

Health Cognition & Behavior Lab

Updated 05/03/2010

UNC Mother-Daughter Communication Study (2009)

This survey was designed by Noel Brewer and colleagues at the UNC Gillings School of Global Public Health and the Centers for Disease Control and Prevention (http://www.unc.edu/~ntbrewer/hpv.htm). Data collection was via an online survey with a national sample of mothers of girls aged 11-14 years (n= 951, response rate 66%) during December 2009.

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[...] Brackets indicate text that participants did not see, including source of item, instructions to the programmer or response scale options not seen by participants

Item #	Construct	Item	Response Scale
	Introduction	Thank you for taking our survey. There are no right or wrong answers. If you have a hard time remembering anything, please just give us your best answer.	
A95	Introduction	We invited you to participate because you have an 11-14 year old daughter. Many of the survey questions will be about her. If you have more than one 11-14 year old daughter, please think about the <u>one who had the most recent birthday</u> when you answer the questions.	
A110	Daughter's name	What is your 11-14 year old daughter's first name? If you prefer to give initials, that is fine. We just need a way to refer to her.	Name: [oe]
A120	Daughter's age	How old is [name]?	1= 11 years old 2= 12 years old 3= 13 years old 4= 14 years old [-1 = item not answered]

A130	Daughter's grade	[Asked of all]	
		What grade is [name] in?	1= 4 th grade 2= 5 th grade 3= 6 th grade 4= 7 th grade 5= 8 th grade 6= 9 th grade 7= other, please specify: [oe] grade [-1 = item not answered]
A140		Does [name] have any older sisters?	1= yes 0= no [-1 = item not answered]
		HEALTH BEHAVIORS	
B90		The next questions are about your daughter's health and health care.	
B100	Communication (safety)	How much have you talked with [name] about always using a seat belt?	1= not at all 2= a little 3= a lot [-1 = item not answered]
B110	Communication (substance use)	How much have you talked with [name] about not using cigarettes or tobacco?	1= not at all 2= a little 3= a lot [-1 = item not answered]
B115	Seasonal Flu Vaccination	Each fall a seasonal influenza or flu vaccine becomes available. It can be given as a shot injected into the arm or as a mist that is sprayed in the nose (also called FluMist). This is not the H1N1 or Swine Flu vaccine. Has [name] received a seasonal flu vaccine this flu season (since this summer)? Modified from (Centers for Disease Control and Prevention, 2009)	1= yes 0= no 9= I don't know [-1 = item not answered]
B117	H1N1 Vaccination	This year, you may have heard about a type of the flu called H1N1, also known as Swine Flu. This is <u>not</u> the seasonal flu. Has [name] received H1N1 flu vaccine?	1= yes
		Modified from (Centers for Disease Control and Prevention, 2009)	0= no [skip to B118] 9= I don't know [-1 = item not answered]
B117a	Objective Barriers- H1N1 Vaccination	Did you want to get [name] H1N1 flu vaccine but were unable to?	1= yes 0= no [-1 = item not answered]

B118	Hepatitis B Vaccination	Hepatitis B shots are usually given during infancy. Children can receive hepatitis B vaccine at older ages if they did not get it as an infant. The hepatitis B vaccine is a series of three shots. How many hepatitis B shots, if any, has [name] had?	0= none 1= 1 2= 2 3= 3 4= at least 1, but I don't know how many 9= I don't know [-1= item not answered]
B120	Meningitis Vaccination	Has [name] received a meningitis shot, sometimes called Menactra or Menomune?	1= yes 0= no 9= I don't know [-1 = item not answered]
B130	Communication (meningitis vaccine)	How much have you talked with [name] about the meningitis shot?	1= not at all 2= a little 3= a lot [-1 = item not answered]
B140	Tetanus Vaccination	Has [name] received a tetanus booster, also called Td or Tdap shot? Tetanus boosters are given every 10 years. The first booster is usually given around 11 or 12 years of age.	1= yes 0= no 9= I don't know [-1 = item not answered]
B150	Communication (tetanus vaccine)	How much have you talked with [name] about the tetanus booster or Tdap shot?	1= not at all 2= a little 3= a lot [-1 = item not answered]
C100	HPV Vaccination	HPV is human papillomavirus. The next questions are about the HPV vaccine. It's sometimes called the cervical cancer vaccine, Gardasil, or Cervarix. Has [name] had any shots of the HPV vaccine?	1= yes 0= no [skip to C150] [-1 = item not answered]
C110	Vaccinated- Age	[If C100=1; i.e., dtr has gotten HPV vaccine]	
		How old was [name] when she got her first HPV vaccine shot?	1= 9 years 2= 10 years 3= 11 years 4= 12 years 5= 13 years 6= 14 years [-1 = item not answered]
C120	Vaccinated- # of Shots	How many shots of HPV vaccine has [name] gotten?	1= 1 2= 2 [skip to C140] 3= 3 [skip to C150] [-1 = item not answered]

C130	Vaccinated- Last 4 Months	[If C120=1; i.e., dtr had 1 shot]	
		Did she get the HPV shot in the last 4 months (since [month4 day], 2009)?	1= yes 0= no 9= I don't know [-1 = item not answered] [all skip to C150]
C140	Vaccinated-Shot #2,	[If C120=2; i.e., dtr had 2 shots]	
	Last 6 Months	Did she get her second HPV shot in the last 6 months (since [month6 day], 2009)?	1= yes 0= no 9= I don't know [-1 = item not answered]
C150	HPV knowledge	The next questions are about your thoughts on HPV and HPV vaccine.	
		Do you think HPV is a sexually transmitted disease?	1= yes 0= no 9= I don't know
		(Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)	[-1 = item not answered]
C160	HPV vaccine knowledge	Do you think health officials recommend that all 11-12 year old girls should get the HPV vaccine?	1= yes 0= no 9= I don't know
		(Brewer et al., 2009)	[-1 = item not answered]
C170	HPV vaccine knowledge	Do you think there is an HPV vaccine that can prevent most genital warts? (Brewer et al., 2009)	1= yes 0= no 9= I don't know [-1 = item not answered]
C180	HPV vaccine knowledge	Do you think HPV vaccine prevents most cervical cancer? (Brewer et al., 2009)	1= yes 0= no 9= I don't know [-1 = item not answered]
C190	HPV vaccine knowledge	Do you think HPV vaccine works best if girls get it before they start having sex? (Brewer et al., 2009)	1= yes 0= no 9= I don't know [-1 = item not answered]
C195	Transition	[C195 should be given to all participants] HPV vaccine is recommended for all girls aged 11-12. It can also be given up to age 26. HPV vaccine protects against most cervical cancer. One HPV vaccine (Gardasil) also protects against most genital warts.	[If C100==1, skip to C210]
C200	Intention (HPV vaccination)	[If C100=0; i.e., dtr unvaccinated] How likely are you to get [name] the HPV vaccine in the next year? Would you say you (Reiter et al., 2009)	4= definitely will 3= probably will 2= probably won't 1= definitely won't [-1 = item not answered]

C210	School provision	[Asked of all participants]	
		If [name]'s school offered HPV vaccine, how willing would you be to let her get it there? (Brewer et al., 2009)	4= definitely willing 3= probably willing 2= probably not willing 1= definitely not willing [-1= item not answered]
C220	School provision	What concerns would you have about [name] getting	Check all that apply.
		HPV vaccine at her school?	1= insurance might not cover it 2= staff might not be well trained 3= schools should not provide immunizations 4= I want her doctor to keep track of her shots and other health history. 5= I would want to be there when she got it 6= other students might find out that she got the HPV vaccine 7= no concerns 8= other, please specify: [oe] [-1 = item not answered]
D90	Transition	The next questions are about your relationship with your daughter.	
D100	Parental monitoring	How much do you know about how [name] spends her free time? Modified from (Miller, Forehand, & Kotchick, 1999)	4= a lot 3= a moderate amount 2= a little 1= nothing at all [-1 = item not answered]
D110	Parental monitoring	How much do you know about where [name] is most afternoons after school? Modified from (Miller et al., 1999)	4= a lot 3= a moderate amount 2= a little 1= nothing at all [-1 = item not answered]
D120	Parental monitoring	How much do you know about who [name]'s friends really are? Modified from (Miller et al., 1999)	4= a lot 3= a moderate amount 2= a little 1= nothing at all [-1 = item not answered]
D130	Relationship satisfaction	Please tell us how much you agree or disagree with the following statement. Overall, I am satisfied with my relationship with [name]. (National Longitudinal Study of Adolescent Health (Add Health), 1999)	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]

D140	General communication	How would you rate your ability to communicate with [name]? Modified from (Martino, Elliott, Corona, Kanouse, & Schuster, 2008)	5= excellent 4= very good 3= good 2= fair 1= poor [-1 = item not answered]
		COMMUNICATION	
E90	Transition	The next questions are about talking with your daughter about sex topics.	
E100	Communication (sex topics)	Have you ever talked with [name] about sex topics? These might include what sexual intercourse is, when to start having sex, how to keep from getting pregnant, diseases you can get when you have sex, HIV/AIDS, and condoms.	1= yes 0= no [skip to E130] [-1 = item not answered]
E110	Communication- Age (sex topics)	[If E100=1; i.e., talked about sex] How old was [name] when you first talked with her about sex topics?	[oe] years [-1 = item not answered]
E120	Communication- Past Year (sex topics)	Have you talked with [name] about sex topics in the past year?	1= yes 0= no [-1 = item not answered]
E130	Attitudes	[Asked of all participants] Please tell us how much you agree or disagree with the following statements. I think [name] should wait until she's married to have sex. Modified from (Miller et al., 1999)	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
E140	Attitudes	I think that [name] having sex while she is a teenager could be okay under certain circumstances. Modified from (Miller et al., 1999)	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
E150	Communication- Self Comfort (sex topics)	I feel comfortable talking to [name] about sex topics. (Miller et al., 2009)	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
E160	Communication- Dtr Comfort (sex topics)	I think [name] would feel comfortable talking with me about sex topics.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]

E170	Attitudes (communication about sex)	[Name] will get information about sex somewhere else, so I don't really need to talk to her about it.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
E180	Communication- Mom as Teen (sex topics)	When I was a teenager, my mother talked with me about sex topics. Modified from (Hutchinson, 2002)	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
E190	Intention (talk sex)	How likely are you to talk with [name] about sex topics in the next year?	1= Definitely won't 2= Probably won't 3= Probably will 4= Definitely will [-1 = item not answered] [If E100==0, skip to E280 after this question]
E200	Sex communication Content	[E200-E270 only if E100=1; i.e., has talked about sex] We'd like to understand what you discussed with your daughter when you talked about sex topics. How much have you told [name] that she should wait until she is married to have sex? All content items (E200-E250 and F370-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	1= not at all 2= a little 3= a lot [-1 = item not answered]
E210	Sex Communication Content	How much have you told [name] that sex between teenagers could be okay under certain circumstances? All content items (E200-E250 and F370-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	1= not at all 2= a little 3= a lot
E220	Sex Communication Content	How much have you talked with [name] about how to decide when to start having sex? All content items (E200-E250 and F370-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	1= not at all 2= a little 3= a lot [-1 = item not answered]
E230	Sex Communication Content	infections or diseases a person can get from having sex? All content items (E200-E250 and F370-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	1= not at all 2= a little 3= a lot [-1 = item not answered]
E240	Sex Communication Content	the importance of using condoms during sex? All content items (E200-E250 and F370-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	1= not at all 2= a little 3= a lot [-1 = item not answered]

E250	Sex Communication Content	birth control or how to prevent pregnancy? All content items (E200-E250 and F370-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	1= not at all 2= a little 3= a lot [-1 = item not answered]
E260	Communication Quality (self)	Would you say your conversation/s with [name] about sex went	1= well 2= poorly 3= neither well nor poorly [-1 = item not answered]
E270	Communication Quality (dtr)	In your opinion, do you think [name] would say your conversation/s about sex went	1= well 2= poorly 3= neither well nor poorly [-1 = item not answered]
E280	Information Source (doctor)	[Ask of all participants] How comfortable would you be if [name] got information about sex topics from	
		her doctor or health care provider?	3= very comfortable 2= somewhat comfortable 1= not at all comfortable [-1 = item not answered]
E282	Information Source (other parent/guardian)	her other parent (or guardian)?	3= very comfortable 2= somewhat comfortable 1= not at all comfortable 8= does not apply to our family [-1 = item not answered]
E284	Information Source (friends)	her friends?	3= very comfortable 2= somewhat comfortable 1= not at all comfortable [-1 = item not answered]
E286	Information Source (school)	her school?	3= very comfortable 2= somewhat comfortable 1= not at all comfortable [-1 = item not answered]
E288	Information Source (website)	a website that gives information about health?	3= very comfortable 2= somewhat comfortable 1= not at all comfortable [-1 = item not answered]
E290	Preferred information source	Where would you most prefer [name] get information about sex topics?	1= me 2= her other parent (or guardian) 3= her doctor or other health care provider 4= her friends 5= her school 6= a website that gives information about health [-1 = item not answered]

F100	Menstruation Onset	We'd like to understand more about what prompts mothers to talk to their daughters about health and sex topics. To your knowledge, has [name] ever gotten her period (menstruated)?	1= yes 0= no [skip to F120] [-1 = item not answered] [E100=0, i.e., if said they had not ever talked about sex, skip to F120]
F110	Cue to action (talk sex)	[If F100=1, i.e., dtr got period & E100=1] Did [name] getting her period lead you to talk with her about sex topics?	1= yes 0= no [-1 = item not answered]
F120	Communication (puberty)	How much have you talked with [name] about puberty or physical development?	1= not at all [skip to F140] 2= a little 3= a lot [-1 = item not answered] [E100=0, i.e., if said they had not ever talked about sex, skip to F140]
F130	Cue to action (talk sex)	[If F120=2 or 3, i.e., had talked about puberty & E100=1] Did talking about puberty or physical development ever lead you to talk with [name] about sex topics?	1= yes 0= no [-1 = item not answered]
F140	Dtr Interest in Boys	In your opinion, has [name] shown an interest in boys or dating?	1= yes 0= no [skip to F160] [-1 = item not answered] [E100=0, i.e., if said they had not ever talked about sex, skip to F160]
F150	Cue to action (talk sex)	[If F140=1; i.e., dtr interested in boys & E100=1] Did noticing her interest in boys or dating ever lead you to talk with [name] about sex topics?	1= yes 0= no [-1 = item not answered]
F160	Perceived Risk (sexual activity, current)	Do you think [name] has had sex? Modified from (A L McRee, Reiter, & Brewer, 2010)	1= I'm sure that she has not [skip to F165] 2= She might have 3= I'm sure that she has [-1 = item not answered] [E100=0, i.e., if said they had not ever talked about sex, skip to F165]

F163	Cue to action (talk sex)	[If F160=2 or 3; i.e., dtr might have or has had sex & E100=1]	
		Did thinking [name] has had sex ever lead you to talk with her about sex topics?	1= yes 0= no [-1 = item not answered]
F165	Perceived Risk (sexual activity, future)	What are the chances that [name] will have sex in the next year?	1= I'm sure that she will not [skip to F180] 2= She might 3= I'm sure that she will [-1 = item not answered]
		(A L McRee et al., 2010)	[E100=0, i.e., if said they had not ever talked about sex, skip to F180]
F170	Cue to action (talk sex)	[If F165=2 or 3; i.e., dtr might or will have sex in next year & E100=1]	
		Has the possibility of [name] having sex in the next year ever led you to talk with her about sex topics?	1= yes 0= no [-1 = item not answered]
F180	Sex Education	To your knowledge, has [name] had sex education in school?	1= yes 0= no 9= I don't know [-1 = item not answered] [E100=0, i.e., if said they had
			not ever talked about sex, skip to F230]
F190	Cue to action (talk sex)	Did a sex education class or discussion at her school ever lead you to talk with [name] about sex topics?	1= yes 0= no [-1 = item not answered]
F200	Cue to action (talk sex)	Have you ever talked with [name] about sex topics because she asked about it?	1= yes 0= no [-1 = item not answered]
F210	Cue to action (talk sex)	Have you ever talked with [name] about sex topics because her friends were having sex or talking about sex?	1= yes 0= no [-1 = item not answered]
F220	Cue to action (talk sex)	Has something in the news, on television, or on the internet ever led you to talk with [name] about sex topics?	1= yes 0= no [-1 = item not answered]
F230	Perceived Risk (drugs/alcohol)	To your knowledge, has [name] ever experimented with drugs or alcohol?	1= yes 0= no [-1 = item not answered]
F240	Communication (drugs/alcohol)	How much have you talked to [name] about drugs or alcohol?	1= not at all [skip to F300] 2= a little 3= a lot [-1 = item not answered]

			[E100=0, i.e., if said they had not ever talked about sex, skip to F310]
F250	Cue to action	[If F240=2 or 3; i.e., talked about drugs & E100=1]	
	(talk sex)	Did talking about drugs or alcohol with [name] ever lead you to talk with her about sex topics?	1= yes 0= no [-1 = item not answered]
F300	Cue to action (talk sex)	[If C100=1 & E100=1; i.e., dtr has received HPV vaccine & they have talked about sex]	
		Earlier, you said that your daughter had received the HPV vaccine.	
		Did her getting the HPV vaccine lead you to talk with [name] about sex topics?	1= yes 0= no [-1 = item not answered]
F310	Communication (HPV vaccine)	[Ask of all participants]	
	(Hr v vaccine)	How much have you talked to [name] about the HPV vaccine?	1= not at all [skip to F500] 2= a little 3= a lot [-1 = item not answered]
F320	Communication	[If F310=2 or 3; i.e., talked to dtr about HPV vacc]	[1 - Rem not unswered]
	Initiator (HPV vaccine)	When you talked to [name] about the HPV vaccine, who first brought up the topic?	Choose one.
			1= I did 2= my daughter, [name] 3= her other parent or guardian 4= doctor or other health care provider 5= someone else [-1 = item not answered]
F330	Cue to action	[If F320=1; i.e., "I did"]	
	(talk HPV vaccine)	What prompted you to talk with [name] about the HPV vaccine?	Check all that apply.
			1= doctor or health care provider visit
			2= information from my daughter's school 3= an ad for the vaccine 4= news or internet coverage of
			the vaccine 5= nothing specific 6= other [-1 = item not answered]

F340	Cue to action (talk sex)	[F310=2 or 3; i,e., talked to dtr about HPV vacc & E100=1]	
		Did talking about the HPV vaccine with [name] ever lead to a discussion about sex topics?	1= yes 0= no [skip to F360] [-1 = item not answered]
		(A.L. McRee, Brewer, Reiter, Gottlieb, & Smith, 2009)	
F350	First Communication (sex)	[Ask if F340=1; i.e., talking about HPV vaccine led to talk about sex]	
		Was this the <u>first time</u> you spoke with [name] about sex topics?	1= yes 0= no [-1 = item not answered]
F360	Cue to action (talk sex)	[If E100=1; i.e., talked about sex with dtr]	
	(unit son)	We've asked about some things that could prompt parents to talk with their daughters about sex topics. Did anything else prompt you to talk with [name] about sex?	1= yes, please specify: [oe] 0= no [-1 = item not answered]
F370	HPV Vacc Communication (abstinence)	[F370-F480 asked only if F340=1; i.e., talking about HPV vaccine led to talk about sex; if F310=0, skip to F500]	
		When you talked with [name] about HPV vaccine, how much did you tell her that she should wait until she is married to have sex? All content items (E200-E250 and F370-F440) generated based on	1= not at all 2= a little 3= a lot [-1 = item not answered]
700	YYDYYYY	items in (Miller et al., 2009; Wyckoff et al., 2008)	4
F380	HPV Vacc Communication Content	When you talked with [name] about HPV vaccine, how much did you tell her that sex between teenagers could be okay under certain circumstances?	1= not at all 2= a little 3= a lot [-1 = item not answered]
		All content items (E200-E250 and F370-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	[1 = Rem not unswered]
F390	HPV Vacc Communication Content	When you talked with [name] about HPV vaccine, how much did you talk about	1= not at all 2= a little 3= a lot
		how to decide when to start having sex?	[-1 = item not answered]
		All content items (E200-E250 and F370-F400, F420-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	
F400	HPV Vacc Communication Content	how she doesn't need HPV vaccine because she's not having sex yet?	1= not at all 2= a little 3= a lot [-1 = item not answered]
F410	HPV Vacc Communication Content	how getting HPV vaccine doesn't mean you think it is okay for her to have sex?	1= not at all 2= a little 3= a lot [-1 = item not answered]
F420	HPV Vacc Communication Content	infections or diseases a person can get from having sex? All content items (E200-E250 and F370-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	1= not at all 2= a little 3= a lot [-1 = item not answered]

F430	HPV Vacc Communication Content	the importance of using condoms during sex? All content items (E200-E250 and F370-F440) generated based on items in (Miller et al., 2009; Wyckoff et al., 2008)	1= not at all 2= a little 3= a lot [-1 = item not answered]
F440	HPV Vacc Communication Content	birth control or how to prevent pregnancy? All content items (E200-E250 and F370-F440) generated based on	1= not at all 2= a little 3= a lot [-1 = item not answered]
F450	Attitudes	items in (Miller et al., 2009; Wyckoff et al., 2008) Many things could give parents a chance to talk with their daughters about sex topics. Please tell us how much you agree or disagree with the following statements.	
		Talking about HPV vaccine with [name] gave me a chance to talk with her about sex, that I might not have had otherwise.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
F460	Attitudes	Talking about HPV vaccine made it easier to start a conversation about sex with [name].	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
F470	Attitude	Because HPV vaccine is recommended for young girls, it is a good reason to talk about sex with [name] at her age.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
F480	Attitude	Even without talking about HPV vaccine, I would have talked about sex topics with [name] at her age.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
F500	Reasons not talk HPV vacc	[F500-F580 asked only if F310=0; i.e., has not talked about HPV vaccine; if F310=1, i.e, talked about HPV vaccine, skip to G90]	
		Please tell us how much you agree or disagree with the following statements.	
		I haven't talked with [name] about HPV vaccine because	
		her doctor hasn't recommended it.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree

			1 = strongly disagree [-1 = item not answered]
F510	Reasons not talk HPV vacc	I don't know enough about HPV vaccine.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
F520	Reasons not talk HPV vacc	she's too young.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
F530	Reasons not talk HPV vacc	I don't want to talk to her about sex.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
F560	Reasons not talk HPV vacc	she's not having sex yet.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
F570	Reasons not talk HPV vacc	I don't want her to get the HPV vaccine.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
F580	Reasons not talk HPV vacc	I just haven't gotten around to it.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
		HEALTH CARE	
G90	Transition	The next questions are about your daughter's health care.	

G100	Health care provider	Does [name] have a regular doctor or other health care provider? A regular doctor or health care provider knows your daughter and her health history. This can be a general doctor, a pediatrician, a specialist doctor, a nurse practitioner, or a physician assistant. Modified from (North Carolina State Center for Health Statistics, 2009)	1= yes 0= no [-1 = item not answered]
G110	Health care provider	What type of doctor or other health care provider does [name] see most often?	1= a pediatrician 2= a family or general practitioner 3= not sure or another type of health care provider. [-1 = item not answered]
G120	Health care	When was the last time [name] had a preventive care visit, such as a physical, check up, or shots? This does not include times you took her to the doctor because she was sick. Modified from (North Carolina State Center for Health Statistics, 2008)	1= less than 1 year ago 2= 1 to 3 years ago 3= more than 3 years ago [-1 = item not answered]
G130	Health care satisfaction	Overall, how satisfied are you with the quality of health care [name] receives? Modified from (Saha, Arbelaez, & Cooper, 2003)	5= very satisfied 4= somewhat satisfied 3= neither satisfied nor dissatisfied 2= somewhat dissatisfied 1= very dissatisfied [-1 = item not answered]
G140	HCP relationship (information)	The next questions are about [name]'s regular doctor or other health care provider. If she does not have a regular health care provider, these are about the doctor or clinic your daughter goes to most often. Please tell us how much you agree or disagree with the following statements. I get the information I need about [name]'s health or health care from her health care provider. Modified from (Saha et al., 2003)	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
G150	HCP relationship (time)	[Name]'s health care provider spends enough time with her. Modified from (Saha et al., 2003)	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]

G160	HCP relationship (trust)	I trust [name]'s health care provider so much that I always try to follow her or his advice. (Moseley, Clark, Gebremariam, Sternthal, & Kemper, 2006)	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
G200	HCP Communication Content	Has any health care provider ever discussed sex topics while you and [name] were in the room together?	1= yes 0= no [skip to G230] [-1 = item not answered]
G210	HCP Communication Content	[If G200=1; i.e., HCP has discussed sex topics] Has a health care provider ever discussed prevention of sexually transmitted diseases?	1= yes 0= no [-1 = item not answered]
G220	HCP Communication Content	Has a health care provider ever discussed birth control (prevention of pregnancy)?	1= yes 0= no [-1 = item not answered]
G230	HCP Communication Content	[Ask of all participants] Has a health care provider ever encouraged you to talk to [name] about sex topics?	1= yes 0= no [-1 = item not answered]
G240	HCP Communication Content	Have you ever talked to a health care provider about the HPV vaccine for [name]?	1= yes 0= no [skip to G280] [-1 = item not answered]
G245	HCP Communication Content	When the health care provider talked about HPV vaccine for [name], did she or he also talk about sex topics?	1= yes 0= no [-1 = item not answered]
G250	Doctor recommendation	Has a health care provider ever told you[name] should get the HPV vaccine?	1= yes 0= no [-1 = item not answered]
G260	Doctor recommendation (not)	[name] should <u>not</u> get the HPV vaccine?	1= yes 0= no [-1 = item not answered]
G270	HCP Communication Content	that HPV is a sexually transmitted disease?	1= yes 0= no [-1 = item not answered]
G280	Dtr alone with HCP	[Asked of all] How often has [name] spent time talking with a doctor or other health care provider in private (without you in the room)? Modified from (North Carolina State Center for Health Statistics, 2009)	2= every visit 1= some visits 0= never [-1 = item not answered]

G290	Information Preferences	Please tell us how much you agree or disagree with the following statements.	
		It would be helpful if a health care provider gave <u>me</u> information on how to talk to [name] about sex.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
G300	Information Preferences	It would be helpful if a health care provider talked to [name] about sex topics.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
G310	Information Preferences	[Name]'s next yearly check up would be a good time for me to get information on talking with her about sex.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
G320	Information Preferences	Doctor visits for HPV vaccine shots would be a good time for me to receive information on talking with [name] about sex.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
G330	Information Preferences	Doctor visits for HPV vaccine shots would be a good time to for a health care provider to talk with [name] about sex.	5 = strongly agree 4 = somewhat agree 3 = neither agree nor disagree 2 = somewhat disagree 1 = strongly disagree [-1 = item not answered]
G335	Health insurance	What type of insurance does [name] have? Modified from (Reiter et al., 2009)	1= no insurance 2= private health insurance 3= prepaid plan such as HMO 4= government plan including Medicaid or the Children's Health Insurance Program (CHIP) 9= I don't know [-1= item not answered]
G340	Transition	The survey is almost done.	[display to all]
		HRV VACCINE & ROYS	
	Son	HPV VACCINE & BOYS Do you have a son between the ages of 9 and 18?	1= yes
		, a man man a man	0= no [skip to section I] [-1= item not answered]
H90	Transition	We are asking the next questions because you have a 9-18 year old son. The next questions will be about him. If you	

		have more than one 9-18 year old son, please think about	
		the one who had the most recent birthday when you answer the questions.	
H95	Son's age	How old is your son?	1= 9 years old 2= 10 years old 3= 11 years old 4= 12 years old 5= 13 years old 6= 14 years old 7= 15 years old 8= 16 years old 9= 17 years old 10= 18 years old [-1 = item not answered]
H100	Awareness	An HPV vaccine is now available for use in boys and young men 9-26 years old. It protects against most genital warts and may provide some protection against different types of cancer, including oral and anal cancers. It requires 3 doses (or shots) over 6 months.	
		Before today, had you heard that the HPV vaccine can be given to boys?	1= yes 0= no [-1 = item not answered]
		Modified from (Reiter et al., 2009)	\
H110	HPV vaccination	Has your son had any shots of the HPV vaccine?	1= yes [skip to H150] 0= no [-1 = item not answered]
H120	Benefits	(Reiter et al., 2009) [Ask H150 of all who have sons 11-18]	
11120	Belletits	Vaccinating boys against HPV may also provide protection against genital warts and cervical cancer for their future spouses or girlfriends. How important is it to you that HPV vaccine could protect your son's future spouse or girlfriend? Modified from (Gerend & Barley, 2009)	4= very important 3= fairly important 2= slightly important 1= not important at all [-1 = item not answered]
H130	Willingness	[If H120=0, son has not had HPV vaccine shots]	
		How willing would you be to get the HPV vaccine for your son if it was free? Remember, this is about your son, aged 9-18. Modified from (Reiter et al., 2009)	5= definitely willing 4= probably willing 3= not sure 2= probably not willing 1= definitely not willing [-1 = item not answered]
H140	Willingness	How willing would you be to get the HPV vaccine for your son if it cost \$400 out of pocket? This would be from your own money, not paid for by	5= definitely willing 4= probably willing 3= not sure 2= probably not willing

		insurance.	1= definitely not willing
			[-1 = item not answered]
		Modified from (Reiter et al., 2009)	
H150	Communication	How much have you talked with your son about the HPV	1= not at all [skip to section I]
	(HPV vaccine)	vaccine?	2= a little 3= a lot
		Modified from (A.L. McRee et al., 2009)	[-1 = item not answered]
H160	Cue to action	[If H160=2 or 3]	
	(talk sex)	Did talking about the HPV vaccine with your son ever	1= yes
		lead to a discussion about sex topics?	0= no
		1	[-1 = item not answered]
		Modified from (A.L. McRee et al., 2009)	
		BACKGROUND	
190	Transition	[I90-end asked of all]	
		The next questions are about your religious and political	
		beliefs. Your answers will help us better understand the	
		backgrounds of the mothers who took our survey.	
T100	Delining	Hamilton antant is called as to see 9	Aimmontont
I100	Religion	How important is religion to you?	4= very important 3= fairly important
			2= slightly important
			1= not important at all
		(Pew Research Center for the People and the Press, 2009)	[-1 = item not answered]
I110	Religion	Do you consider yourself a Born-again Christian?	1=yes
			0=no
		Modified from (Pew Research Center for the People and the Press, 2009)	[-1 = item not answered]
I120	Political leaning	In general, would you say your views in most political	1 = very conservative
		matters are	2 = somewhat conservative
			3 = moderate 4 = somewhat liberal
			5 = very liberal
		(Pew Research Center for the People and the Press, 2009)	[-1 = item not answered]
I130	Mother HPV vaccination	The last questions are about your medical history.	1= yes 0= no
	vaccination	Have <u>you</u> ever received any doses of the HPV vaccine?	[-1 = item not answered]
		114, 6 <u>754</u> 6 (41 1466), 65 any 65555 51 and 111 (1466).	[1 10m not answered]
I140	Abnormal nan	Have you ever had an abnormal non amoun?	1- 100
1140	Abnormal pap	Have you ever had an abnormal pap smear?	1= yes 0= no
			[-1 = item not answered]
T4 = 0	CI.		
I150	Closing statement	Thank you for taking the UNC Mother-Daughter	
		Communication Survey:	
		You can find information on talking with your daughter	
		about sex here:	
		[hyperlink to:	
		http://www.advocatesforyouth.org/index.php?option=com_content&task=view&id=108&Itemid=206]	
	•		·

You can find information about HPV vaccine here: [hyperlink to: http://www.cdc.gov/vaccines/spec-grps/preteens-adol/hpvfacts-qa.htm]	
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