



HPV Immunization in Sons (HIS) Study - Baseline Parent Survey (2010)

This survey was designed by Noel Brewer, Paul Reiter, and colleagues at the UNC Gillings School of Global Public Health (<http://www.unc.edu/~ntbrewer/hpv.htm>). Baseline data collection was via an online survey with a national sample of parents with adolescent sons ages 11-17 years (n=547, response rate=73% among parents who responded to their email invitation). Baseline surveys were completed during August and September 2010. A sample of sons also completed baseline surveys (see HIS Baseline Son Survey).

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

<u>Item #</u>	<u>Construct</u>	<u>Item</u>	<u>Response Scale</u>
INTRODUCTION			
X1	Introduction	How many 11-17 year old sons do you have?	[open-ended]
X2	Introduction	Please enter the age of each son aged 11 to 17.	
P90	Introduction	<p>[IF X1>1] According to the answers you provided, you have [answer from X1] sons aged 11 to 17. Please think about the one who had the most recent birthday when you answer the questions.</p> <p>[IF X1=1] According to the answers you provided, you have 1 son aged 11 to 17. Please think about this child when you answer the questions.</p>	

X3	Son's Name	To help the survey work better, please provide a name that you would like us to use when referring to your son. (This information is only for the survey. You can give initials or a nickname – whatever you will remember.)	[open-ended]
P100	Son's Age	How old is [name]?	1 = 11 years old 2 = 12 years old 3 = 13 years old 4 = 14 years old 5 = 15 years old 6 = 16 years old 7 = 17 years old [-1 = item not answered]
HEALTH BEHAVIORS			
P105	Meningitis coverage	Has [name] received a meningitis shot, sometimes called Menactra or Menomune? (Brewer et al., 2009)	1 = Yes 0 = No 9 = I don't know [-1 = item not answered]
P110	Tetanus coverage	Tetanus boosters are given every 10 years. The first booster is usually given around 11 or 12 years of age. Has [name] received a tetanus booster, also called Td or Tdap shot? (Brewer et al., 2009)	1 = Yes 0 = No 9 = I don't know [-1 = item not answered]
P115	Flu shot coverage	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 <u>not</u> the H1N1 or Swine Flu vaccine. Did [name] receive a seasonal flu vaccine this past flu season? <i>Modified from</i> (Centers for Disease Control and Prevention, 2009)	1 = Yes 0 = No 9 = I don't know [-1 = item not answered]

P120	Communication	As children get older, some parents talk with them about vaccines. How comfortable would you be talking with [name] about a new vaccine that could prevent cancer?	5 = Very comfortable 4 = Somewhat comfortable 3 = Not sure 2 = Somewhat uncomfortable 1 = Very uncomfortable [-1 = item not answered]
P125	Communication	How comfortable would you be talking with [name] about a new vaccine that could prevent a disease people get from having sex?	5 = Very comfortable 4 = Somewhat comfortable 3 = Not sure 2 = Somewhat uncomfortable 1 = Very uncomfortable [-1 = item not answered]
AWARENESS AND KNOWLEDGE			
P130	Awareness	Have you heard of HPV or human papillomavirus before today? <i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)	1 = Yes 0 = No 9 = I don't know [-1 = item not answered]
P132	Informative statement	HPV is a common sexually transmitted infection that sometimes leads to genital warts or cancer.	
P135	Awareness	The HPV vaccine is sometimes called the cervical cancer vaccine, Gardasil, or Cervarix. It was first available only for females but is now also available for guys. By guys, we mean boys and young men 9-26 years old. Have you ever heard of the HPV vaccine before today? <i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)	1 = Yes 0 = No 9 = I don't know [-1 = item not answered] [IF P135=1 CONTINUE TO P145] [IF P135=0,9,-1 SKIP TO P160]
P145	Awareness	Before today, had you heard that the HPV vaccine can be given to guys? <i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)	1 = Yes 0 = No 9 = I don't know [-1 = item not answered] [IF P145=1 CONTINUE TO P150] [IF P145=0,9,-1 SKIP TO P160]

P150	Information sources	<p>Have you ever heard from any of these sources that the HPV vaccine can be given to guys? Check all that apply.</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>1 = Family member 2 = Friend 3 = Doctor, nurse, or other health care provider 4 = My son's school 5 = Commercial or ad from a drug company 6 = None of the above [-1 = item not answered]</p> <p>[Note to programmers: Do not allow other response options if "6=None of the above" is selected]</p>
P155	Information sources	<p>Now think about what you have heard in the media about the HPV vaccine for guys. This does <u>not</u> include commercials or ads.</p> <p>Have you heard about it... (check all that apply)</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>1 = In a newspaper or magazine 2 = On TV or the radio 3 = On the internet 4 = None of the above [-1 = item not answered]</p> <p>[Note to programmers: Do not allow other response options if "4=None of the above" is selected]</p>
P160	Communication	<p>How much have you talked with [name] about the HPV vaccine?</p> <p><i>Modified from</i> (Brewer et al., 2009)</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p> <p>[IF P160=1, -1 SKIP TO P170] [IF P160=2, 3, 4 CONTINUE TO P165]</p>
P165	Communication	<p>Did talking about the HPV vaccine with [name] ever lead to a discussion about sex topics?</p> <p><i>Modified from</i> (Brewer et al., 2009)</p>	<p>1 = Yes 0 = No [-1 = item not answered]</p>
P170	Son ask for vacc	<p>Did [name] ever say he wanted to get the HPV vaccine?</p> <p><i>Modified from</i> (Brewer et al., 2009)</p>	<p>1 = Yes 0 = No [-1 = item not answered]</p>
HPV VACCINATION			
P175	Perceived vaccine effectiveness- genital warts	<p>In your opinion, how much would the HPV vaccine protect [name] against genital warts? If you're not sure, please give us your best guess.</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>

P180	Attitude	<p>The HPV vaccine protects guys from getting some kinds of HPV that can cause genital warts and some cancers.</p> <p>How important is it to you that [name] getting the HPV vaccine could protect him against genital warts and maybe some cancers?</p> <p><i>Modified from</i> (McRee et al., Unpublished manuscript)</p>	<p>[Note to programmers: Do not allow participants to go back to P175 once this question appears]</p> <p>[Note to programmers: Please randomize items P180 through P195]</p> <p>5 = Extremely important 4 = Very important 3 = Fairly important 2 = Slightly important 1 = Not at all important [-1 = item not answered]</p>
P185	Attitude	<p>A guy who gets the HPV vaccine may be less likely to pass HPV to his future girlfriend or wife.</p> <p>How important is it to you that [name] getting the HPV vaccine could protect his future girlfriend or wife against genital warts and maybe some cancers?</p> <p><i>Modified from</i> (McRee et al., Unpublished manuscript)</p>	<p>5 = Extremely important 4 = Very important 3 = Fairly important 2 = Slightly important 1 = Not at all important [-1 = item not answered]</p>
P190	Attitude	<p>A guy who gets the HPV vaccine may be less likely to pass HPV to his future sex partners.</p> <p>How important is it to you that [name] getting the HPV vaccine could protect his future sex partners against genital warts and maybe some cancers?</p> <p><i>Modified from</i> (McRee et al., Unpublished manuscript)</p>	<p>5 = Extremely important 4 = Very important 3 = Fairly important 2 = Slightly important 1 = Not at all important [-1 = item not answered]</p>
P195	Attitude	<p>If most people get the HPV vaccine, it may reduce the spread of HPV in communities.</p> <p>How important is it to you that [name] getting the HPV vaccine could reduce genital warts and some cancers in the community?</p> <p><i>Modified from</i> (McRee et al., Unpublished manuscript)</p>	<p>5 = Extremely important 4 = Very important 3 = Fairly important 2 = Slightly important 1 = Not at all important [-1 = item not answered]</p>

P200	Vaccination Coverage	<p>The HPV vaccine requires 3 shots over six months.</p> <p>Has [name] had any shots of the HPV vaccine?</p> <p>(McRee et al., Unpublished manuscript)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p> <p>[IF P200=1 CONTINUE TO P205] [IF P200=0,9,-1 SKIP TO P235]</p>
P205	Vaccination	<p>How old was [name] when he got his first HPV vaccine shot?</p> <p>(McRee et al., Unpublished manuscript)</p>	<p>[Note to programmers: Do not allow the age reported for this item to be larger than the age reported for P100.]</p> <p>1 = 9 years 2 = 10 years 3 = 11 years 4 = 12 years 5 = 13 years 6 = 14 years 7 = 15 years 8 = 16 years 9 = 17 years [-1 = item not answered]</p>
P210	Vaccination	<p>How many HPV vaccine shots has [name] gotten?</p> <p><i>Modified from</i> (McRee et al., Unpublished manuscript)</p>	<p>1 = 1 2 = 2 3 = 3 4 = At least one shot, but I don't know how many [-1 = item not answered]</p> <p>[IF P210=1 CONTINUE TO P215] [IF P210=2 SKIP TO P220] [IF P210=3,4, -1 SKIP TO P225]</p>
P215	Vaccination Schedule	<p>Did [name] get the HPV shot in the last 4 months (since [month4 day], 2010)?</p> <p>(McRee et al., Unpublished manuscript)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p> <p>[SKIP TO P225]</p>
P220	Vaccination Schedule	<p>Did [name] get his second HPV shot in the last 6 months (since [month6 day], 2010)?</p> <p>(McRee et al., Unpublished manuscript)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p>

P225	Cue to action	<p>What is the main reason you decided to get [name] vaccinated?</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>1 = His doctor said I should 2 = To protect him against cancer 3 = To protect him against genital warts 4 = To protect his future girlfriend or wife's health 5 = Other, please specify: _____ [open ended, Item # P226] [-1 = item not answered]</p>
P230	Paying for vaccine	<p>When [name] got his first dose of the HPV vaccine, how much did you pay out of pocket (not covered by insurance)? Type in any costs not covered by insurance.</p> <p><i>Modified from</i> (Brewer et al., 2009)</p>	<p>1 = We paid nothing, insurance covered all costs. 2 = We paid for some of it and insurance paid the rest. We ended up paying \$_____ out of pocket. [open ended, Item # P231] 3 = We paid for all of it, which was \$_____. Insurance didn't pay for any of it. [open ended, Item # P232] [-1 = item not answered]</p> <p>[Note to programmers: Do not allow dollar amounts larger than \$500 for items P231 and P232]</p> <p>[SKIP TO P260]</p>
P235	Reasons for not vaccinating son	<p>What is the main reason [name] has not gotten any HPV shots?</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>[IF P200=0,9,-1]</p> <p>1 = I never heard of the vaccine 2 = I don't know enough about it yet 3 = I didn't know boys are allowed to get the vaccine 4 = It's too new 5 = It might be unsafe 6 = It costs too much 7 = Boys don't need to get the vaccine 8 = My son is too young 9 = My son is not having sex yet 10 = It might make my son have sex 11 = My son hasn't been to a doctor recently 12 = His doctor didn't recommend getting the vaccine 13 = Other, please specify: _____ [open ended, Item # P236] [-1 = item not answered]</p> <p>[Note to programmers: Rotate response options 1 through 12]</p>

P240	Intentions	<p>Before today, have you thought about getting [name] the HPV vaccine?</p> <p>(Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>[IF P200=0,9,-1]</p> <p>1 = Yes 0 = No [-1 = item not answered]</p>
P245	Intentions	<p>Which of the following best describes how you feel about getting [name] the HPV vaccine in the next year?</p> <p>(Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>[IF P200=0,9,-1]</p> <p>1 = I do want him to get the vaccine 2 = I <u>don't</u> want him to get the vaccine 3 = Undecided [-1 = item not answered]</p>
P250	Willingness	<p>How willing would you be to get the HPV vaccine for [name] if it was free?</p> <p>(McRee et al., Unpublished manuscript)</p>	<p>[IF P200=0,9,-1]</p> <p>5 = Definitely willing 4 = Probably willing 3 = Not sure 2 = Probably not willing 1 = Definitely not willing [-1 = item not answered]</p>
P255	Willingness	<p>How willing would you be to get the HPV vaccine for [name] if it cost \$400 out of pocket?</p> <p>This would be from your own money, not paid for by insurance.</p> <p>(McRee et al., Unpublished manuscript)</p>	<p>[IF P200=0,9,-1]</p> <p>5 = Definitely willing 4 = Probably willing 3 = Not sure 2 = Probably not willing 1 = Definitely not willing [-1 = item not answered]</p>
P260	Attitude	<p>Please tell us how much you agree or disagree with the following statements.</p> <p>The HPV vaccine works best if guys get it before they start having sex.</p> <p><i>Modified from</i> (Brewer et al., 2009)</p>	<p>[Note to programmers: Please rotate items P260 through P300]</p> <p>5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]</p>
P265	Attitude	<p>The HPV vaccine might cause short term problems, like fever or discomfort.</p> <p>(McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)</p>	<p>5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]</p>

P270	Attitude	The HPV vaccine might cause lasting health problems for guys. (McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)	5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]
P275	Attitude	The HPV vaccine is being pushed to make money for drug companies. (McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)	5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]
P280	Attitude	If a teenage boy gets the HPV vaccine, he may be more likely to have sex. (McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)	5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]
P285	Attitude	[Name] is too young to get a vaccine for a sexually transmitted infection like HPV. (McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)	5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]
P290	Attitude	I don't have enough information about the HPV vaccine to decide whether to give it to [name]. (McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)	[IF P200=0,9,-1] 5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]
P295	Attitude	The HPV vaccine is so new that I want to wait awhile before deciding if my son should get it. (McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)	[IF P200=0,9,-1] 5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]

P300	Attitude	Other parents in my community are getting their sons the HPV vaccine. (McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)	5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]
P302	Risk perception	Please tell us how much you agree or disagree with the following statements. If [name] got the HPV vaccine, his girlfriends would think it was safe to take more risks. <i>Modified from</i> (Brabin et al., 2009)	5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]
P303	Risk perception	If [name] got the HPV vaccine, he would think it was safe to take more risks. <i>Modified from</i> (Brabin et al., 2009)	5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]
P305	Vaccine Adverse Events	If [name] got the HPV vaccine, how much pain would you expect him to have?	[IF P200=0,9,-1] 1= No pain 2= Mild pain 3= Moderate pain 4= Severe pain 9= I don't know [-1 = item not answered]
		[Note to Programmers: Insert "HPV Vaccine Advertisement Experiment" items. Please see Survey Appendix A for instructions and items]	
P340	Health care provider	Where does [name] usually go for health care? <i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)	1 = Family doctor or general practitioner 2 = Pediatrician 3 = Emergency room/urgent care facility 4 = Public or community clinic 5 = School clinic 6 = Other _____ [-1 = item now answered]

P342	Health care provider	<p>When was the last time [name] saw his regular health care provider?</p> <p>A regular health care provider knows your son and his health history. This can be a general doctor, a pediatrician, a specialist doctor, a nurse practitioner, or a physician assistant.</p> <p><i>Modified from (McRee et al., Unpublished manuscript)</i></p>	<p>1 = In the last year, ___ months ago [open ended, Item # P343] 0 = More than 1 year ago</p> <p>[Note to programmers: Do not allow values larger than 12 for months]</p> <p>[-1 = item not answered]</p>
P345	Communication	<p>Have you ever talked with [name]'s health care provider about the HPV vaccine?</p> <p><i>Modified from (McRee et al., Unpublished manuscript)</i></p>	<p>1 = Yes 0 = No [-1 = item not answered]</p> <p>[IF P345=1 CONTINUE TO P350] [IF P345=0,-1 SKIP TO P360]</p>
P350	Communication	<p>Has [name]'s health care provider told you that he should get the HPV vaccine?</p> <p><i>Modified from (McRee et al., Unpublished manuscript)</i></p>	<p>[IF P345=1]</p> <p>1 = Yes 0 = No [-1 = item not answered]</p>
P355	Communication	<p>Has [name]'s health care provider told you that he should NOT get the HPV vaccine?</p> <p><i>Modified from (McRee et al., Unpublished manuscript)</i></p>	<p>[IF P345=1]</p> <p>1 = Yes 0 = No [-1 = item not answered]</p>
P360	Perceived Barriers, vacc	<p>Next are some questions about getting [name] the HPV vaccine.</p> <p>How hard was it to find a provider or clinic that could give [name] the HPV vaccine?</p> <p>(McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)</p>	<p>[IF P200=1]</p> <p>1 = Not hard at all 2 = Somewhat hard 3 = Very hard [-1 = item not answered]</p>
P365	Perceived Barriers, vacc	<p>How hard was it to find a provider or clinic where you could afford the HPV vaccine?</p> <p>(McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)</p>	<p>[IF P200=1]</p> <p>1 = Not hard at all 2 = Somewhat hard 3 = Very hard [-1 = item not answered]</p>

P370	Perceived Barriers, no vacc	How hard do you think it would be to find a provider or clinic that could give [name] the HPV vaccine? (McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)	[IF P200=0,9,-1] 1 = Not hard at all 2 = Somewhat hard 3 = Very hard [-1 = item not answered]
P375	Perceived Barriers, no vacc	How hard do you think it would be to find a provider or clinic where you could afford the HPV vaccine? (McRee, Brewer, Reiter, Gottlieb, & Smith, 2010)	[IF P200=0,9,-1] 1 = Not hard at all 2 = Somewhat hard 3 = Very hard [-1 = item not answered]
P380	Worry	Before today, how much did you worry about [name] getting diseases caused by HPV? Just as a reminder, HPV can cause diseases like genital warts and some cancers. <i>Modified from</i> (Reiter, Brewer, McRee, Gilbert & Smith, 2010)	1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]
P385	Perceived likelihood of HPV, son (no vacc)	Without the vaccine, what do you think is the chance that [name] will ever get a disease caused by HPV? <i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)	[IF P200=0,9,-1] 1 = No chance 2 = Low chance 3 = Moderate chance 4 = High chance [-1 = item not answered]
P390	Perceived likelihood of HPV, son (partial/compvacc)	Given that [name] has been vaccinated against HPV, what do you think is the chance that he will ever get a disease caused by HPV? <i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)	[IF P200=1] 1 = No chance 2 = Low chance 3 = Moderate chance 4 = High chance [-1 = item not answered]
P395	Anticipated Regret	Imagine that [name] got the HPV vaccine and it made him faint (pass out). How much would you regret that he GOT the HPV vaccine? <i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)	1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]
P400	Anticipated Regret	Imagine that [name] never got the HPV vaccine. He later got an HPV infection that could lead to health problems. How much would you regret that he did NOT get the HPV vaccine?	1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]

		<i>Modified from</i> (Reiter, Brewer, McRee, Gilbert & Smith, 2010)	
		[Note to Programmers: Insert "Anticipated Regret Experiment" items. Please see Survey Appendix B for instructions and items]	
VACCINE DELIVERY			
P465	Alternate Vaccination Sites	<p>The next questions are about places that might provide the HPV vaccine. Tell us how comfortable you would be getting [name] the HPV vaccine at these places. This is NOT about whether the shots themselves would be painful.</p> <p>If you and [name] decided to get him the HPV vaccine...</p> <p>How comfortable would you be with him getting it at a local pharmacy or drug store if they offered it?</p>	<p>5 = Very comfortable 4 = Somewhat comfortable 3 = Not sure 2 = Somewhat uncomfortable 1 = Very uncomfortable [-1 = item not answered]</p>
P470	Alternate Vaccination Sites	<p>If you and [name] decided to get him the HPV vaccine...</p> <p>What concerns would you have about him getting it at a local pharmacy or drug store? Check all that apply.</p>	<p>1 = Insurance might not cover it 2 = Staff might not be good at giving shots 3 = It's not safe to get shots there 4 = Pharmacies should not provide vaccines 5 = I want his doctor to keep track of his shots and other health history 6 = I'd want to be there when he got it 7 = Getting it there would embarrass him 8 = Other people might find out that he got it 9 = No concerns 10 = Other, please specify: _____ [open ended, Item # P471] [-1 = item not answered]</p> <p>[Note to programmers: Rotate response options 1 through 8. Do not allow other response options if "9=No concerns" is selected]</p>

P475	Alternate Vaccination Sites	<p>If you and [name] decided to get him the HPV vaccine...</p> <p>What benefits do you see of him getting it at a local pharmacy or drug store? Check all that apply.</p>	<p>1 = It would be convenient / I wouldn't have to make a special trip 2 = It would be less expensive 3 = It's safe to get shots there 4 = Staff would be good at giving shots 5 = I would know the people giving him the vaccine 6 = My son would be comfortable getting it there 7 = He could go with his friends to get it 8 = A lot of people would have the chance to get the vaccine 9 = No benefits 10 = Other, please specify: _____ [open ended, Item # P476] [-1 = item not answered]</p> <p>[Note to programmers: Rotate response options 1 through 8. Do not allow other response options if "9=No benefits" is selected]</p>
P440	Son's School	[Name] usually goes to a....	<p>1 = Public school 2 = Private school 3 = Home school 4 = I don't know [-1 = item not answered]</p> <p>[IF P440=1,2,4,-1 CONTINUE TO P445] [IF P440=3 SKIP TO P430]</p>
P445	School-based Provision	Has [name] ever received any vaccines at his school?	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p>
P450	School-based Provision	<p>If you and [name] decided to get him the HPV vaccine...</p> <p>How comfortable would you be with him getting it at his school if they offered it in a nurse's office?</p> <p><i>Modified from (McRee et al., Unpublished manuscript)</i></p>	<p>5 = Very comfortable 4 = Somewhat comfortable 3 = Not sure 2 = Somewhat uncomfortable 1 = Very uncomfortable [-1 = item not answered]</p>

P455	School-based Provision	<p>If you and [name] decided to get him the HPV vaccine...</p> <p>What concerns would you have about him getting it at his school? Check all that apply.</p> <p><i>Modified from (McRee et al., Unpublished manuscript)</i></p>	<p>1 = Insurance might not cover it 2 = Staff might not be good at giving shots 3 = It's not safe to get shots there 4 = The wrong people at the school might get access to his medical records 5 = Schools should not provide vaccines 6 = I want his doctor to keep track of his shots and other health history 7 = I'd want to be there when he got it 8 = Getting it there would embarrass him 9 = Other students might find out that he got it 10 = No concerns 11 = Other, please specify: _____ [open ended, Item # P456] [-1 = item not answered]</p> <p>[Note to programmers: Rotate response options 1 through 9. Do not allow other response options if "10=No concerns" is selected]</p>
P460	School-based Provision	<p>If you and [name] decided to get him the HPV vaccine...</p> <p>What benefits do you see of him getting it at his school? Check all that apply.</p>	<p>1 = It would be convenient / I wouldn't have to make a special trip 2 = It would be less expensive 3 = It's safe to get shots there 4 = Staff would be good at giving shots 5 = I would know the people giving him the vaccine 6 = My son would be comfortable getting it there 7 = He could go with his friends to get it 8 = All students would have the chance to get the vaccine 9 = No benefits 10 = Other, please specify: _____ [open ended, Item # P461] [-1 = item not answered]</p> <p>[Note to programmers: Rotate response options 1 through 8. Do not allow other response options if "9=No benefits" is selected]</p>

P430	Vaccine delivery	<p>If you and [name] decided to get him the HPV vaccine...</p> <p>How comfortable would you be with him getting it at a public or community clinic? This is a clinic where people get medical care at low cost. It's <u>not</u> a private doctor's office.</p>	<p>5 = Very comfortable 4 = Somewhat comfortable 3 = Not sure 2 = Somewhat uncomfortable 1 = Very uncomfortable [-1 = item not answered]</p>
P420	Vaccine delivery	<p>If you and [name] decided to get him the HPV vaccine...</p> <p>How comfortable would you be with him getting it at a doctor's office?</p>	<p>5 = Very comfortable 4 = Somewhat comfortable 3 = Not sure 2 = Somewhat uncomfortable 1 = Very uncomfortable [-1 = item not answered]</p>
P485	Vaccine Delivery Preference	<p>The HPV vaccine requires 3 shots over six months. If you and [name] decided to get him the HPV vaccine at a doctor's office, which of these options would you most prefer?</p> <p><i>Modified from (Dempsey et al., 2009)</i></p>	<p>1 = Brief nurse visits for all 3 shots 2 = Longer doctor visits for all 3 shots that each include other preventive care services (such as a physical exam or counseling) 3 = A longer doctor visit that includes the first shot and other preventive care services, and brief nurse visits for the last 2 shots [-1 = item not answered]</p>
P490	Vaccine Delivery Preference	<p>Suppose you and [name] decided to get him the HPV vaccine...</p> <p>And his doctor recommended he gets other vaccines during the same visit. How willing would you be to get [name] more than one vaccine during the same visit?</p>	<p>5 = Definitely willing 4 = Probably willing 3 = Not sure 2 = Probably not willing 1 = Definitely not willing [-1 = item not answered]</p>
	Default Experiment		<p>[Note to Programmers: Parents will randomly receive 1 of the following 6 items (P506a-P506f).]</p>

P506a	Default Experiment	<p>Imagine that you just moved to a new state and your son is starting at a new school. This school has a school health center where a trained professional gives students basic health care.</p> <p>The school health center offers vaccines that are recommended for students your son's age, such as the seasonal flu vaccine, HPV vaccine, and meningitis vaccine. Imagine your son has not received these recommended vaccines.</p> <p>He will get them at the school health center unless you complete a form saying not to. Your son would therefore currently receive these recommended vaccines at the school health center. What would you do?</p>	<p>0 = Take no action and allow your son to get the recommended vaccines at the school health center 1 = Complete a form stating that you do <u>not</u> want your son to get the recommended vaccines at the school health center</p>
P506b	Default Experiment	<p>Imagine that you just moved to a new state and your son is starting at a new school. This school has a school health center where a trained professional gives students basic health care.</p> <p>The school health center offers vaccines that are recommended for students your son's age, such as the seasonal flu vaccine, HPV vaccine, and meningitis vaccine. Imagine your son has not received these recommended vaccines.</p> <p>He will get them at the school health center if you complete a form saying it is okay. Your son would therefore currently <u>not</u> receive these recommended vaccines at the school health center. What would you do?</p>	<p>0 = Take no action and your son would <u>not</u> get the recommended vaccines at the school health center 1 = Complete a form stating that you want your son to get the recommended vaccines at the school health center</p>

P506c	Default Experiment	<p>Imagine that you just moved to a new state and your son is starting at a new school. This school has a school health center where a trained professional gives students basic health care.</p> <p>The school health center offers vaccines that are recommended for students your son's age, such as the seasonal flu vaccine, HPV vaccine, and meningitis vaccine. Imagine your son has not received these recommended vaccines.</p> <p>You must complete a form saying whether or not you want your son to get these recommended vaccines at the school health center. What would you do?</p>	<p>0 = Complete a form stating that you do <u>not</u> want your son to get the recommended vaccines at the school health center</p> <p>1 = Complete a form stating that you want your son to get the recommended vaccines at the school health center</p>
P506d	Default Experiment	<p>Imagine that you just moved to a new state and your son is starting at a new school. This school has a school health center where a trained professional gives students basic health care.</p> <p>The school health center offers vaccines that are recommended for students your son's age, such as the HPV vaccine. Imagine your son has not received this recommended vaccine.</p> <p>He will get it at the school health center unless you complete a form saying not to. Your son would therefore currently receive the recommended HPV vaccine at the school health center. What would you do?</p>	<p>0 = Take no action and allow your son to get the recommended HPV vaccine at the school health center</p> <p>1 = Complete a form stating that you do <u>not</u> want your son to get the recommended HPV vaccine at the school health center</p>

P506e	Default Experiment	<p>Imagine that you just moved to a new state and your son is starting at a new school. This school has a school health center where a trained professional gives students basic health care.</p> <p>The school health center offers vaccines that are recommended for students your son's age, such as the HPV vaccine. Imagine your son has not received this recommended vaccine.</p> <p>He will get it at the school health center if you complete a form saying it is okay. Your son would therefore currently <u>not</u> receive the recommended HPV vaccine at the school health center. What would you do?</p>	<p>0 = Take no action and your son would <u>not</u> get the recommended HPV vaccine at the school health center</p> <p>1 = Complete a form stating that you want your son to get the recommended HPV vaccine at the school health center</p>
P506f	Default Experiment	<p>Imagine that you just moved to a new state and your son is starting at a new school. This school has a school health center where a trained professional gives students basic health care.</p> <p>The school health center offers vaccines that are recommended for students your son's age, such as the HPV vaccine. Imagine your son has not received this recommended vaccine.</p> <p>You must complete a form saying whether or not you want your son to get the recommended HPV vaccine at the school health center. What would you do?</p>	<p>0 = Complete a form stating that you do <u>not</u> want your son to get the recommended HPV vaccine at the school health center</p> <p>1 = Complete a form stating that you want your son to get the recommended HPV vaccine at the school health center</p>
P510	Health Literacy	<p>How often do you need to have someone help you when you read instructions, pamphlets, or other written material from your doctor or pharmacy?</p> <p>(Morris et al., 2006)</p>	<p>1 = Never 2 = Rarely 3 = Sometimes 4 = Often 5 = Always [-1 = item not answered]</p>
P512	Decision-Making	<p>In your household, who is the main person who makes decisions about [name]'s</p>	<p>1 = You 2 = Your spouse or partner 3 = Your son</p>

		health care? <i>Modified from (Brewer et al., 2009)</i>	4 = Someone else [-1 = item not answered]
MISCELLANEOUS			
P515	Insurance	Does [name] have any form of health insurance? <i>(Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</i>	1 = Yes 0 = No [-1 = item not answered]
P520	Vaccine coverage for son	Do you think [name]'s insurance covers the HPV vaccine? <i>Modified from (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</i>	1 = Yes 0 = No 9 = I don't know [-1 = item not answered]
P525	Awareness	Have you heard that teen boys can get the HPV vaccine for free in some states if their insurance doesn't pay for it? <i>Modified from (Brewer et al., 2009)</i>	1 = Yes 0 = No [-1 = item not answered]
P530	Son's Ethnicity	Is [name] Hispanic or Latino?	1 = Yes 0 = No [-1 = item not answered]
P535	Son's Race	What is [name]'s race or ethnicity? Check all that apply.	1 = White 2 = Black or African American 3 = Asian 4 = Native Hawaiian or Pacific Islander 5 = American Indian or Alaska Native 6 = Other, please specify: [-1 = item not answered]
P537	Tobacco Use	How much would you mind if [name] started smoking cigarettes?	1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]
P540	HPV Vaccination - Family Members	Do you have any daughters aged 9-26?	1 = Yes 0 = No [-1 = item not answered] [IF P540=1 CONTINUE TO P545] [IF P540=0,-1 SKIP TO P550]
P545	HPV Vaccination - Family Members	Have any of your daughters aged 9-26 received the HPV vaccine?	1 = Yes 0 = No 9 = Don't know [-1 = item not answered]

P550	Religion	How important is religion to you? (Pew Research Center for the People and the Press, 2009)	5 = Extremely important 4 = Very important 3 = Fairly important 2 = Slightly important 1 = Not at all important [-1 = item not answered]
P555	Religion	Do you consider yourself a Born- again or evangelical Christian? <i>Modified from</i> (Pew Research Center for the People and the Press, 2009)	1 = Yes 0 = No [-1 = item not answered]
P560	Political leaning	In general, would you say your views in most political matters are... (Pew Research Center for the People and the Press, 2009)	1 = Very conservative 2 = Somewhat conservative 3 = Moderate 4 = Somewhat liberal 5 = Very liberal [-1 = item not answered]
		[Note to Programmers: Insert "Implementation Intentions Experiment" items. Please see Survey Appendix C for instructions and items]	
CLOSING			
P585	Closing Statement	Thank you for taking our survey!	

Survey Appendix A: HPV Vaccine Advertisement Experiment

[Note to programmers: Each parent should randomly receive 1 of the 10 HPV vaccine advertisement images present at the end of this appendix. Each item (P331-P334) should appear on a separate screen, with the same image appearing for items P331-P333. P334 should not have an image present, only the item text. After answering P334, all parents would then continue to item P340.]

P331: Here is an ad for the HPV vaccine.

[Note to programmers: Insert image of ad. We will also need a variable indicating the amount of time each participant spends on this screen.]

Please tell us how much you agree or disagree with the following statements.

I like this ad.

- 4 = Strongly agree
- 3 = Agree
- 2 = Disagree
- 1 = Strongly disagree
- [-1 = item not answered]

[next screen]

P332:

[Note to programmers: Image should appear at top of screen. We will also need a variable indicating the amount of time each participant spends on this screen.]

I trust this ad.

- 4 = Strongly agree
- 3 = Agree
- 2 = Disagree
- 1 = Strongly disagree
- [-1 = item not answered]

[next screen]

P333:

[Note to programmers: Image should appear at top of screen. We will also need a variable indicating the amount of time each participant spends on this screen.]

This ad makes me want to vaccinate my son against HPV.

- 4 = Strongly agree
- 3 = Agree
- 2 = Disagree
- 1 = Strongly disagree
- [-1 = item not answered]

[next screen]

[Note to programmers: Do not allow participants return to the previous page once the screen for item P334 appears]

P334:

[Note to programmers: No image should appear with this item. We will also need a variable indicating the amount of time each participant spends on this screen.]

Do you think the ad on the previous page was from....

1 = A drug company

2 = A government agency

3 = A charity for cancer

4 = An insurance company

[-1 = item not answered]

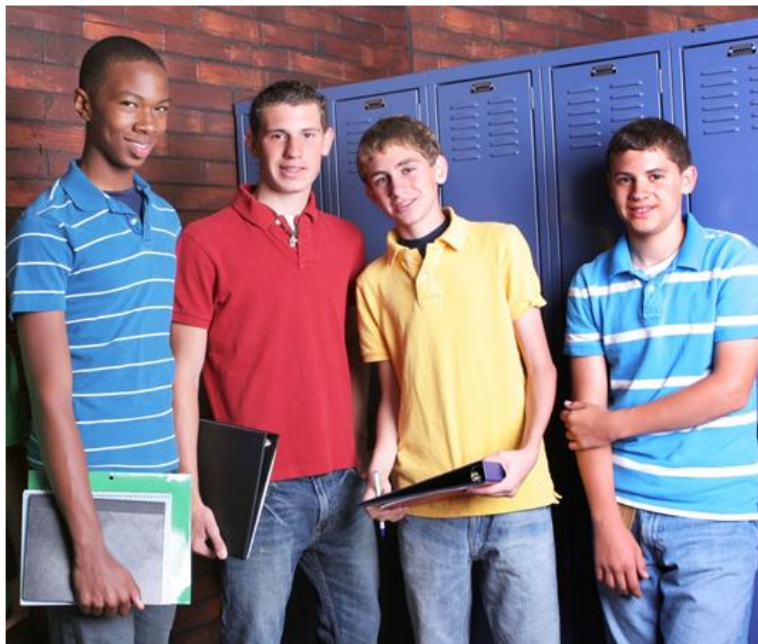
[Note to programmers: Randomize response options 1 through 4 for item P334.]

[CONTINUE TO P340]

Image 1

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**



SELECT SAFETY INFORMATION: Anyone who is allergic to the ingredients of the vaccine should not receive the vaccine. The vaccine may not fully protect everyone against genital warts and does not prevent all types of cancer. The vaccine does not treat cancer or genital warts. Side effects include pain, swelling, itching, and redness at the injection site, fever, nausea, dizziness, vomiting, and fainting. Only a doctor can decide if the vaccine is right for your son.

Image 2

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**



Image 3

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**



SELECT SAFETY INFORMATION: Anyone who is allergic to the ingredients of the vaccine should not receive the vaccine. The vaccine may not fully protect everyone against genital warts and does not prevent all types of cancer. The vaccine does not treat cancer or genital warts. Side effects include pain, swelling, itching, and redness at the injection site, fever, nausea, dizziness, vomiting, and fainting. Only a doctor can decide if the vaccine is right for your son.

Image 4

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**



Image 5

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**



SELECT SAFETY INFORMATION: Anyone who is allergic to the ingredients of the vaccine should not receive the vaccine. The vaccine may not fully protect everyone against genital warts and does not prevent all types of cancer. The vaccine does not treat cancer or genital warts. Side effects include pain, swelling, itching, and redness at the injection site, fever, nausea, dizziness, vomiting, and fainting. Only a doctor can decide if the vaccine is right for your son.

Image 6

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**



Image 7

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**



SELECT SAFETY INFORMATION: Anyone who is allergic to the ingredients of the vaccine should not receive the vaccine. The vaccine may not fully protect everyone against genital warts and does not prevent all types of cancer. The vaccine does not treat cancer or genital warts. Side effects include pain, swelling, itching, and redness at the injection site, fever, nausea, dizziness, vomiting, and fainting. Only a doctor can decide if the vaccine is right for your son.

Image 8

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**



Image 9

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**

SELECT SAFETY INFORMATION: Anyone who is allergic to the ingredients of the vaccine should not receive the vaccine. The vaccine may not fully protect everyone against genital warts and does not prevent all types of cancer. The vaccine does not treat cancer or genital warts. Side effects include pain, swelling, itching, and redness at the injection site, fever, nausea, dizziness, vomiting, and fainting. Only a doctor can decide if the vaccine is right for your son.

Image 10

Vaccinate today.

**Protect him
tomorrow.**



**The HPV vaccine is approved for boys ages 11-18.
Ask your son's doctor about it.**

Survey Appendix B: Anticipated Regret Experiment

[Note to programmers: Parents who indicated P200=1 (son has already received HPV vaccine) are not eligible to receive the below questions, they should skip to item P420.

Of the remaining eligible parents, each parent should randomly receive 1 of the following items (P405-P414). After answering the question, parents would then continue to item P420. All variable names appear in italics below. We will also need the variables in the below table created to help indicate which item a parent received. The information needed to code each item in terms of these variables is included with the item.]

Items modified from (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009) and (Brewer et al., 2009)

Item #	Item	Response Scale
<i>P405</i>	<p>Some people think that getting the HPV vaccine encourages sexual activity at an early age.</p> <p>Imagine that you choose NOT to get [name] the vaccine, but he is more sexually active during his teens anyway.</p> <p>How much would you regret that he did NOT get the vaccine?</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
<i>P406</i>	<p>Some people think that getting the HPV vaccine encourages sexual activity at an early age.</p> <p>Imagine that you choose for [name] to go ahead and GET the vaccine, and he is more sexually active during his teens than he would have been.</p> <p>How much would you regret that he GOT the vaccine?</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>

<p><i>P407</i></p>	<p>The HPV vaccine can cause light-headedness that requires taking it easy for several days.</p> <p>Imagine that you choose NOT to get [name] the vaccine, but he feels light-headed anyway from something else. He has to take it easy for several days after which he is fine.</p> <p>How much would you regret that he did NOT get the vaccine?</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
<p><i>P408</i></p>	<p>The HPV vaccine can cause light-headedness that requires taking it easy for several days.</p> <p>Imagine that you choose for [name] to go ahead and GET the vaccine, and he feels light-headed. He has to take it easy for several days after which he is fine.</p> <p>How much would you regret that he GOT the vaccine?</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
<p><i>P409</i></p>	<p>The HPV vaccine can cause a life-threatening allergic reaction that requires being in the hospital for several days.</p> <p>Imagine that you choose NOT to get [name] the vaccine, but he has a life-threatening allergic reaction anyway from something else. He has to be in the hospital for several days after which he is fine.</p> <p>How much would you regret that he did NOT get the vaccine?</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
<p><i>P410</i></p>	<p>The HPV vaccine can cause a life-threatening allergic reaction that requires being in the hospital for several days.</p> <p>Imagine that you choose for [name] to go ahead and GET the vaccine, and he has a life-threatening allergic reaction. He has to be in the hospital for several days after which he is fine.</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>

	How much would you regret that he GOT the vaccine?	
<i>P411</i>	<p>The HPV vaccine can cause a small mark on the arm that requires using a skin cream for several months.</p> <p>Imagine that you choose NOT to get [name] the vaccine, but he develops a small mark on his arm anyway from something else. He has to use a skin cream for several months after which he is fine.</p> <p>How much would you regret that he did NOT get the vaccine?</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
<i>P412</i>	<p>The HPV vaccine can cause a small mark on the arm that requires using a skin cream for several months.</p> <p>Imagine that you choose for [name] to go ahead and GET the vaccine, and he develops a small mark on his arm. He has to use a skin cream for several months after which he is fine.</p> <p>How much would you regret that he GOT the vaccine?</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
<i>P413</i>	<p>The HPV vaccine can cause life-threatening blood clots that require taking blood thinning medication for several months.</p> <p>Imagine that you choose NOT to get [name] the vaccine, but he develops life-threatening blood clots anyway from something else. He has to take blood thinning medication for several months after which he is fine.</p> <p>How much would you regret that he did NOT get the vaccine?</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
<i>P414</i>	<p>The HPV vaccine can cause life-threatening blood clots that require taking blood thinning medication for several months.</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount</p>

	<p>Imagine that you choose for [name] to go ahead and GET the vaccine, and he develops life-threatening blood clots. He has to take blood thinning medication for several months after which he is fine.</p> <p>How much would you regret that he GOT the vaccine?</p>	<p>4 = A lot [-1 = item not answered]</p>
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Survey Appendix C: Implementation Intentions Experiment

[Note to programmers: Parents who indicated P200=1 (son has already received HPV vaccine) or P245=2 (do not want their sons to get the vaccine in the next year) are not eligible to receive the below questions. These parents can skip to the closing statement of the survey, P585.

Of the remaining eligible parents, half should randomly receive the below questions (experiment group) and half should not receive them (control group, the survey can also skip to the closing statement, P585, for the control group).]

Many people intend to do things, such as get their sons vaccinated, but forget or just “never get around to it.” People who make a specific plan of exactly when, where, and how are more likely to actually do it.

Earlier in the survey you said you might get your son the HPV vaccine. Here’s a chance for you to make a plan to talk to your son’s doctor about it.

[next screen]

Please fill in the blanks below. It may help to know that the CDC recommends that boys your son’s age get the HPV vaccine. It may be free through many health insurance plans and a government program called Vaccines for Children.

By [one month from survey date (with format example: August 15th)], I will make an appointment for me and my son to talk about the HPV vaccine with [*Item P565*: 1=our family doctor, 2=his pediatrician, 3=a health care provider at a public clinic, 4=another health care provider, [-1 = item not answered]].

[next screen]

The best time to have an appointment to talk about the HPV vaccine is in the next _____ weeks [*Item P570*; allow only numerical responses, [-1 = item not answered]].

[next screen]

The best day and time to have an appointment to talk about the HPV vaccine is on a [*Item P575*: 1=Monday, 2=Tuesday, 3=Wednesday, 4=Thursday, 5=Friday, 6=Saturday, 7=Sunday, [-1 = item not answered]] during the [*Item P580*: 1=morning, 2=afternoon, 3=evening, [-1 = item not answered]].

[CONTINUE TO P585]

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