English Questionnaire

The survey you are about to do is about your attitudes about the Human Papillomavirus (HPV) vaccine. This survey can be completed regardless of whether or not you have ever received the vaccine. Please respond as honestly as possible.

The Human Papillomavirus (HPV) is a virus that is responsible for a variety of genital infections. It is also the primary cause of cervical cancer, which is one of the most common types of cancer in women worldwide. The Papanicolaou test, more commonly known as a Pap test or a Pap smear, is used to detect cervical abnormalities and pre-cancerous or cancerous lesions.

1) Are you female or male?
   Female
   Male (Will be redirected to the thank you page of the survey)

2) Have you been vaccinated with at least 1 dose of an HPV vaccine?
   Yes (Will be directed to the next question)
   No (Will be directed to Question 16)

3) How many doses of the HPV vaccine have you had?
   1
   2
   3
   4 or more
   I’m not sure

Section 1a: Attitude about HPV vaccines and getting the HPV vaccine

In this section, you will be asked about your opinions of the HPV vaccine. Though some of the questions may seem similar, please answer each of them. The questions in this section are mostly based on a 1 to 7 rating scale. For each statement, indicate the number on the scale that you think best reflects your opinion or belief.

4) To me, getting vaccinated against HPV was…
   Beneficial 1 2 3 4 5 6 7 Harmful
   Undesirable 1 2 3 4 5 6 7 Desirable
   Good 1 2 3 4 5 6 7 Bad
   Worthless 1 2 3 4 5 6 7 Useful
   Effective 1 2 3 4 5 6 7 Ineffective

5) Getting the HPV vaccine has decreased my risk of getting genital warts.
   Extremely likely 1 2 3 4 5 6 7 Extremely unlikely

6) Decreasing my risk of getting genital warts is…
   Beneficial 1 2 3 4 5 6 7 Harmful
   Undesirable 1 2 3 4 5 6 7 Desirable
   Good 1 2 3 4 5 6 7 Bad
7) Getting the HPV vaccine has decreased my risk of getting cervical cancer.
   Extremely likely 1 2 3 4 5 6 7  Extremely unlikely

8) Decreasing my risk of getting cervical cancer is...
   Beneficial 1 2 3 4 5 6 7  Harmful
   Undesirable 1 2 3 4 5 6 7  Desirable
   Good 1 2 3 4 5 6 7  Bad

9) Getting the HPV vaccine has decreased my need for cervical cancer screening in the future.
   Extremely likely 1 2 3 4 5 6 7  Extremely unlikely

10) Cervical cancer screening is...
    Beneficial 1 2 3 4 5 6 7  Harmful
    Undesirable 1 2 3 4 5 6 7  Desirable
    Good 1 2 3 4 5 6 7  Bad

11) Vaccinating all eligible girls/women against HPV, if they are not sexually active is...
    Beneficial 1 2 3 4 5 6 7  Harmful
    Undesirable 1 2 3 4 5 6 7  Desirable
    Good 1 2 3 4 5 6 7  Bad
    Important 1 2 3 4 5 6 7  Unimportant

12) Vaccinating all eligible girls/women against HPV, if they are sexually active is...
    Beneficial 1 2 3 4 5 6 7  Harmful
    Undesirable 1 2 3 4 5 6 7  Desirable
    Good 1 2 3 4 5 6 7  Bad
    Important 1 2 3 4 5 6 7  Unimportant

13) I intend to finish my HPV vaccine series
    □ Yes, as per the vaccine schedule
    □ Yes, but it will take longer than the scheduled time frame
    □ I have already gotten all my vaccine doses
    □ No (Reason:______________)

14) Please indicate the extent to which you agree or disagree with the following statements.
    a) Getting the HPV vaccine has changed my intentions to get cervical cancer screening
       Strongly Agree 1 2 3 4 5  Strongly Disagree
    b) I intend to get cervical cancer screening in the future
       Strongly Agree 1 2 3 4 5  Strongly Disagree
    c) HPV vaccination has not affected my decision about cervical cancer screening
       Strongly Agree 1 2 3 4 5  Strongly Disagree
**Section 2a: Motivations and Barriers**

*In this section we would like to ask you about what influenced your decision to get the HPV vaccine.*

15) If you HAVE had at least one dose of the HPV vaccine, how influential each of the following factors was in making your decision:

<table>
<thead>
<tr>
<th>Factor</th>
<th>Very Influential</th>
<th>Somewhat Influential</th>
<th>Neutral</th>
<th>Not Very Influential</th>
<th>Not At All Influential</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>My doctor recommended it</td>
<td></td>
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<tr>
<td>I saw advertisement(s) for it</td>
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<tr>
<td>My friend(s) got the vaccine or were going to get it</td>
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<tr>
<td>I think I am susceptible to HPV infection</td>
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<tr>
<td>There is a history of cervical abnormalities in my family</td>
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<tr>
<td>I know someone who has/had cervical cancer</td>
<td></td>
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<tr>
<td>My parents recommended it</td>
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</tr>
<tr>
<td>My friend(s) recommended it</td>
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<tr>
<td>It was covered by my health insurance</td>
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<tr>
<td>It was offered to me through my school (elementary, middle or high school)</td>
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<tr>
<td>Most girls/women my age were getting the vaccine</td>
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</tbody>
</table>

16) If you HAVE had at least one dose of the HPV vaccine, indicate the extent to which the following potential benefits to HPV vaccination influenced your decision to get the vaccine:

<table>
<thead>
<tr>
<th>Benefit</th>
<th>Very Influential</th>
<th>Somewhat Influential</th>
<th>Neutral</th>
<th>Not Very Influential</th>
<th>Not At All Influential</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>It may protect me against HPV infection</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>It may protect me from getting genital warts</td>
<td></td>
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<tr>
<td>It may protect me from developing cervical cancer</td>
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</tbody>
</table>

[Will be directed to section 3]
Section 1b: Attitude about HPV vaccines and getting the HPV vaccine

In this section, you will be asked about your opinions of the HPV vaccine. Though some of the questions may seem similar, please answer each of them. The questions in this section are mostly based on a 1 to 7 rating scale. For each statement, indicate the number on the scale that you think best reflects your opinion or belief.

17) To me, getting vaccinated against HPV would be…
   - Beneficial: 1 2 3 4 5 6 7
   - Undesirable: 1 2 3 4 5 6 7
   - Good: 1 2 3 4 5 6 7
   - Worthless: 1 2 3 4 5 6 7
   - Effective: 1 2 3 4 5 6 7

18) Getting the HPV vaccine will decrease my risk of getting genital warts.
   - Extremely likely: 1 2 3 4 5 6 7
   - Extremely unlikely

19) Decreasing my risk of getting genital warts is…
   - Beneficial: 1 2 3 4 5 6 7
   - Undesirable: 1 2 3 4 5 6 7
   - Good: 1 2 3 4 5 6 7

20) Getting the HPV vaccine will decrease my risk of getting cervical cancer.
   - Extremely likely: 1 2 3 4 5 6 7
   - Extremely unlikely

21) Decreasing my risk of getting cervical cancer is…
   - Beneficial: 1 2 3 4 5 6 7
   - Undesirable: 1 2 3 4 5 6 7
   - Good: 1 2 3 4 5 6 7

22) Getting the HPV vaccine will decrease my need for cervical cancer screening in the future.
   - Extremely likely: 1 2 3 4 5 6 7
   - Extremely unlikely

23) Cervical cancer screening is…
   - Beneficial: 1 2 3 4 5 6 7
   - Undesirable: 1 2 3 4 5 6 7
   - Good: 1 2 3 4 5 6 7

24) Vaccinating all eligible girls/women against HPV, if they are not sexually active is…
   - Beneficial: 1 2 3 4 5 6 7
   - Undesirable: 1 2 3 4 5 6 7
   - Good: 1 2 3 4 5 6 7
   - Important: 1 2 3 4 5 6 7
25) Vaccinating all eligible girls/women against HPV, if they are sexually active is…

- Beneficial 1 2 3 4 5 6 7 Harmful
- Undesirable 1 2 3 4 5 6 7 Desirable
- Good 1 2 3 4 5 6 7 Bad
- Important 1 2 3 4 5 6 7 Unimportant

26) Please indicate the extent to which you agree or disagree with the following statements.

a) I intend to get the HPV vaccine in the next 12 months
   Strongly Agree 1 2 3 4 5 Strongly Disagree

b) I do not intend to get the HPV vaccine
   Strongly Agree 1 2 3 4 5 Strongly Disagree

c) I plan on getting the HPV vaccine at some point
   Strongly Agree 1 2 3 4 5 Strongly Disagree

27) Please indicate the extent to which you agree or disagree with the following statements.

a) Getting the HPV vaccine would change my intentions to get cervical cancer screening
   Strongly Agree 1 2 3 4 5 Strongly Disagree

b) I intend to get cervical cancer screening in the future
   Strongly Agree 1 2 3 4 5 Strongly Disagree

c) HPV vaccination would not affect my decision about cervical cancer screening
   Strongly Agree 1 2 3 4 5 Strongly Disagree
Section 2b: Motivations and Barriers

In this section we would like to ask you about what has influenced your decision to not get the HPV vaccine.

28) If you have NOT had at least one dose of the HPV vaccine, indicate how influential each of the following factors was in making your decision:

<table>
<thead>
<tr>
<th>Motivation</th>
<th>Very Influential</th>
<th>Somewhat Influential</th>
<th>Neutral</th>
<th>Not Very Influential</th>
<th>Not At All Influential</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>I have not heard of the vaccine</td>
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<tr>
<td>I don’t know where the vaccine is offered</td>
<td>Very Influential</td>
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<tr>
<td>The vaccine costs too much</td>
<td>Very Influential</td>
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<tr>
<td>The vaccine is not covered by my health insurance</td>
<td>Very Influential</td>
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<tr>
<td>I’m in a monogamous relationship and therefore don’t need the vaccine</td>
<td>Very Influential</td>
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<tr>
<td>I’m not currently having sex and therefore don’t need the vaccine</td>
<td>Very Influential</td>
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<td>My parents don’t want me to get the vaccine</td>
<td>Very Influential</td>
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<td>I don’t know enough about the vaccine</td>
<td>Very Influential</td>
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<tr>
<td>I don’t know enough about the vaccine’s potential side effects</td>
<td>Very Influential</td>
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<td>I don’t know if the vaccine works</td>
<td>Very Influential</td>
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<td>I am concerned that the vaccine will hurt</td>
<td>Very Influential</td>
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<tr>
<td>I already have HPV</td>
<td>Very Influential</td>
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</tbody>
</table>
29) If you have NOT yet had at least one dose of the HPV vaccine, indicate how influential each of the following factors would be in making your decision to receive the HPV vaccine.

<table>
<thead>
<tr>
<th>Factor</th>
<th>Very Influential</th>
<th>Somewhat Influential</th>
<th>Neutral</th>
<th>Not Very Influential</th>
<th>Not At All Influential</th>
<th>N/A</th>
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<tbody>
<tr>
<td>My doctor recommended it</td>
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<td>My friend(s) got the vaccine or were going to get it</td>
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<td>My friend(s) recommended it</td>
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<tr>
<td>It was free or covered by my health insurance</td>
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<tr>
<td>It was offered to me through my school (elementary, middle or high school)</td>
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<tr>
<td>Vaccine cost</td>
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<tr>
<td>Most girls/women my age were getting the vaccine</td>
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<tr>
<td>It may protect me against HPV infection</td>
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<td>It may protect me from getting genital warts</td>
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</tbody>
</table>

30) If your health insurance did not cover it, what is the most you would be willing to pay for the HPV vaccine series?

- $0
- More than $0, but less than or equal to $100
- $200
- $300
- $400
- Greater than or equal to $500
- I would not get the vaccine
Section 3: Vaccine Acceptability and Safe Sex practices

In this section we would like to know how this vaccine could alter your future health and safe sex practices.

31) Getting the HPV vaccine has/would make me less likely to get regular Pap smears.
   - Strongly Agree
   - Agree
   - Neutral
   - Disagree
   - Strongly Disagree

32) Assuming that you have had or were going to get the HPV vaccine, please indicate the extent to which you agree or disagree with the following statements about safe sex behaviours.
Complete the statement:
“After getting vaccinated against HPV ________________________________”

<table>
<thead>
<tr>
<th>I think that condom use during sex is less necessary</th>
<th>Strongly Agree</th>
<th>Agree</th>
<th>Neutral</th>
<th>Disagree</th>
<th>Strongly Disagree</th>
</tr>
</thead>
<tbody>
<tr>
<td>I feel it is still just as important to have as few sexual partners as possible</td>
<td>Strongly Agree</td>
<td>Agree</td>
<td>Neutral</td>
<td>Disagree</td>
<td>Strongly Disagree</td>
</tr>
<tr>
<td>I feel that it is not as important to talk to my sex partners about safe sex</td>
<td>Strongly Agree</td>
<td>Agree</td>
<td>Neutral</td>
<td>Disagree</td>
<td>Strongly Disagree</td>
</tr>
<tr>
<td>I think it is still as important to use a condom everytime I have sex</td>
<td>Strongly Agree</td>
<td>Agree</td>
<td>Neutral</td>
<td>Disagree</td>
<td>Strongly Disagree</td>
</tr>
<tr>
<td>I will be less worried about having unprotected sex</td>
<td>Strongly Agree</td>
<td>Agree</td>
<td>Neutral</td>
<td>Disagree</td>
<td>Strongly Disagree</td>
</tr>
</tbody>
</table>

33) Has/would receiving the HPV vaccine affect how often you would use a form of birth control or contraception during sex, compared to before you received the vaccine?
   - Yes, I would use it more frequently
   - Yes, I would use it less frequently
   - No, I would not change the frequency with which I used birth control/contraception methods
   - Don’t know
   - N/A
Section 4: Knowledge of HPV and Cervical Cancer

There are 2 different HPV vaccines available to women. These vaccines, Gardasil® and Cervarix® both provide protection against the most common strains of HPV that cause cervical cancer. Gardasil® also provides protection against some additional types of HPV that cause genital warts but not cancer.

In this section, we would like to know how familiar you are with HPV and cervical cancer facts.

34) Indicate whether you think each of the following statements about HPV is true or false.

<table>
<thead>
<tr>
<th>Statement</th>
<th>True</th>
<th>False</th>
</tr>
</thead>
<tbody>
<tr>
<td>HPV is primarily sexually transmitted</td>
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<tr>
<td>HPV is the most common STI (sexually transmitted infection)</td>
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<tr>
<td>HPV only affects women</td>
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<tr>
<td>Most people infected with HPV do not show any signs or symptoms of infections</td>
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<td></td>
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<tr>
<td>HPV vaccination is only effective if you are not sexually active</td>
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</tr>
<tr>
<td>The highest rate of HPV infection is in adults &lt;25 years of age</td>
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<tr>
<td>HPV infection can lead to cervical cancer</td>
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<tr>
<td>3 HPV vaccine doses are required to have the fullest protection</td>
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<td></td>
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<tr>
<td>At least 1 in 2 women is diagnosed with HPV in her lifetime</td>
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</tr>
<tr>
<td>HPV vaccination protects you from all HPV-related infections</td>
<td></td>
<td></td>
</tr>
<tr>
<td>The most common sign of HPV infection is genital warts</td>
<td></td>
<td></td>
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<tr>
<td>HPV vaccination is only effective for women</td>
<td></td>
<td></td>
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<tr>
<td>HPV infection has been associated with several types of cancer</td>
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<td></td>
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<tr>
<td>There are 2 HPV strains that account for 70% of cervical cancers</td>
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<tr>
<td>HPV is the only proven cause of cervical cancer</td>
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<tr>
<td>Pap tests are unnecessary if women are vaccinated against HPV</td>
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</tr>
</tbody>
</table>

35) Before today, were you aware that there are vaccines available that can help prevent cervical cancer and other HPV-related infections?
   - Yes
   - No

36) Before today, were you aware that there were 2 different vaccines available against HPV?
   - Yes
   - No
Section 5: Demographics

In this final section, we would like to know some background information.

37) Which Faculty are you in?
   - Arts
   - Science
   - Engineering
   - Health Sciences
   - Other (please specify)

38) How old are you?
   - Less than 18 years
   - 18 years
   - 19 years
   - 20 years
   - 21 years
   - 22 years
   - 23 years
   - 24 years
   - 25 years
   - More than 25 years

39) You may belong to one or more racial or cultural groups on the following list. What are your ethnic or cultural origins? (Check all that apply):
   - White
   - South Asian (e.g. East Indian, Pakistani, Sri Lankan etc)
   - Chinese
   - Black
   - Filipino
   - Latin American
   - Arab
   - South-east Asian (e.g. Vietnamese, Cambodian, Malaysian, Laotian, etc)
   - West Asian (e.g. Iranian, Afghani, etc)
   - Korean
   - Japanese
   - Aboriginal (includes First Nation/Inuit/Métis)
   - Other (please specify)

40) Prior to starting at the University of Ottawa, where did you live?
   - Alberta
   - British Columbia
   - Manitoba
   - New Brunswick
   - Newfoundland and Labrador
   - Nova Scotia
Ontario
Prince Edward Island
Quebec
Saskatchewan
Northwest Territory
Nunavut
Yukon
Other country (please specify)_____________________

41) Please select the answer that best corresponds to your current health insurance plan, in addition to provincial healthcare (OHIP, RAMQ).
   I am covered by my parent(s) or guardian’s health insurance plan
   I am covered by the university’s health insurance plan
   I have my own private health insurance plan
   I am covered by my spouse’s health insurance plan
   I do not have a health insurance plan

42) Have you ever had sex (oral, vaginal, or anal) with a male partner?
   Yes
   No

43) Have you ever had a Pap smear?
   Yes, more than once
   Yes, once
   No
   Don’t know

44) Have you ever had an abnormal Pap smear?
   Yes
   No
   Don’t know

45) Are you up to date on your regular vaccines (i.e. have you had your booster shots)?
   Yes
   No
   Don’t know

46) Are you currently using some form of birth control/contraception?
   Yes
   No
47) Have you ever been told by a healthcare professional that you had an HPV infection?
   Yes
   No
   Don’t know

48) Have you ever been told by a healthcare professional that you had an STI (sexually transmitted infection) other than HPV?
   Yes
   No
   Don’t know

49) Were you born in Canada?
   Yes
   No