

HPV Immunization in Sons (HIS) Study - Baseline Son 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 adolescent males ages 11-17 years whose parent participated in the accompanying baseline parent survey and provided consent (n=421, response rate=56% among those whose parents responded to their email invitation). Baseline surveys were completed during August and September 2010.

Preferred citation: Reiter, P. L., McRee, A. L., Kadis, J. A., & Brewer, N. T. (2010). HPV Immunization in Sons (HIS) Study: Baseline son survey. Unpublished manuscript.

[...] 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			
S100	Activities	How often do you play sports?	1 = Never 2 = Some days 3 = Most days [-1 = item not answered]
S105	Activities	How often do you get at least 8 hours of sleep at night?	1 = Never 2 = Some nights 3 = Most nights [-1 = item not answered]
S110	Self-Rated Health	In general, how would you rate your health? (Boardman, 2006)	1 = Poor 2 = Fair 3 = Good 4 = Very good 5 = Excellent [-1 = item not answered]
S115	Communication	As kids get older, some talk about vaccines with their parents. How comfortable would you be talking with your mom or dad 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]
S120	Communication	How comfortable would you be talking with your mom or dad 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			
S125	Awareness	<p>The next questions are about human papillomavirus or HPV.</p> <p>Have you heard of HPV before today?</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p> <p>[IF S125=1 CONTINUE TO S130] [IF S125=0,9,-1 SKIP TO S155]</p>
S130	Knowledge	<p>Do you think HPV causes health problems for guys?</p> <p><i>Modified from</i> (Reiter, Brewer, McRee, Gilbert & Smith, 2010)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p>
S135	Knowledge	<p>Do you think HPV infection is rare?</p> <p><i>Modified from</i> (National Cancer Institute, 2005)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p>
S140	Knowledge	<p>Do you think people can get HPV from having sex?</p> <p><i>Modified from</i> (National Cancer Institute, 2005)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p>
S145	Knowledge	<p>Do you think HPV can cause cancer?</p> <p><i>Modified from</i> (National Cancer Institute, 2005)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p>
S150	Knowledge	<p>Do you think HPV can cause genital warts?</p> <p>Genital warts are warts people can get from having sex.</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p>
S155	Informative statement	<p>HPV is a common sexually transmitted infection that sometimes leads to genital warts or cancer.</p>	<p>[Note to programmers: Do not allow participants to go back to items S130-S150 or S125 (depending on skip pattern) once this statement appears]</p>
S160	Awareness	<p>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.</p> <p>Have you ever heard of the HPV vaccine before today?</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p> <p>[IF S160=1 CONTINUE TO S165] [IF S160=0,9,-1 SKIP TO S185]</p>

		<p>[Note to Programmers: For the rest of the survey, the phrase "HPV vaccine" should be hyperlinked the first time it is mentioned in each subsequent question. This does not include response options. The following information should pop up anytime the hyperlink is scrolled over:</p> <p>"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."]</p>	
S165	Perceived knowledge	<p>How much would you say you know about the HPV vaccine?</p> <p><i>Modified from</i> (Reiter, Brewer, McRee, Gilbert & Smith, 2010)</p>	<p>1 = Nothing at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
S170	Awareness	<p>Before today, had you heard that the HPV vaccine can be given to guys?</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p> <p>[IF S170=1 CONTINUE TO S175] [IF S170=0,9,-1 SKIP TO S185]</p>
S175	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 = My mom or dad 2 = My friends 3 = Doctor or nurse 4 = My 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>
S180	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>

S185	Communication	<p>How much have you talked with your mom or dad 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 S185=1, -1 SKIP TO S195] [IF S185=2, 3, 4 CONTINUE TO S190]</p>
S190	Communication	<p>Did talking about the HPV vaccine with your mom or dad 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>
S195	Communication	<p>Do you want to talk with your mom or dad about the HPV vaccine in the future?</p>	<p>1 = Yes 0 = No [-1 = item not answered]</p>
S200	Communication	<p>Have any of your friends talked about the HPV vaccine?</p>	<p>1 = Yes 0 = No [-1 = item not answered]</p>
S205	Information sources	<p>Where would you most want to get info about the HPV vaccine?</p> <p><i>Modified from</i> (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</p>	<p>1 = My mom or dad 2 = My friends 3 = Doctor or nurse 4 = My school 5 = Internet 6 = TV or the radio 7 = Newspaper or magazine 8 = Commercial or ad from a drug company [-1 = item not answered]</p>
HPV VACCINATION			
S210	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 your getting the HPV vaccine could protect you against genital warts and maybe some cancers?</p> <p><i>Modified from</i> (McRee et al., Unpublished manuscript)</p>	<p>[Note to programmers: Please randomize items S210 through S220]</p> <p>5 = Extremely important 4 = Very important 3 = Fairly important 2 = Slightly important 1 = Not at all important [-1 = item not answered]</p>

S215	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 your getting the HPV vaccine could protect your future girlfriend or wife against genital warts and maybe some cancers?</p> <p><i>Modified from (McRee et al., Unpublished manuscript)</i></p>	<p>5 = Extremely important 4 = Very important 3 = Fairly important 2 = Slightly important 1 = Not at all important [-1 = item not answered]</p>
S220	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 your getting the HPV vaccine could reduce genital warts and some cancers in the community?</p> <p><i>Modified from (McRee et al., Unpublished manuscript)</i></p>	<p>5 = Extremely important 4 = Very important 3 = Fairly important 2 = Slightly important 1 = Not at all important [-1 = item not answered]</p>
S225	Vaccination Coverage	<p>The HPV vaccine requires 3 shots over six months.</p> <p>Have you had any shots of the HPV vaccine?</p> <p><i>Modified from (McRee et al., Unpublished manuscript)</i></p>	<p>1 = Yes 0 = No 9 = I don't know [-1 = item not answered]</p> <p>[IF S225=1 SKIP TO S245] [IF S225=0, 9, -1 CONTINUE TO S230]</p>
S230	Intentions	<p>Before today, have you thought about getting the HPV vaccine?</p> <p><i>Modified from (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</i></p>	<p>[IF S225=0,9,-1]</p> <p>1 = Yes 0 = No [-1 = item not answered]</p>
S232	Intentions	<p>Which of the following best describes how you feel about getting the HPV vaccine in the next year?</p> <p><i>Modified from (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</i></p>	<p>[IF S225=0,9,-1]</p> <p>1 = I do want to get the vaccine 2 = I <u>don't</u> want to get the vaccine 3 = Undecided [-1 = item not answered]</p>
S233	Willingness	<p>How willing would you be to get the HPV vaccine?</p> <p>(Reiter, Brewer, McRee, Gilbert & Smith, 2010)</p>	<p>[IF S225=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>

S235	Vaccine Adverse Events	If you got the HPV vaccine, how much pain would you expect to have?	[IF S225=0,9,-1] 1 = No pain 2 = Mild pain 3 = Moderate pain 4 = Severe pain 9 = I don't know [-1 = item not answered]
S240	Perceived likelihood of HPV, son (no vacc)	Without the vaccine, what do you think is the chance that you will ever get a disease caused by HPV? If you're not sure, please give us your best guess. Just as a reminder, HPV can cause diseases like genital warts and some cancers. <i>Modified from (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</i>	[IF S225=0,9,-1] 1 = No chance 2 = Low chance 3 = Moderate chance 4 = High chance [-1 = item not answered] [SKIP TO S250]
S245	Perceived likelihood of HPV, son (partial/compvacc)	Given that you have been vaccinated against HPV, what do you think is the chance that you will ever get a disease caused by HPV? If you're not sure, please give us your best guess. Just as a reminder, HPV can cause diseases like genital warts and some cancers. <i>Modified from (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)</i>	[IF S225=1] 1 = No chance 2 = Low chance 3 = Moderate chance 4 = High chance [-1 = item not answered] [CONTINUE TO S250]
S250	Norms	Please tell us how much you agree or disagree with the following statements. If I got the HPV vaccine..... ...my friends would think it was okay.	5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]
S255	Norms	...girls would be more willing to go on a date with me.	5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]

S260	Risk Perception	<p>...girlfriends would think it was safe to take more risks.</p> <p><i>Modified from (Brabin et al., 2009)</i></p>	<p>[Note to programmers: Ask only if parent indicated son is age 15 or older (P100>4)]</p> <p>5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]</p>
S265	Risk Perception	<p>...I would think it was safe to take more risks.</p> <p><i>Modified from (Brabin et al., 2009)</i></p>	<p>[Note to programmers: Ask only if parent indicated son is age 15 or older (P100>4)]</p> <p>5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]</p>
S270	Attitude	<p>...I would be embarrassed if my friends found out that I got it.</p> <p><i>Modified from (Brabin et al., 2009)</i></p>	<p>5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]</p>
S275	Attitude	<p>...I would be embarrassed if someone I was dating found out that I got it.</p> <p><i>Modified from (Brabin et al., 2009)</i></p>	<p>5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]</p>
S280	Attitude	<p>Please tell us how much you agree or disagree with the following statements.</p> <p>My friends who are guys should get the HPV vaccine.</p>	<p>5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]</p>
S285	Attitude	<p>My friends who are guys think I should get the HPV vaccine.</p>	<p>5 = Strongly agree 4 = Agree 3 = Not sure 2 = Disagree 1 = Strongly disagree [-1 = item not answered]</p>

S290	Anticipated Regret	<p>Imagine that you got the HPV vaccine and it made you faint (pass out). How much would you regret that you GOT the HPV vaccine?</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>
S295	Anticipated Regret	<p>Imagine that you never got the HPV vaccine. You later got an HPV infection that could lead to health problems. How much would you regret that you did NOT get the HPV vaccine?</p> <p><i>Modified from</i> (Reiter, Brewer, McRee, Gilbert & Smith, 2010)</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
VACCINE DELIVERY			
S330	Alternate Vaccination Sites	<p>The next questions are about places that might provide the HPV vaccine. Tell us how comfortable you would be getting the HPV vaccine at these places. This is NOT about whether the shots themselves would be painful.</p> <p>If you and your parents decided to get you the HPV vaccine...</p> <p>How comfortable would you be 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>
S335	Alternate Vaccination Sites	<p>If you and your parents decided to get you the HPV vaccine...</p> <p>What concerns would you have about 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 my doctor to keep track of my shots and other health history 6 = I'd want my mom or dad to be there when I got it 7 = Getting it there would embarrass me 8 = Other people might find out that I got it 9 = No concerns 10 = Other, please specify: _____ [open ended, Item # S336] [-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>

S340	Alternate Vaccination Sites	<p>If you and your parents decided to get you the HPV vaccine...</p> <p>What benefits do you see of 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 me the vaccine 6 = My mom and dad would be comfortable with me getting it there 7 = I could go with my 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 # S341] [-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>
S315	School-based Provision	<p>If you and your parents decided to get you the HPV vaccine...</p> <p>How comfortable would you be getting it at your 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 6 = I am home schooled [-1 = item not answered]</p> <p>[IF S315=1,2,3,4,5,-1, CONTINUE TO S320] [IF S315=6 SKIP TO S310]</p>

S320	School-based Provision	<p>If you and your parents decided to get you the HPV vaccine...</p> <p>What concerns would you have about getting it at your 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 my medical records 5 = Schools should not provide vaccines 6 = I want my doctor to keep track of my shots and other health history 7 = I'd want my mom or dad to be there when I got it 8 = Getting it there would embarrass me 9 = Other students might find out that I got it 10 = No concerns 11 = Other, please specify: _____ [open ended, Item # S321] [-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>
S325	School-based Provision	<p>If you and your parents decided to get you the HPV vaccine...</p> <p>What benefits do you see of getting it at your 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 me the vaccine 6 = My mom and dad would be comfortable with me getting there 7 = I could go with my 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 # S326] [-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>

S310	Vaccine delivery	<p>If you and your parents decided to get you the HPV vaccine...</p> <p>How comfortable would you be 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>
S300	Vaccine delivery	<p>If you and your parents decided to get you the HPV vaccine...</p> <p>How comfortable would you be 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>
S350	Vaccine Delivery Preference	<p>The HPV vaccine requires 3 shots over six months. If you and your parents decided to get you 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>
S355	Vaccine Delivery Preference	<p>Suppose you and your parents decided to get you the HPV vaccine...</p> <p>And your doctor recommended you get other vaccines during the same visit. How willing would you be to get 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>
TOBACCO USE			
S357	Tobacco Use	<p>The next few questions are about cigarettes and smoking.</p> <p>How much would your mom or dad mind if you started smoking cigarettes?</p>	<p>1 = Not at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</p>
		<p>[Note to Programmers: Insert "Cigarette Pack Labeling Experiment" items. Please see Survey Appendix D for instructions and items]</p>	
CLOSING			
S410	Closing Statement	Thank you for completing this survey.	

Survey Appendix D: Cigarette Pack Labeling Experiment

Items S380, S385, S395, and S400 modified from (Tzeng et al., 2010)

[Note to programmers: Randomly assign participants to receive 1 of 4 images (included at end of this appendix). All participants continue to closing statement, item S410, after completing the below questions.]

S360: Here is a label from a cigarette pack. Please look at it carefully.

[Note to programmers: Insert image of cigarette pack label. The image should only appear with item S360, not with subsequent items. We will also need a variable indicating the amount of time each participant spends on this screen.]

How much does this label discourage you from wanting to smoke cigarettes?

- 1 = Not at all
- 2 = A little bit
- 3 = Somewhat
- 4 = Quite a bit
- 5 = Very much
- [-1 = item not answered]

[next screen]

S365: If one of your best friends were to offer you a cigarette would you smoke it?

- 1 = Definitely yes
- 2 = Probably yes
- 3 = Probably not
- 4 = Definitely not
- [-1 = item not answered]

[next screen]

S370: Do you think you will smoke a cigarette in the next year?

- 1 = Definitely yes
- 2 = Probably yes
- 3 = Probably not
- 4 = Definitely not
- [-1 = item not answered]

[next screen]

S375: How often do you smoke now?

- 1 = Never, I am not a smoker
- 2 = Less than once a month
- 3 = At least once a month
- 4 = At least once a week
- 5 = At least once a day
- [-1 = item not answered]

[next screen]

[Note to programmers: Rotate addiction and lung cancer sections]

[Addiction section]

[Note to programmers: Randomize order of items S380-S390]

S380: If you started smoking more than once a week, what do you think the chances really are that you would eventually become addicted? Tell us what you think is true for you, setting aside what an expert might say.

- 1 = Almost no chance
- 2 = Low chance
- 3 = Moderate chance
- 4 = High chance
- 5 = Almost certain
- [-1 = item not answered]

[next screen]

S385: If you started smoking more than once a week, what do you think an expert would say are the chances that you would eventually become addicted?

- 1 = Almost no chance
- 2 = Low chance
- 3 = Moderate chance
- 4 = High chance
- 5 = Almost certain
- [-1 = item not answered]

[next screen]

S390: How easy or hard is it to imagine being addicted to cigarettes?

- 1 = Very easy
- 2 = Sort of easy
- 3 = Sort of hard
- 4 = Very hard
- [-1 = item not answered]

[next screen]

[Lung cancer section]

[Note to programmers: Randomize order of items S395-S405]

S395: If you started smoking more than once a week, what do you think the chances really are that you would eventually develop lung cancer? Tell us what you think is true for you, setting aside what an expert might say.

- 1 = Almost no chance
- 2 = Low chance
- 3 = Moderate chance
- 4 = High chance
- 5 = Almost certain

[-1 = item not answered]

[next screen]

S400: If you started smoking more than once a week, what do you think an expert would say are the chances that you would eventually develop lung cancer?

1 = Almost no chance

2 = Low chance

3 = Moderate chance

4 = High chance

5 = Almost certain

[-1 = item not answered]

[next screen]

S405: How easy or hard is it to imagine having lung cancer?

1 = Very easy

2 = Sort of easy

3 = Sort of hard

4 = Very hard

[-1 = item not answered]

[CONTINUE TO S410]

Image 1



Image 3



Image 2



Image 4



References

- Boardman, J.D. Self-rated health among U.S. adolescents. (2006). *J Adolesc Health*, 38(4): 401-408.
- Brabin, L., Roberts, S. A., Stretch, R., Baxter, D., Elton, P., Kitchener, H., McCann, R. (2009). A survey of adolescent experiences of human papillomavirus vaccination in the Manchester study. *Br J Cancer*, 101(9): 1502-1504.
- Brewer, N. T., Gottlieb, S., Reiter, P. L., McRee, A. L., Liddon, N., Markowitz, L., et al. (2009). *Longitudinal Predictors of HPV Vaccine Uptake*. Paper presented at the American Public Health Association 137th Annual Meeting and Exposition, Philadelphia, PA.
- Dempsey, A. F., Singer, D., Clark, S. J., Davis, M.M. (2009). Parents' views on 3 shot-related visits: implications for use of adolescent vaccines like human papillomavirus vaccine. *Acad Pediatr*, 9(5): 348-352.
- McRee, A.L., Gottlieb, S. L., Reiter, P. L., Dittus, P. D. & Brewer, N.T. UNC mother-daughter communication survey. Unpublished manuscript.
- National Cancer Institute. (2005). HINTS: Health information national trend survey. Available at: <http://hints.cancer.gov/questions/section.jsp?section=Cancer+Perceptions+and+Knowledge>.
- Reiter, P. L., Brewer, N. T., Gottlieb, S. L., McRee, A. L., & Smith, J. S. (2009). Parents' health beliefs and HPV vaccination of their adolescent daughters. *Soc Sci Med*, 69(3): 475-480.
- Reiter, P.L., Brewer, N. T., McRee, A. L., Gilbert, P., Smith, J.S. (2010). Acceptability of HPV vaccine among a national sample of gay and bisexual men. *Sex Transm Dis*, 37(3): 197-203.
- Tzeng, J.P., Mayer, D., Richman, A.R., Lipkus, I., Han, P.K., Valle, C.G., Carey, L.A., Brewer, N.T. (2010). Women's experiences with genomic testing for breast cancer recurrence risk. *Cancer*, 116(8): 1992-2000.