Schwendener et al, HPV Vaccine Awareness, Knowledge, and Information Sources among Youth in Switzerland: A Mixed Methods Study: Supplementary Material 1 – HPV Vaccination Questionnaire

Hello, this is [interviewer name]. Could I speak with [participant name], please? As planned, I am calling to interview you as part of our study about vaccination decision-making.

I would first like to verify some details.

1. Could you please tell me your birth date?
2. What is the sex of [participant name]?
   a. Boy
   b. Girl
   c. Intersex
   d. Doesn’t want to disclose
3. Is Dr. [provider name] your doctor?
4. Do you live with your parents, or somewhere else?
   a. Lives with parent(s)
   b. Doesn’t live with parents
   c. Doesn’t want to disclose
   d. Missing
      ➔ If a continue with question 5.
      ➔ If b continue with question 12.
      ➔ If c,d continue with question 13.
5. To start off, I would like to know how many people normally live in your parents’ household, yourself included. Please include your family, but also any tenants, au pairs, students, or other people who live in your home at least 4 days a week.
6. Could you please tell me about the people who live in your home, yourself included?
7. First yourself [person 1], what is your age?
8. Sex of person 1
   a. Male
   b. Female
   c. Other/ nod disclosed
   d. Missing
9. Person 2, age
10. Person 2, sex
    a. Male
    b. Female
    c. Other/ not disclosed
    d. Missing
11. How is [second person] related to you?
    If male:
    a. Father
    b. Stepfather
    c. Father/mother’s partner
    d. Stepbrother
e. Grandfather
f. Uncle, cousin
g. Other relative
h. Not a relative
i. Doesn't want to disclose
j. Doesn't know
k. Missing

If female:
a. Mother
b. Stepmother
c. Mother/ father’s partner
d. Sister or half-sister
e. Grandmother
f. Aunt, cousin
g. Other relative
h. Not a relative
i. Doesn’t want to disclose
j. Doesn’t know
k. Missing

12. How many persons lived in your parent’s household at the time before you moved out (yourself included)?

Now I would like to ask some questions about your thoughts and experiences with vaccination.

13. Have you ever delayed getting a vaccine for reasons other than illness or allergy?
   a. Yes
   b. No
   c. Doesn’t want to disclose
   d. Doesn’t know
   e. Missing

14. Have you ever skipped a vaccine for reasons other than illness or allergy?
   a. Yes
   b. No
   c. Doesn’t want to disclose
   d. Doesn’t know
   e. Missing

15. On a scale from 0 to 10, with 0 being not sure at all and 10 being completely sure, How sure are you that following the recommended vaccine schedule is a good idea for you?
   ➔ If question 15 is unclear, continue with question 16. Otherwise continue with question 17.

16. I will rephrase the question: On a scale from 0 to 10, with 0 being not sure at all and 10 being completely sure, how sure are you that it is a good idea to vaccinate you with the vaccines recommended by the Federal Office of Public Health?
Do you agree or disagree with the following statements:

17. We get more vaccines than are good for us.
   a. Strongly agree
   b. Agree
   c. Not sure
   d. Disagree
   e. Strongly disagree
   f. Doesn’t want to disclose
   g. Missing

18. I believe that many of the illnesses that vaccines prevent are severe.
   a. Strongly agree
   b. Agree
   c. Not sure
   d. Disagree
   e. Strongly disagree
   f. Doesn’t want to disclose
   g. Missing

19. It is better to develop immunity by getting sick than to get a vaccine.
   a. Strongly agree
   b. Agree
   c. Not sure
   d. Disagree
   e. Strongly disagree
   f. Doesn’t want to disclose
   g. Missing

20. It’s better to get fewer vaccines at the same time.
   a. Strongly agree
   b. Agree
   c. Not sure
   d. Disagree
   e. Strongly disagree
   f. Doesn’t want to disclose
   g. Missing

21. How concerned are you that you might have a serious side effect from a vaccine?
   a. Not at all concerned
   b. Not too concerned
   c. Not sure
   d. Somewhat concerned
   e. Very concerned
   f. Doesn’t want to disclose
   g. Missing

22. How concerned are you that one of the vaccines might not be safe?
   a. Not at all concerned
   b. Not too concerned
23. How concerned are you that a vaccine might not prevent disease?
   a. Not at all concerned
   b. Not too concerned
   c. Not sure
   d. Somewhat concerned
   e. Very concerned
   f. Doesn’t want to disclose
   g. Missing

24. Overall, how hesitant about vaccines would you consider yourself to be?
   a. Not at all hesitant
   b. Not too hesitant
   c. Not sure
   d. Somewhat hesitant
   e. Very hesitant
   f. Doesn’t want to disclose
   g. Missing

Do you agree or disagree with the following statements:

25. I trust the information I receive about vaccines.
   a. Strongly agree
   b. Agree
   c. Not sure
   d. Disagree
   e. Strongly disagree
   f. Doesn’t want to disclose
   g. Missing

26. I am able to openly discuss my concerns about vaccines with my doctor.
   a. Strongly agree
   b. Agree
   c. Not sure
   d. Disagree
   e. Strongly disagree
   f. Doesn’t want to disclose
   g. Missing

27. All things considered, how much do you trust your doctor, on a scale from 0 to 10, with 0 being not at all and 10 being completely?

Now I want to ask you some questions about the HPV vaccine.

28. Have you heard of the HPV vaccine?
29. What is it for?
30. Have you heard of the cervical cancer vaccine?
   a. Yes
   b. No
   c. Doesn’t want to disclose
   d. Doesn’t know
   e. Missing
      ➔ If a: continue with question 29.
      ➔ If b-e: continue with question 30.
31. Have you received HPV vaccine?
   a. Yes
   b. No
   c. Doesn’t want to disclose
   d. Doesn’t know
   e. Missing
      ➔ If a: continue with question 31.
      ➔ If b-e: continue with question 33.
32. Where did you receive HPV vaccine?
   a. At school
   b. At a doctor recommended by school
   c. At the family doctor’s
   d. At the pediatrician’s
   e. At the gynecologist's
   f. At a vaccination center
   g. Other
   h. Doesn’t want to disclose
   i. Doesn’t know
   j. Missing
33. Where have you heard about HPV vaccination?
34. Was the HPV vaccine recommended by your school?
   a. Yes
   b. No
   c. Doesn’t want to disclose
   d. Doesn’t know
   e. Missing
35. How do you feel about offering the HPV vaccine at school?
   a. Very supportive
b. Somewhat supportive

c. Not sure

d. Somewhat unsupportive

e. Very unsupportive

f. Doesn’t want to disclose

g. Doesn’t know

h. Missing

36. Who did you consult with when deciding whether or not to get the HPV vaccine?

37. What are your most trusted information sources on vaccination?
   a. No information/ no source
   b. Family
   c. My doctor
   d. Other doctor
   e. Friends and acquaintances
   f. Public health authorities
   g. TV
   h. Internet
   i. Social media (such as Facebook, Instagram and Twitter)
   j. Print media (such as books, magazines and newspapers)
   k. Other:___
   l. Doesn’t want to disclose
   m. Doesn’t know
   n. Missing

➔ If g: add question 38.
➔ If h: add question 39.
➔ If i: add question 40.
➔ If j: add question 41.
➔ If k: add question 42.
➔ Otherwise continue with question 43.

38. Which TV programs?

39. Which websites?

40. What social media?

41. What print media?

42. What other sources?

43. Did you apply the information you received when making decisions about vaccination?
   a. Yes
   b. No
   c. Doesn’t want to disclose
   d. Doesn’t know
   e. Missing

44. How is your health in general? Is it...
   a. Very good
   b. Good
45. How important is health for you? Here are three options, please tell us which one is closest to your own opinion.
   a. I live without worrying too much about consequences for my health.
   b. My lifestyle is influenced by considerations about maintaining my health.
   c. Considerations about my health have a large impact on how I live.
   d. Doesn’t want to disclose
   e. Doesn’t know
   f. Missing

46. In the last 12 months, that is since [month, year], which of the following treatments have you used for your own health? Please indicate yes or no for each.
   a. Acupressure
   b. Acupuncture
   c. Anthroposophical medicine
   d. Chinese medicine
   e. Chiropractics
   f. Herbal treatment
   g. Homeopathy
   h. Hypnotherapy
   i. Massage therapy
   j. Osteopathy
   k. Physiotherapy
   l. Reflexology
   m. Spiritual Healing
   n. Other:___
   o. None of these
   p. don’t know

Now I would like to ask you some questions about other topics to get a sense of your core worldview and political and religious sentiments.

47. Do you consider yourself as belonging to any particular religion or denomination?
   a. Yes
   b. No
   c. Doesn’t want to disclose
   d. Doesn’t know
   e. Missing

   ➔ If a: continue with question 48.
   ➔ If b-e: continue with question 50.

48. Which one?
a. Christian
b. Jewish
c. Islamic
d. Eastern religions
e. Other non-Christian religions
f. Doesn’t want to disclose
g. Doesn’t know
h. Missing

➔ If a-e: continue with question 49.
➔ If f-h: continue with question 50.

49. Please specify which exactly.

50. Apart from special occasions such as weddings and funerals, about how often do you attend religious services nowadays?
   a. Every day
   b. More than once a week
   c. Once a week
   d. At least once a month
   e. Only on special holy days
   f. Less often
   g. Never
   h. Doesn’t want to disclose
   i. Doesn’t know
   j. Missing

51. Regardless of whether you belong to a particular religion, how religious would you say you are?
   a. Not at all religious
   b. Somewhat religious
   c. Religious
   d. Very religious
   e. Doesn’t want to disclose
   f. Doesn’t know
   g. Missing

52. How important do you consider spiritual experiences to be in your everyday life?
   a. Very important
   b. Somewhat important
   c. Not very important
   d. Not important at all
   e. Not sure
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

53. How interested would you say you are in politics? Are you...
   a. Very interested
   b. Quite interested
c. Hardly interested
d. Or, not at all interested?
e. Doesn’t want to disclose
f. Doesn’t know
g. Missing

54. Is there a particular political party that you feel closer to than all the other political parties?
   a. Yes
   b. No
   c. Doesn’t want to disclose
d. Doesn’t know
e. Missing

➔ If a: continue with question 55.
➔ If b-e: continue with question 56.

55. Which one?

56. In politics, people sometimes talk of “left” and “right”. Where would you place yourself? Would you consider yourself...
   a. Left
   b. Center left
c. Center
d. Center right
e. Right
f. Doesn’t want to disclose
g. Doesn’t know
h. Missing

57. How often do you participate in activities with a society, a club, a political party, a cultural association, or other groups, including religious groups?
   a. Almost every day
   b. About once a week
c. About 1-3 times a month
d. A few times a year
e. More rarely
f. Never
g. Doesn’t want to disclose
h. Doesn’t know
i. Missing

We would now like to pose some questions regarding the values that generally guide people in their everyday life. The questions don’t directly relate to vaccinations.

When you decide whether something is right or wrong, to what extent are the following considerations relevant to your thinking?

58. Whether or not someone suffered emotionally. Is it not at all relevant, not very relevant, slightly relevant, somewhat relevant, very relevant or extremely relevant?
   a. Not at all relevant
b. Not very relevant
c. Slightly relevant
d. Somewhat relevant
e. Very relevant
f. Extremely relevant
g. Doesn’t want to disclose
h. Doesn’t know
i. Missing

59. Whether or not someone was treated differently than others.
   a. Not at all relevant
   b. Not very relevant
c. Slightly relevant
d. Somewhat relevant
e. Very relevant
f. Extremely relevant
g. Doesn’t want to disclose
h. Doesn’t know
i. Missing

60. Whether or not someone’s actions showed love for his or her country.
   a. Not at all relevant
   b. Not very relevant
c. Slightly relevant
d. Somewhat relevant
e. Very relevant
f. Extremely relevant
g. Doesn’t want to disclose
h. Doesn’t know
i. Missing

61. Whether or not someone’s actions showed lack of respect for authority.
   a. Not at all relevant
   b. Not very relevant
c. Slightly relevant
d. Somewhat relevant
e. Very relevant
f. Extremely relevant
g. Doesn’t want to disclose
h. Doesn’t know
i. Missing

62. Whether or not someone violated standards of purity and decency.
   a. Not at all relevant
   b. Not very relevant
c. Slightly relevant
d. Somewhat relevant
e. Very relevant
63. Whether or not someone was good at math.
   a. Not at all relevant
   b. Not very relevant
   c. Slightly relevant
   d. Somewhat relevant
   e. Very relevant
   f. Extremely relevant
   g. Doesn’t want to disclose
   h. Doesn’t know
   i. Missing

64. Whether or not someone cared for someone weak and vulnerable.
   a. Not at all relevant
   b. Not very relevant
   c. Slightly relevant
   d. Somewhat relevant
   e. Very relevant
   f. Extremely relevant
   g. Doesn’t want to disclose
   h. Doesn’t know
   i. Missing

65. Whether or not someone acted unfairly.
   a. Not at all relevant
   b. Not very relevant
   c. Slightly relevant
   d. Somewhat relevant
   e. Very relevant
   f. Extremely relevant
   g. Doesn’t want to disclose
   h. Doesn’t know
   i. Missing

66. Whether or not someone did something to betray his or her group.
   a. Not at all relevant
   b. Not very relevant
   c. Slightly relevant
   d. Somewhat relevant
   e. Very relevant
   f. Extremely relevant
   g. Doesn’t want to disclose
   h. Doesn’t know
   i. Missing
67. Whether or not someone conformed to the traditions of society.
   a. Not at all relevant
   b. Not very relevant
   c. Slightly relevant
   d. Somewhat relevant
   e. Very relevant
   f. Extremely relevant
   g. Doesn’t want to disclose
   h. Doesn’t know
   i. Missing

68. Whether or not someone did something disgusting.
   a. Not at all relevant
   b. Not very relevant
   c. Slightly relevant
   d. Somewhat relevant
   e. Very relevant
   f. Extremely relevant
   g. Doesn’t want to disclose
   h. Doesn’t know
   i. Missing

Please listen to the following statements and indicate whether you strongly disagree, moderately disagree, slightly disagree, slightly agree, moderately agree or strongly agree.

69. Compassion for those who are suffering is the most crucial virtue.
   a. Strongly disagree
   b. Moderately disagree
   c. Slightly disagree
   d. Moderately agree
   e. Strongly agree
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

70. When the government makes laws, the number one principle should be ensuring that everyone is treated fairly.
   a. Strongly disagree
   b. Moderately disagree
   c. Slightly disagree
   d. Moderately agree
   e. Strongly agree
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

71. I am proud of my country’s history.
   a. Strongly disagree
72. Respect for authority is something all children need to learn.
   a. Strongly disagree
   b. Moderately disagree
   c. Slightly disagree
   d. Moderately agree
   e. Strongly agree
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

73. People should not do things that are disgusting even if no one is harmed.
   a. Strongly disagree
   b. Moderately disagree
   c. Slightly disagree
   d. Moderately agree
   e. Strongly agree
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

74. It is better to do good than to do bad.
   a. Strongly disagree
   b. Moderately disagree
   c. Slightly disagree
   d. Moderately agree
   e. Strongly agree
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

75. One of the worst things a person could do is hurt a defenseless animal.
   a. Strongly disagree
   b. Moderately disagree
   c. Slightly disagree
   d. Moderately agree
   e. Strongly agree
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

76. Justice is the most important requirement for a society.
77. People should be loyal to their family members even when they have done something wrong.
   a. Strongly disagree
   b. Moderately disagree
   c. Slightly disagree
   d. Moderately agree
   e. Strongly agree
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

78. Men and women should each have different roles to play in society.
   a. Strongly disagree
   b. Moderately disagree
   c. Slightly disagree
   d. Moderately agree
   e. Strongly agree
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

79. I would call some acts wrong on the grounds that they are unnatural.
   a. Strongly disagree
   b. Moderately disagree
   c. Slightly disagree
   d. Moderately agree
   e. Strongly agree
   f. Doesn’t want to disclose
   g. Doesn’t know
   h. Missing

I just have a few more questions to finish up.

80. Which of these descriptions applies to what you have been doing for the last seven days?
    a. In paid work or away temporarily
    b. In education (even if on vacation)
    c. Unemployed and actively looking for a job
    d. Unemployed, wished to work but didn’t actively look for a job
e. Permanently sick or disabled
f. Retired
g. In community or military service
h. Doing housework, looking after children or other persons
i. Other
j. Doesn’t want to disclose
k. Doesn’t know
l. Missing

➔ If a: continue with question 81.
➔ If b-l: continue with question 82.

81. Regardless of your basic or contracted hours, how many hours per week do you normally work, including any paid or unpaid overtime?

82. And what about your father? Which describes his situation in the last seven days?
   a. In paid work or away temporarily
   b. In education (even if on vacation)
   c. Unemployed and actively looking for a job
   d. Unemployed, wished to work but didn’t actively look for a job
   e. Permanently sick or disabled
   f. Retired
g. In community or military service
h. Doing housework, looking after children or other persons
i. Other
j. Doesn’t want to disclose
k. Doesn’t know
l. Missing

➔ If a: continue with question 83.
➔ If b-l: continue with question 85.

83. How many hours does he normally work, including any paid or unpaid overtime?
84. What is his current occupation?

85. And what about your mother? Which describes her situation in the last seven days?
   a. In paid work or away temporarily
   b. In education (even if on vacation)
   c. Unemployed and actively looking for a job
   d. Unemployed, wished to work but didn’t actively look for a job
   e. Permanently sick or disabled
   f. Retired
g. In community or military service
h. Doing housework, looking after children or other persons
i. Other
j. Doesn’t want to disclose
k. Doesn’t know
l. Missing

86. How many hours does she normally work, including any paid or unpaid overtime?
87. What is her current occupation?
If a: continue with question 86.
If b-l: continue with question 88.

88. Are you a citizen of Switzerland?
   a. Yes  
   b. No  
   c. Doesn’t want to disclose  
   d. Doesn’t know  
   e. Missing  
   ➔ If a: continue with question 90.  
   ➔ If b: continue with question 89.  
   ➔ If c-e: continue with question 93.  

89. What citizenship do you hold?
90. Were you born in Switzerland?
   a. Yes  
   b. No  
   c. Doesn’t want to disclose  
   d. Doesn’t know  
   e. Missing  
   ➔ If a, c-e: continue with question 93.  
   ➔ If b: continue with question 91.  

91. In which country were you born?
92. What year did you first come to Switzerland?
93. What is your postcode?

We have finished the interview. Thank you very much for your time.

94. Do you have comments you would like to make?
95. Thank you very much for your participation in this telephone interview. In order to better understand what young people think about HPV vaccinations we plan to also speak to some young people in person. We are able to travel to a place that is convenient and comfortable for our interview partners at a date and time that suit them. Please let me know if:
   a. you would be interested to take part in a face-to-face interview  
   b. are not sure yet but we may contact you again  
   c. you would not like to be contacted again  
   ➔ If a,b: continue with question 96.  
   ➔ If c: end of interview.  

96. Would you prefer to be interviewed alone, or would you rather have one or even both of your parents being present?
   a. Alone  
   b. With one or both parents  
   c. Missing  

97. How can we contact you?
   a. SMS  
   b. Telephone
c. Email: ___

d. Missing