized
antismoking	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters,			both dichotomized items
antismoking	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers,			both dichotomized items Yes - for both dichotomized
antismoking	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines,			both dichotomized items Yes - for both dichotomized
antismoking	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers,			both dichotomized items Yes - for both dichotomized
antismoking	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines,			both dichotomized items Yes - for both dichotomized
antismoking media messages	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen?	No	No	both dichotomized items Yes - for both dichotomized
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in	No	No	both dichotomized items Yes - for both dichotomized
antismoking media messages	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of	No	No	both dichotomized items Yes - for both dichotomized
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning	No	No	both dichotomized items Yes - for both dichotomized
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning smoking in	No	No	both dichotomized items Yes - for both dichotomized items
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning smoking in public	No	No	both dichotomized items Yes - for both dichotomized items
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning smoking in public places (such	No	No	both dichotomized items Yes - for both dichotomized items No- no for all three
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning smoking in public places (such as in	No	No	both dichotomized items Yes - for both dichotomized items No- no for all three dichotomized
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning smoking in public places (such	No	No	both dichotomized items Yes - for both dichotomized items No- no for all three
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning smoking in public places (such as in	No	No	both dichotomized items Yes - for both dichotomized items No- no for all three dichotomized
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning smoking in public places (such as in restaurants, in	No	No	both dichotomized items Yes - for both dichotomized items No- no for all three dichotomized
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning smoking in public places (such as in restaurants, in buses,	No	No	both dichotomized items Yes - for both dichotomized items No- no for all three dichotomized
antismoking media messages Support for smoke-free	past 30 days, how many antismoking media messages (e.g., television, radio, billboards, posters, newspapers, magazines, movies) have you seen? Are you in favour of banning smoking in public places (such as in restaurants, in buses, streetcars,	No	No	both dichotomized items Yes - for both dichotomized items No- no for all three dichotomized

	1	1		X7 0 "
	playgrounds,			Yes - for all
	in gyms			three
	and sports			dichotomized
	arenas, in			items
	discos)?			
	Do you think	No	No	
	the sale of	Yes	Yes	
	tobacco			
	products to			
	minors should			
	be banned?			
	Do you	No	No	
	think	Yes	Yes	
		1 68	1 68	
	tobacco			
	advertising			
	should be			
	banned?			
Knowledge about	Do you think	Definitely not	No "Definitely	No- no for
harmful effects of	cigarette	Probably not	not" for both	both
smoking and SHS	smoking is	Probably yes	items	dichotomized
	harmful to	Definitely yes		items
	your health?		Yes - any other	
			responses	
			for either item	
	Do you think	Definitely not	No "Definitely	
	the smoke	Probably not	not" for both	
	from other	Probably yes	items	Yes - for both
	people's	Definitely yes		dichotomized
	cigarettes is	Definitely yes	Yes - any other	items
	harmful to		responses	Items
	you?		for either item	
Tobacco industry	Do you have	No	No	No- no for
	•	Yes	Yes	both
promotion	something (t-	res	Yes	
	shirt, pen,			dichotomized
	backpack,			items
	etc.)			
	with a			
	cigarette			
	brand logo on			
	it?			
	Has a	No	No	Yes - for both
	(cigarette	Yes	Yes	dichotomized
	representative)			items
	ever offered			
	you a free			
	cigarette?			
Family discussed the	Has anyone	No	No	
harmful effects of	in your	Yes	Yes	
smoking tobacco	family			
	discussed			
	the harmful			
	effects of			
	smoking			
	_			
	tobacco			

	with you?			
Antismoking school education	During the past 12 months, were you taught in any of your classes about the dangers of tobacco use?	No I don't know Yes	No- No I don't know Yes- Yes	

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