**Person County Pilot Study on HPV Vaccination (2006)**

This study was conducted with women (n=146) in two healthcare facilities in Person County (a rural area of North Carolina) from April-May, 2006.

**Preferred citation:**

***NOTE:*** Please consider using the CHIME Wave 1 survey (conducted during 2007) rather than items from this study. The CHIME survey had more extensive pilot testing and consultations with CDC experts.

---

**UNC Family Health Study**

This survey is about several health topics important to women and their families. Remember, there are no right or wrong answers to these questions. We would like to know what you think about these important topics.

Please answer all questions. If you prefer not to answer an item, you should cross it out. If you are unsure of your answer, please give us your best guess.

A1. How would you describe your current health?

- □ Poor  □ Fair  □ Good  □ Excellent

---

**Vaccination**

Tell us whether you agree or disagree with each of the following statements.

<table>
<thead>
<tr>
<th>A2. Vaccines are necessary to prevent certain diseases.</th>
<th>Strongly Disagree</th>
<th>Slightly Disagree</th>
<th>Neither Agree nor Disagree</th>
<th>Slightly Agree</th>
<th>Strongly Agree</th>
</tr>
</thead>
</table>

| A3. Vaccines cause dangerous side effects. | □ Slightly Disagree | □ Neither Agree nor Disagree | □ Slightly Agree |

<p>| A4. The body already naturally protects itself against the diseases that vaccines are used for. | □ Neither Agree nor Disagree | □ Slightly Agree | □ Strongly Agree |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>A5. Vaccines enhance the body’s ability to protect itself from illness.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>A6. Vaccines cause people to get sick.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>A7. I am concerned that vaccines are given to prevent diseases that are not serious.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>A8. Vaccines are effective in preventing disease.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>A9. I am concerned that vaccines are given to prevent diseases that children are unlikely to get.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>A10. Vaccines are important to protect children’s health.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>A11. I am concerned about the safety of routine childhood vaccines.</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>
Personal Health

B1. A Pap smear is a test for cancer of the cervix. How long has it been since you had your last Pap smear?
☐ 0 to 12 months
☐ 13 to 24 months
☐ 25 to 36 months
☐ Longer ago than 36 months
☐ Never had one

B2. If you have ever had a Pap smear, how many times have you had an abnormal Pap smear result?
☐ Never  ☐ Once  ☐ Twice  ☐ Three or more times  ☐ Does not apply

B3. Has a doctor or other medical professional ever told you that you had **genital warts**?
☐ No  ☐ Yes  ☐ Don't know

B4. Has a doctor or other medical professional ever told you that you had **cervical cancer**?
☐ No  ☐ Yes  ☐ Don't know

B5. Has a doctor or other medical professional ever told you that you have **HPV (human papilloma virus)**?
☐ No  ☐ Yes  ☐ Don't know

Cervical Cancer

C1. Let’s assume you maintain the same lifestyle and health behaviors you currently engage in. What is the chance that you will get cervical cancer in the future?
☐ No chance  ☐ Low  ☐ Moderate  ☐ High  ☐ Certain

C2. How serious an illness do you think cervical cancer is?
☐ Not at all  ☐ A little  ☐ Moderately  ☐ Very  ☐ Extremely
Imagine that a doctor told you that you have cervical cancer. For each question, circle the number that best reflects your views about cervical cancer.

C3. How much would having cervical cancer affect your life?

<table>
<thead>
<tr>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>No effect at all</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Severe effect on my life</td>
</tr>
</tbody>
</table>

C4. How long do you think your cervical cancer would last?

<table>
<thead>
<tr>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>A very short time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Forever</td>
</tr>
</tbody>
</table>

C5. How much control would you have over your cervical cancer?

<table>
<thead>
<tr>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absolutely no control</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Extreme amount of control</td>
</tr>
</tbody>
</table>

C6. How much do you think treatment could help your cervical cancer?

<table>
<thead>
<tr>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not at all helpful</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Extremely</td>
</tr>
</tbody>
</table>

C7. How much would you experience symptoms from having cervical cancer?

<table>
<thead>
<tr>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>No symptoms at all</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Many severe symptoms</td>
</tr>
</tbody>
</table>

C8. How concerned would you be about having cervical cancer?

<table>
<thead>
<tr>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not at all concerned</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Extremely concerned</td>
</tr>
</tbody>
</table>

C9. How well would you understand your cervical cancer?

<table>
<thead>
<tr>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Don’t understand at all</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Understand very clearly</td>
</tr>
</tbody>
</table>

C10. How much would having cervical cancer affect you emotionally? (for example, does it make you angry, scared, upset or depressed?)

<table>
<thead>
<tr>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not at affected emotionally</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Extremely affected emotionally</td>
</tr>
</tbody>
</table>

If you had cervical cancer, what are the three things most likely to have caused it?

C11._____________________________________(Most likely)
C12._____________________________________(Second most likely)
C13._____________________________________(Third most likely)
The next questions are about human papilloma virus, also known as HPV.

D1. Have you ever heard of HPV (human papilloma virus)?
   - No
   - Yes
   - Don't know

Please read each statement below and mark whether it is true or false. This is not a quiz. We just want to know your opinion.

<table>
<thead>
<tr>
<th>Statement</th>
<th>True</th>
<th>False</th>
<th>Don't Know</th>
</tr>
</thead>
<tbody>
<tr>
<td>D2. HPV (human papilloma virus) is the virus that causes herpes.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D3. Genital warts are caused by some types of HPV.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D4. HPV is the virus that can cause cervical cancer.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D5. The best way to prevent disease caused by HPV is to have regular Pap smears performed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D6. If a woman’s Pap smear is normal she doesn’t have HPV.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D7. Changes in a Pap smear may indicate that a woman has HPV.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D8. Genital warts are caused by the herpes virus.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D9. HPV can cause cancer.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D10. Pap smears will almost always detect HPV if a woman has it.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D11. HPV can be passed from the mother to baby during birth.</td>
<td></td>
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</tbody>
</table>

D12. The symptoms of HPV include… (Check ALL that apply)
   - Warts that sometimes itch or bleed
   - Sores on the penis or vagina that don't heal
   - Discharge from genitals (watery, yellow, white discharge)
   - Warty growths
   - Burning upon urination
   - Reduction of urine flow
   - No visible signs or symptoms
   - Don't know/never heard of it
In case you have not heard of HPV, it is a sexually transmitted infection. Some common types of HPV lead to cervical cancer.

D15. Do you think that you have ever been infected with one of the types of HPV that cause cancer?

☐ No ☐ Yes ☐ Don't know

D16. Let’s assume you maintain the same lifestyle and health behaviors you currently engage in. What is the chance that you will be infected with a cancer causing type of HPV in the future?

☐ No chance ☐ Low ☐ Moderate ☐ High ☐ Certain

D17. If you became infected with a cancer causing type of HPV, how serious a threat to your health would it be?

☐ No threat ☐ Very low ☐ Low ☐ Moderate ☐ High ☐ Very high
There is a new vaccine that prevents HPV infection with two cancer causing types of HPV. 7 out of 10 cervical cancer cases can be prevented if people use this vaccine.

E1. Have you heard of the HPV vaccine before today?
   □ No    □ Yes    □ Don't know

E2. What is the most you would pay out of pocket to get vaccinated against HPV? This is from your own money, not paid by insurance.
   □ Nothing
   □ $1-19
   □ $20-49
   □ $50-99
   □ $100-199
   □ $200-299
   □ $300-399
   □ $400 or more, how much? _______________________

E3. How likely would you be to get the HPV vaccine when it becomes available? Assume the vaccine is free.
   □ Very unlikely □ Unlikely □ Neither unlikely nor likely □ Likely □ Very likely

E4. How likely would you be to get the HPV vaccine if it prevented cervical cancer? Assume the vaccine is free.
   □ Very unlikely □ Unlikely □ Neither unlikely nor likely □ Likely □ Very likely

E5. How likely would you be to get the HPV vaccine if it prevented genital warts? Assume the vaccine is free.
   □ Very unlikely □ Unlikely □ Neither unlikely nor likely □ Likely □ Very likely

E6. How effective do you think the HPV vaccine is in preventing HPV infection?
   □ Not at all □ Slightly □ Moderately □ Very □ Extremely

E7. How effective do you think the HPV vaccine is in preventing cervical cancer?
   □ Not at all □ Slightly □ Moderately □ Very □ Extremely

E8. What would be the best age to give a person the HPV vaccine?
   □ 0-2
   □ 3-10
   □ 11-16
   □ 17-25
   □ 25+
Please tell us how much you agree or disagree with the following statements.

E9. The HPV vaccine may have serious side effects. □ □ □ □ □
E10. The HPV vaccine is safe. □ □ □ □ □
E11. The vaccine will prevent children from getting HPV. □ □ □ □ □
E12. The HPV vaccine can prevent cervical cancer. □ □ □ □ □
E13. The vaccine can cure HPV infection. □ □ □ □ □
E14. If an adolescent girl received the HPV vaccine, she may be more likely to have sex. □ □ □ □ □
E15. Adolescent girls should be vaccinated against HPV. □ □ □ □ □
E16. Adolescent boys should be vaccinated against HPV. □ □ □ □ □

**Health Information**

F1. I would like more information about HPV.
   □ Strongly disagree □ Disagree □ Neither disagree nor agree □ Agree □ Strongly agree

F2. I would like more information about the HPV vaccine.
   □ Strongly disagree □ Disagree □ Neither disagree nor agree □ Agree □ Strongly agree

How much attention do you pay to information about health and medical topics…

F3. … on the television? □ □ □ □ □
F4. … on the radio? □ □ □ □ □
F5. … in the newspaper? □ □ □ □ □
F6. … in magazines? □ □ □ □ □
F7. … on the Internet? □ □ □ □ □

F8. Imagine you had a strong need to get information about cancer. Where would you go first? Check ONLY one.
F9. Imagine you had a strong need to get information about the HPV vaccine. Where would you go first? Check ONLY one.

- Books
- Brochures, pamphlets etc.
- Family Friend/Coworker
- Health Care Provider (e.g. Doctor)
- Library
- Internet
- Magazine
- Newspaper
- Radio
- Telephone information (1-800-NUMBER)
- Television
- Cancer Organization

F10. Overall how confident are you that you could get advice or information about the HPV vaccine from your health care provider if you needed it?

- Not at all
- A little
- Some
- A lot
- Don't know
You’re almost done! Remember, there are no right or wrong answers to these questions. We would like to know what you think about these important topics.

Your Daughter's Health

The next questions are about adolescent daughters. If you do not have a daughter, please answer these questions as if you do. If she is not an adolescent (11-16), imagine her being this age.

G1. What is the chance that your adolescent daughter will get **cervical cancer** in the future?
   - □ No chance
   - □ Low
   - □ Moderate
   - □ High
   - □ Certain

G2. If she had **cervical cancer**, how serious a threat to her health would it be?
   - □ No threat
   - □ Very low
   - □ Low
   - □ Moderate
   - □ High
   - □ Very high

G3. What is the chance that your adolescent daughter will be infected with **HPV** in her lifetime?
   - □ No chance
   - □ Low
   - □ Moderate
   - □ High
   - □ Certain

G4. If your adolescent daughter were infected with **HPV**, how serious a threat to her health would it be?
   - □ No threat
   - □ Very low
   - □ Low
   - □ Moderate
   - □ High
   - □ Very high

Vaccinating your Daughter

When the new HPV vaccine is approved for public use, it will probably be recommended for adolescent girls between ages 11 and 16.

Please answer the next questions thinking about your adolescent daughter. If you do not have a daughter, please answer these questions as if you do. If she is not an adolescent (11-16), imagine her being this age.

H1. What is the most you would pay out of pocket to get your adolescent daughter vaccinated against **HPV**? This is from your own money, not paid by insurance.
   - □ Nothing
   - □ $1-19
   - □ $20-49
   - □ $50-99
   - □ $100-199
   - □ $200-299
   - □ $300-399
   - □ $400 or more
H2. How likely would you be to vaccinate your adolescent daughter against HPV when it becomes available? Assume the vaccine is free.

☐ Very unlikely ☐ Unlikely ☐ Neither unlikely nor likely ☐ Likely ☐ Very likely

H3. Imagine that the vaccine requires three shots. How likely would you be to get your adolescent daughter vaccinated, return 1 month later for the second shot and then return 6 months later for the third shot?

☐ Very unlikely ☐ Unlikely ☐ Neither unlikely nor likely ☐ Likely ☐ Very likely

H4. Imagine that the vaccine requires three shots. How likely would you be to get your adolescent daughter vaccinated, return 2 months later for a second shot and then return 6 months later for the third shot?

☐ Very unlikely ☐ Unlikely ☐ Neither unlikely nor likely ☐ Likely ☐ Very likely

H5. How likely would you be to vaccinate your adolescent daughter against HPV if it prevented cervical cancer? Assume the vaccine is free.

☐ Very unlikely ☐ Unlikely ☐ Neither unlikely nor likely ☐ Likely ☐ Very likely

H6. How likely would you be to vaccinate your adolescent daughter against HPV if it prevented genital warts? Assume the vaccine is free.

☐ Very unlikely ☐ Unlikely ☐ Neither unlikely nor likely ☐ Likely ☐ Very likely

H7. Who is the best person to give an HPV vaccination to an adolescent daughter?

Please check ONLY one.

☐ Family doctor or general practitioner
☐ Doctor who specializes in children’s health (pediatrician)
☐ Doctor who specializes in women’s health (OB/GYN)
☐ Nurse or physician assistant
☐ Community health worker trained to give vaccinations
☐ None of the above

H8. Who is the second best person to give an HPV vaccination to an adolescent daughter?

Please check ONLY one.

☐ Family doctor or general practitioner
☐ Doctor who specializes in children’s health (pediatrician)
☐ Doctor who specializes in women’s health (OB/GYN)
☐ Nurse or physician assistant
☐ Community health worker trained to give vaccinations
☐ None of the above
H9. Where would you prefer the vaccine to be given to an adolescent daughter?

Please check ONLY one.

☐ Public clinic  
☐ Private doctor’s office  
☐ Her school  
☐ Other preference (please specify) ____________________________

☐ I have no opinion.

How much would the following things discourage or encourage you to get your adolescent daughter vaccinated against HPV?

<table>
<thead>
<tr>
<th>Item</th>
<th>Discourage a lot</th>
<th>Discourage a little</th>
<th>No Effect</th>
<th>Encourage a little</th>
<th>Encourage a lot</th>
</tr>
</thead>
<tbody>
<tr>
<td>H10. Doctor’s recommendation</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>H11. Receiving a reminder (postcard, call)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>H12. Ease of getting to the place offering the vaccination</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>H13. Low cost of the vaccine</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>H14. Free or paid for by insurance</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>H15. Highly effective in preventing HPV infection</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>H16. Vaccine has side effects</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>H17. Others (please specify)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Background Information**

Z1. What is your age? __________

Z2. Are you Hispanic or Latina?

☐ No  ☐ Yes

Z3. What is your race?

☐ Asian  
☐ Black or African American  
☐ American Indian or Alaska Native  
☐ Native Hawaiian or Pacific Islander  
☐ White or Caucasian  
☐ Other, please specify _______________
Z4. What is your marital status?

☐ Married or living as married  ☐ Separated
☐ Divorced  ☐ Never married
☐ Widowed

Z5. How many children do you have? _________

Z6. Please list the age and sex of each child, including adult children.

Age _______  ☐ Female  ☐ Male
Age _______  ☐ Female  ☐ Male
Age _______  ☐ Female  ☐ Male
Age _______  ☐ Female  ☐ Male
Age _______  ☐ Female  ☐ Male
Age _______  ☐ Female  ☐ Male
Age _______  ☐ Female  ☐ Male
Age _______  ☐ Female  ☐ Male
Age _______  ☐ Female  ☐ Male
Age _______  ☐ Female  ☐ Male

Z7. What is the highest grade in school you completed?

☐ Less than high school  ☐ Technical or professional degree
☐ Some high school  ☐ College degree
☐ High school/GED equivalence  ☐ Some graduate school
☐ Some college  ☐ Advanced degree (Masters, PhD, MD, JD)
☐ Associate’s degree

Z8. What type of health insurance coverage do you have?

Check ALL that apply.

☐ None
☐ Medicaid
☐ Medicare
☐ Managed care plan (such as HMO, PPO)
☐ Commercial insurance (such as Blue Cross/Blue Shield)
☐ Other, specify______________________________________________

Z9. Do you currently work for pay?

☐ Yes  ☐ No

Z10. Without giving exact dollars, how would you describe your household’s financial situation right now?

☐ After paying the bills, you still have enough money for special things that you want.
☐ You have enough money to pay the bills, but little spare money to buy extra or special things.
☐ You have money to pay the bills, but only because you have cut back on things.
☐ You are having difficulty paying the bills, no matter what you do.
Is there anything else that you wanted to tell us that we did not ask about? If so, please tell us about it below.

Thank you for helping us with the study!
References
