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.


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

<table>
<thead>
<tr>
<th>Item #</th>
<th>Construct</th>
<th>Item</th>
<th>Response Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>INTRODUCTION</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 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] |
<table>
<thead>
<tr>
<th>S125</th>
<th>Awareness</th>
<th>The next questions are about human papillomavirus or HPV. Have you heard of HPV before today?</th>
<th>1 = Yes 0 = No 9 = I don’t know [-1 = item not answered]</th>
<th>[IF S125=1 CONTINUE TO S130] [IF S125=0,9,-1 SKIP TO S155]</th>
</tr>
</thead>
<tbody>
<tr>
<td>S130</td>
<td>Knowledge</td>
<td>Do you think HPV causes health problems for guys?</td>
<td>1 = Yes 0 = No 9 = I don’t know [-1 = item not answered]</td>
<td></td>
</tr>
<tr>
<td>S135</td>
<td>Knowledge</td>
<td>Do you think HPV infection is rare?</td>
<td>1 = Yes 0 = No 9 = I don’t know [-1 = item not answered]</td>
<td></td>
</tr>
<tr>
<td>S140</td>
<td>Knowledge</td>
<td>Do you think people can get HPV from having sex?</td>
<td>1 = Yes 0 = No 9 = I don’t know [-1 = item not answered]</td>
<td></td>
</tr>
<tr>
<td>S145</td>
<td>Knowledge</td>
<td>Do you think HPV can cause cancer?</td>
<td>1 = Yes 0 = No 9 = I don’t know [-1 = item not answered]</td>
<td></td>
</tr>
<tr>
<td>S150</td>
<td>Knowledge</td>
<td>Do you think HPV can cause genital warts? Genital warts are warts people can get from having sex.</td>
<td>1 = Yes 0 = No 9 = I don’t know [-1 = item not answered]</td>
<td></td>
</tr>
<tr>
<td>S155</td>
<td>Informative statement</td>
<td>HPV is a common sexually transmitted infection that sometimes leads to genital warts or cancer.</td>
<td>[Note to programmers: Do not allow participants to go back to items S130-S150 or S125 (depending on skip pattern) once this statement appears]</td>
<td></td>
</tr>
<tr>
<td>S160</td>
<td>Awareness</td>
<td>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?</td>
<td>1 = Yes 0 = No 9 = I don’t know [-1 = item not answered]</td>
<td>[IF S160=1 CONTINUE TO S165] [IF S160=0,9,-1 SKIP TO S185]</td>
</tr>
<tr>
<td>Question</td>
<td>Description</td>
<td>Options</td>
<td>Notes</td>
<td></td>
</tr>
<tr>
<td>----------</td>
<td>-------------</td>
<td>---------</td>
<td>-------</td>
<td></td>
</tr>
<tr>
<td>S165</td>
<td>Perceived knowledge</td>
<td>How much would you say you know about the HPV vaccine?</td>
<td>1 = Nothing at all 2 = A little 3 = A moderate amount 4 = A lot [-1 = item not answered]</td>
<td></td>
</tr>
<tr>
<td>S170</td>
<td>Awareness</td>
<td>Before today, had you heard that the HPV vaccine can be given to guys?</td>
<td>1 = Yes 0 = No 9 = I don’t know [-1 = item not answered]</td>
<td></td>
</tr>
<tr>
<td>S175</td>
<td>Information sources</td>
<td>Have you ever heard from any of these sources that the HPV vaccine can be given to guys? Check all that apply.</td>
<td>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]</td>
<td></td>
</tr>
<tr>
<td>S180</td>
<td>Information sources</td>
<td>Now think about what you have heard in the media about the HPV vaccine for guys. This does not include commercials or ads. Have you heard about it… (check all that apply)</td>
<td>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]</td>
<td></td>
</tr>
</tbody>
</table>

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:

"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."

[Note to programmers: Do not allow other response options if "6=None of the above" is selected]
| S185  | Communication | How much have you talked with your mom or dad about the HPV vaccine? | 1 = Not at all  
2 = A little  
3 = A moderate amount  
4 = A lot  
[-1 = item not answered]  

[IF S185=1, -1 SKIP TO S195]  
[IF S185=2, 3, 4 CONTINUE TO S190]  

| S190  | Communication | Did talking about the HPV vaccine with your mom or dad ever lead to a discussion about sex topics? | 1 = Yes  
0 = No  
[-1 = item not answered]  

| S195  | Communication | Do you want to talk with your mom or dad about the HPV vaccine in the future? | 1 = Yes  
0 = No  
[-1 = item not answered]  

| S200  | Communication | Have any of your friends talked about the HPV vaccine? | 1 = Yes  
0 = No  
[-1 = item not answered]  

| S205  | Information sources | Where would you most want to get info about the HPV vaccine? | 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]  

**HPV VACCINATION**

| S210  | Attitude | The HPV vaccine protects guys from getting some kinds of HPV that can cause genital warts and some cancers. How important is it to you that your getting the HPV vaccine could protect you against genital warts and maybe some cancers? | 5 = Extremely important  
4 = Very important  
3 = Fairly important  
2 = Slightly important  
1 = Not at all important  
[-1 = item not answered]  

*Modified from (Brewer et al., 2009)*

*Modified from (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)*

*Modified from (McRee et al., Unpublished manuscript)*

*Note to programmers: Please randomize items S210 through S220*
| S215 | Attitude | A guy who gets the HPV vaccine may be less likely to pass HPV to his future girlfriend or wife. 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? |
| S220 | Attitude | If most people get the HPV vaccine, it may reduce the spread of HPV in communities. How important is it to you that your getting the HPV vaccine could reduce genital warts and some cancers in the community? |
| S225 | Vaccination Coverage | The HPV vaccine requires 3 shots over six months. Have you had any shots of the HPV vaccine? |
| S230 | Intentions | Before today, have you thought about getting the HPV vaccine? |
| S232 | Intentions | Which of the following best describes how you feel about getting the HPV vaccine in the next year? |
| S233 | Willingness | How willing would you be to get the HPV vaccine? |
| 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. | [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. | [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] |
<table>
<thead>
<tr>
<th>Question</th>
<th>Type</th>
<th>Text</th>
<th>Modified from (Brabin et al., 2009)</th>
<th>Note to programmers: Ask only if parent indicated son is age 15 or older (P100&gt;4)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S260</td>
<td>Risk Perception</td>
<td>...girlfriends would think it was safe to take more risks.</td>
<td>5 = Strongly agree &lt;br&gt;4 = Agree &lt;br&gt;3 = Not sure &lt;br&gt;2 = Disagree &lt;br&gt;1 = Strongly disagree &lt;br&gt;-1 = item not answered</td>
<td></td>
</tr>
<tr>
<td>S265</td>
<td>Risk Perception</td>
<td>...I would think it was safe to take more risks.</td>
<td>5 = Strongly agree &lt;br&gt;4 = Agree &lt;br&gt;3 = Not sure &lt;br&gt;2 = Disagree &lt;br&gt;1 = Strongly disagree &lt;br&gt;-1 = item not answered</td>
<td></td>
</tr>
<tr>
<td>S270</td>
<td>Attitude</td>
<td>...I would be embarrassed if my friends found out that I got it.</td>
<td>5 = Strongly agree &lt;br&gt;4 = Agree &lt;br&gt;3 = Not sure &lt;br&gt;2 = Disagree &lt;br&gt;1 = Strongly disagree &lt;br&gt;-1 = item not answered</td>
<td></td>
</tr>
<tr>
<td>S275</td>
<td>Attitude</td>
<td>...I would be embarrassed if someone I was dating found out that I got it.</td>
<td>5 = Strongly agree &lt;br&gt;4 = Agree &lt;br&gt;3 = Not sure &lt;br&gt;2 = Disagree &lt;br&gt;1 = Strongly disagree &lt;br&gt;-1 = item not answered</td>
<td></td>
</tr>
<tr>
<td>S280</td>
<td>Attitude</td>
<td>Please tell us how much you agree or disagree with the following statements.</td>
<td>5 = Strongly agree &lt;br&gt;4 = Agree &lt;br&gt;3 = Not sure &lt;br&gt;2 = Disagree &lt;br&gt;1 = Strongly disagree &lt;br&gt;-1 = item not answered</td>
<td></td>
</tr>
<tr>
<td>S285</td>
<td>Attitude</td>
<td>My friends who are guys think I should get the HPV vaccine.</td>
<td>5 = Strongly agree &lt;br&gt;4 = Agree &lt;br&gt;3 = Not sure &lt;br&gt;2 = Disagree &lt;br&gt;1 = Strongly disagree &lt;br&gt;-1 = item not answered</td>
<td></td>
</tr>
</tbody>
</table>
| S290 | Anticipated Regret | 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?  
*Modified from (Reiter, Brewer, Gottlieb, McRee, & Smith, 2009)* | 1 = Not at all  
2 = A little  
3 = A moderate amount  
4 = A lot  
[-1 = item not answered] |
|---|---|---|---|
| S295 | Anticipated Regret | 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?  
*Modified from (Reiter, Brewer, McRee, Gilbert & Smith, 2010)* | 1 = Not at all  
2 = A little  
3 = A moderate amount  
4 = A lot  
[-1 = item not answered] |
| **VACCINE DELIVERY** | **Alternate Vaccination Sites** | 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.  
If you and your parents decided to get you the HPV vaccine…  
How comfortable would you be getting it at a local pharmacy or drug store if they offered it?  
5 = Very comfortable  
4 = Somewhat comfortable  
3 = Not sure  
2 = Somewhat uncomfortable  
1 = Very uncomfortable  
[-1 = item not answered] |
| S330 | Alternate Vaccination Sites | If you and your parents decided to get you the HPV vaccine…  
What concerns would you have about getting it at a local pharmacy or drug store? Check all that apply.  
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>| S335 | Alternate Vaccination Sites | [Note to programmers: Rotate response options 1 through 8. Do not allow other response options if &quot;9=No concerns&quot; is selected] |</p>
<table>
<thead>
<tr>
<th>Question Number</th>
<th>Description</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>S340</td>
<td>Alternate Vaccination Sites</td>
<td>What benefits do you see of getting it at a local pharmacy or drug store? Check all that apply.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 = It would be convenient / I wouldn't have to make a special trip</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 = It would be less expensive</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 = It's safe to get shots there</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 = Staff would be good at giving shots</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 = I would know the people giving me the vaccine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 = My mom and dad would be comfortable with me getting it there</td>
</tr>
<tr>
<td></td>
<td></td>
<td>7 = I could go with my friends to get it</td>
</tr>
<tr>
<td></td>
<td></td>
<td>8 = A lot of people would have the chance to get the vaccine</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9 = No benefits</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 = Other, please specify: [open ended, Item # S341] [-1 = item not answered]</td>
</tr>
<tr>
<td>S315</td>
<td>School-based Provision</td>
<td>How comfortable would you be getting it at your school if they offered it in a nurse's office?</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 = Very comfortable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 = Somewhat comfortable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 = Not sure</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 = Somewhat uncomfortable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1 = Very uncomfortable</td>
</tr>
<tr>
<td></td>
<td></td>
<td>6 = I am home schooled [-1 = item not answered]</td>
</tr>
<tr>
<td></td>
<td></td>
<td>[IF S315=1,2,3,4,5,-1, CONTINUE TO S320] [IF S315=6 SKIP TO S310]</td>
</tr>
</tbody>
</table>

*Modified from (McRee et al., Unpublished manuscript)*
| S320 | School-based Provision | If you and your parents decided to get you the HPV vaccine…

What concerns would you have about getting it at your school? Check all that apply.

*Modified from (McRee et al., Unpublished manuscript)* |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = Insurance might not cover it</td>
<td>2 = Staff might not be good at giving shots</td>
<td>3 = It's not safe to get shots there</td>
</tr>
<tr>
<td>4 = The wrong people at the school might get access to my medical records</td>
<td>5 = Schools should not provide vaccines</td>
<td>6 = I want my doctor to keep track of my shots and other health history</td>
</tr>
<tr>
<td>7 = I'd want my mom or dad to be there when I got it</td>
<td>8 = Getting it there would embarrass me</td>
<td>9 = Other students might find out that I got it</td>
</tr>
<tr>
<td>10 = No concerns</td>
<td>11 = Other, please specify: _______</td>
<td>12 = Open ended, Item #</td>
</tr>
<tr>
<td>[-1 = item not answered]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Note to programmers: Rotate response options 1 through 9. Do not allow other response options if "10=No concerns" is selected]

| S325 | School-based Provision | If you and your parents decided to get you the HPV vaccine…

What benefits do you see of getting it at your school? Check all that apply. |
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1 = It would be convenient / I wouldn't have to make a special trip</td>
<td>2 = It would be less expensive</td>
<td>3 = It's safe to get shots there</td>
</tr>
<tr>
<td>4 = Staff would be good at giving shots</td>
<td>5 = I would know the people giving me the vaccine</td>
<td>6 = My mom and dad would be comfortable with me getting there</td>
</tr>
<tr>
<td>7 = I could go with my friends to get it</td>
<td>8 = All students would have the chance to get the vaccine</td>
<td>9 = No benefits</td>
</tr>
<tr>
<td>10 = Other, please specify: _______</td>
<td>11 = Open ended, Item #</td>
<td></td>
</tr>
<tr>
<td>[-1 = item not answered]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

[Note to programmers: Rotate response options 1 through 8. Do not allow other response options if "9=No benefits" is selected]
| S310 | Vaccine delivery | If you and your parents decided to get you the HPV vaccine…  
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 not a private doctor’s office. | 5 = Very comfortable  
4 = Somewhat comfortable  
3 = Not sure  
2 = Somewhat uncomfortable  
1 = Very uncomfortable  
-1 = item not answered |
|-------|-----------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| S300 | Vaccine delivery | If you and your parents decided to get you the HPV vaccine…  
How comfortable would you be getting it at a doctor's office? | 5 = Very comfortable  
4 = Somewhat comfortable  
3 = Not sure  
2 = Somewhat uncomfortable  
1 = Very uncomfortable  
-1 = item not answered |
| S350 | Vaccine Delivery Preference | 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?  
*Modified from (Dempsey et al., 2009)* | 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 |
| S355 | Vaccine Delivery Preference | Suppose you and your parents decided to get you the HPV vaccine…  
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? | 5 = Definitely willing  
4 = Probably willing  
3 = Not sure  
2 = Probably not willing  
1 = Definitely not willing  
-1 = item not answered |
| TOBACCO USE | | The next few questions are about cigarettes and smoking.  
How much would your mom or dad mind if you started smoking cigarettes? | 1 = Not at all  
2 = A little  
3 = A moderate amount  
4 = A lot  
-1 = item not answered |
| S357 | Tobacco Use | [Note to Programmers: Insert "Cigarette Pack Labeling Experiment" items. Please see Survey Appendix D for instructions and items] |
| CLOSING | | 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]
Addiction section

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]

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]

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]

Lung cancer section

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
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]

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]
Smoking is highly addictive

Smoking causes fatal lung cancer
References


