

Rethink and Reduce inequalities in HPV vaccination through personalized communication and training, based on social innovation and behavioural determinants of health

Behavior, attitudes and perceptions on HPV Vaccination in Romania at national level (2023) vs. Argeș county (2024)

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# Executive summary

The Deliverable D5.2 is a report on attitudes, perceptions, and behaviours towards HPV vaccination (D5.2 Behavior, attitudes, and perceptions towards HPV vaccination in Argeș County) and will inform deliverables D5.1 and D5.3.

Representing the collaboration of RF and EUROC partners, it is the latest study assessing Behavior, Attitudes and Perception regarding HPV vaccination in Argeș County, providing a comparative perspective between the county and national situation surveyed in November 2023.

# Methodology

This sociological study was carried out within the project "Rethink and Reduce inequalities in HPV vaccination through personalized communication & training, based on social innovation and behavioural determinants of health (ReThinkHPVaccination)", a project implemented by the ”Renașterea” Foundation, in partnership with the Center for Innovation in Medicine and Eurocommunication Association.

The present study is a quantitative one, carried out using the questionnaire-based sociological survey method. The questionnaire was administered online through CAWI (Computer Assisted Web Interviewing) data collection method.

The research objectives were:

O1. To assess the level of knowledge about HPV infection and HPV vaccination (how study participants self-assess themselves) among the population of Argeș County;

O2. Assessment of perceptions and opinions on the relationship between HPV infection and cancer in the population of Argeș County;

O3. To identify the position of the inhabitants of Argeș County towards the sources of information on medical topics;

O4. Identifying the specifics of the doctor-patient relationship for the inhabitants of Argeș County;

The questionnaire followed the following themes of interest:

* Information on HPV infection
* Respondents' level of HPV vaccination
* Opinions on the safety of the HPV vaccine
* Immunizing children against HPV
* Link between HPV and cancers
* Position on health information sources
* Key actors in the vaccination decision-making process
* Doctor-patient relationship
* Positioning towards COVID - 19
* Perception of giving women aged 19-45 a 50% deduction on the cost of the HPV vaccine.

The sample consisted of 600 respondents from the national adult population (18 years and over) in Argeș County, with a margin of error of ±3.92%.

This report contains comparisons between the results of the present survey conducted in Argeș County and the previous survey conducted in November 2023 at the national level on a sample of 1110 people. This comparison helps to form a bigger picture and better understand the differences in opinion about the HPV vaccine among people in Argeș County compared to the overall opinion resulting from the previous nationwide survey.

# Results

## HPV infection

*Q11. Have you heard of HPV - human papilloma virus?*

*Q12. What do you think is the right age for HPV vaccination?*

In Argeș County, the majority of respondents (79%) have heard about HPV infection. Of these, almost 6 out of 10 believe that the optimal age range for vaccination is 10 - 15 years old, perceptions similar to the nationwide survey conducted last year in November 2023.

*Q13. Has anyone ever recommended HPV vaccination? (multiple answer)*

Regarding the HPV vaccine, (52%) of respondents in Argeș County say they have not received any vaccination recommendations, a lower proportion than in the 2023 nationwide survey (53%). Almost one-fifth (19%) of the adult residents of Argeș County have received vaccination recommendations from their family doctor. The fewest related recommendations came from a family member (4%) or a coworker (1%).

*Q14. To the best of your knowledge, to whom is HPV vaccination targeted?*

In this year's survey conducted in Argeș County, the perception of the need for HPV vaccination is directed towards both girls and boys (53%), in contrast to the 2023 survey conducted at national level in November 2023 in which the majority opinion focused exclusively on girls (53%).

*Q15. How informed do you feel you are about HPV infection?*

Over half of the inhabitants of Argeș County (53%) consider themselves rather uninformed about HPV infection, which is higher than the figure recorded in the 2023 national survey (50%).

*Q16. To what extent do you think HPV vaccination should be mandatory in Romania?*

*Q17. How safe do you think HPV vaccination is?*

Over half (55%) of the inhabitants of Argeș County support mandatory HPV vaccination. The process is considered to be rather safe or very safe (57%) in both surveys.

*Q18. Are you vaccinated against HPV?*

*Q19. Are your child(ren) vaccinated against HPV?*

Regarding the rate of vaccination against HPV, both the respondents from Argeș County (91%) and their children (93%) are not vaccinated against HPV. There is also a higher rate of vaccination of children in Argeș (7%) based on the parents' answers compared to the rate of children vaccinated at national level (5%).

*Q20\_1\_1\_1\_REC+ Q20\_2\_1\_1\_REC. At what age were your children vaccinated against HPV?*

*Q20a. Gender of vaccinated children:*

***Note:*** *Some of the residents of Argeș County who declared that they have vaccinated their children against HPV confuse this vaccine with other vaccines in the mandatory schedule. This observation resulted from the analysis of the ages at which they reported having had their children vaccinated against HPV. Another explanation for the results could also have to do with the change in legislation: from December 1, 2024, both girls and boys between the ages of 11 and 19 receive the HPV vaccine free of charge.*

*Proportion of vaccinated children in the sample*

*Q21. What is the main reason why you have not been vaccinated against HPV? (for those who are not vaccinated)?*

The survey shows that 8 out of 10 people in Argeș say they are not vaccinated against HPV because they have not been advised to do so. Also, (6%) say they do not know how they can get the vaccine and (4%) say they either do not have the money to buy the vaccine or consider it dangerous. The same perceptions are found at national level in similar proportions.

*Q22. Do you think that HPV vaccination should be given mainly to girls who start their sexual life before they come of age?*

Regardless of the survey, more than half of respondents (61%) say the vaccine needs to be given more often to girls who start having sex before they come of age.

## HPV and cancer

*Q23. Have you or anyone in your family been diagnosed with cancer?*

*Q23b\_REC. What type of cancer?*

Almost half of respondents (48%) say that they or someone in their family has been diagnosed with cancer. Of those diagnosed with this disease, almost a quarter (23%) suffer from breast cancer in Argeș County and (20%) in the national survey.

*Q24. HPV infection is involved in which types of cancer?* *(multiple choice)*

*Q25.To your knowledge, does HPV vaccination prevent cervical cancer?*

In terms of the types of cancers associated with HPV infection, more than half of the respondents in Argeș County (59%) associate cervical cancer with HPV infection. However, in another question in the survey, most people in Argeș County (57%) believe that HPV vaccination ***does not*** prevent cervical cancer, double the percentage recorded in the 2023 nationwide survey (27%). This shows that in Argeș County there is a significant proportion of people who do not believe in the effectiveness of HPV vaccination.

## Position on information sources

*Q26.* *How much do you trust the medical information you receive from the following sources ?*

*Q26. How much do you trust the medical information you receive from the following sources?*

*Q38. Where do you go for your first opinion on HPV vaccination?*

*Q39. What about the second opinion on HPV vaccination?*

In terms of trusted sources for information in the field of medicine, family doctors (90%) are the top choice for the people of Argeș, followed by gynecologists/urologists (88%). On the other hand, at national level, the most consulted were gynecologists/urologists (92%) and family doctors (86%). In terms of trusted sources consulted regarding HPV vaccination, both in Argeș and at national level, family doctors and gynecologists are mentioned. The second opinion of residents in Argeș is formed after discussions with family (29%) or friends (24%). At national level, family doctors (40%) and gynecologists (27%) are the priority options for second opinions.

*Q40. To what extent do you agree or disagree with the following statements?*

*Q40. To what extent do you agree or disagree with the following statements?*

There is a consensus that doctors encourage HPV vaccination both in Argeș County and nationally. In addition, (70%) of the inhabitants of Argeș perceive the vaccine as inaccessible, compared to the national population that perceives it in the same way, but in a proportion of (33%). Almost half of the inhabitants of Argeș (47%) do not consider HPV infection dangerous, compared to (22%) at national level.

## Key actors

*Q45\_REC. With whom do you usually discuss health issues?*

About half of the respondents in Argeș County (45%) discuss their health problems with their family, and a quarter (25%) of them prefer their family doctor for such discussions. In the survey conducted at national level in 2023, the same options are mentioned, but the family doctor is preferred (35%) as the main source used to discuss health issues and the family as the second mention (25%).

## Doctor-patient relationship

*Q46. If you need a doctor, how do you choose?*

The choice of a specialist doctor is for 43% of the respondents from Argeș based on the recommendation of the family doctor, 21% of them prefer to ask for recommendations from family, and 20% search on the Internet for possible doctors to turn to. Also, in the previous nationwide survey (2023) the recommendation of the family doctor (60%) was most often considered, followed by the advice of friends (17%) or family (7%).

*Q47. Have you immunized your child with the vaccines in the mandatory schedule?*

*Q48. Have you immunized your child with the flu vaccine?*

Among those who have children, 9 out of 10 parents have had their child immunized according to the mandatory immunization schedule. When it comes to the flu vaccine, just over half (52%) of Argeșians have had their child vaccinated. Similar figures (49%) were recorded in the national survey.

## Positioning towards covid-19

*Q49. Are you vaccinated against COVID-19?*

*Q49a. How many doses?*

*Q50. Who guided your decision to vaccinate against COVID-19?*

In terms of vaccination against COVID-19, more than half of the people in Argeș (59%) and almost two thirds of the national sample (60%) say they have been vaccinated. Most have used the two-dose regimen, both in Argeș and nationally. Of these (38%) did so on the recommendation of their family doctor.

## Analysis of persons having at least one minor child in care

*Q16. To what extent do you think HPV vaccination should be mandatory in Romania?*

More than half (56%) of parents in Argeș who have at least one minor child in their care think that HPV vaccination should be mandatory in Romania, a slightly higher interest than the previous national survey (54%).

*Q17. How safe do you think HPV vaccination is?*

Vaccination against HPV is perceived as safe by more than half of parents in Argeș who have at least one minor child in their care (56%), a similar percentage as in the national survey (57%).

*Q19. Are your child(ren) vaccinated against HPV?*

Vaccinating children against HPV is not yet widespread. At the moment, the prevalence is higher in Argeș (12%) than in the national survey (10%).

*Q47. Have you immunized your child with the vaccines in the mandatory schedule?*

On the other hand, at the national level, there is a greater interest in immunizing children with the vaccines in the mandatory schedule (92%), compared to what parents in Argeș County (85%) stated in the survey.

*Q48. Have you immunized your child with the flu vaccine?*

Almost half of the parents in Argeș, and parents in the national sample who have at least one minor child (46%) have had their child immunized with the flu vaccine.

## HPV awareness in 2024 IN ARGEȘ COUNTY

*N1. "As of December 1, 2023, women aged 19 to 45 can get the HPV vaccine by prescription from their family doctor at a 50% discount. " Did you know this information before participating in this survey?*

*N2. What is your opinion on the 50% reduction in the cost of the HPV vaccine for women aged 19-45?*

Almost a third (31%) of people in Argeș say they are informed about the reduction in the HPV vaccine for women. About a quarter (23%) consider this measure to be very good. On the other hand, 8% of the inhabitants of Argeș county consider this measure as very bad.

*N3. What impact do you think the 50% reduction in the cost of the HPV vaccine for women aged 19-45 will have?*

On the other hand, almost half (49%) of people in Argeș believe that applying the reduction would increase vaccination rates among both women and men.

*N4. Did you know before this survey that the HPV vaccine is also for boys?*

*N5. What do you think about the fact that the HPV vaccine for men over 19 is not compensated and has to be paid for entirely by the patient?*

*N6. What other measures do you think need to be implemented to increase the incidence of HPV vaccination? (multiple answer)*

Of the people from the Argeș county, 43% knew about the fact that the vaccine is also intended for boys. Almost two thirds of them (64%) believe that men should also benefit from the vaccine compensation. Thus, the measure considered the most appropriate by almost half of the respondents (47%) is to give the 50% discount also to men who want to be vaccinated against HPV.

## Socio-demographic data related to persons participating in the survey conducted in Argeș County

*D1. Age groups*

*D2. Gender:*

*D3. What is the last form of education you completed?*

*D4. Residence environment:*

*D5. Please indicate your income. NET (cash on hand) from all sources in the last month into one of the following categories:*

*D6. Do you have children?*

*D6\_REC. Parents with minor children + Parents with adult children*

*D10. What is your religion?*

# Conclusions

## Conclusions. general analysis of the survey conducted in Argeș County

* The majority of respondents (79%) have heard about HPV infection, and almost 6 in 10 believe that the optimal vaccination interval is between 10 and 15 years. These perceptions are similar to the national survey conducted in November 2023.
* Almost half of respondents (48%) say that they or someone in their family has been diagnosed with cancer. Of those diagnosed with this disease, almost a quarter (23%) suffer from breast cancer in Argeș County and (20%) in the national survey.
* In terms of the types of cancers involved in HPV infection, more than half of the respondents in Argeș County (59%) associate cervical cancer with HPV infection. However, in another question in the survey, most people in Argeș County (57%), believe that HPV vaccination ***does not*** prevent cervical cancer, double the percentage recorded in the 2023 nationwide survey (27%). This shows that there is a significant proportion of people in Argeș County who do not believe in the effectiveness of HPV vaccination.
* Regarding the HPV vaccine, 52% of respondents in Argeș County say they have not received any recommendations for vaccination, down from 67% in the 2023 national survey. Vaccination recommendations come mainly from the family doctor (19%), with the fewest coming from family members or work colleagues.
* The perception of the need for HPV vaccination was directed towards both girls and boys in this year's survey conducted in Argeș County (53%), in contrast to the national survey in 2023, when the majority opinion was focused exclusively on girls (53%).
* More than half of the inhabitants of Argeș (53%) consider themselves uninformed about HPV infection, which is higher than the percentage recorded in the national survey in 2023 (50%).
* Regarding the safety of HPV vaccine, more than half of the inhabitants of Argeș (55%) support mandatory vaccination, and (57%) consider it safe or very safe, a value similar to the national level.
* The rate of those who are not vaccinated against HPV is high for both respondents from Argeș (91%) and their children (93%).
* The main reasons given by 8 out of 10 people in Argeș for not vaccinating against HPV are the lack of vaccine recommendation or lack of information on how to get the vaccine (6%). The same perceptions were also found at national level.
* Despite this, more than half of respondents (61%) believe that the vaccine should be given especially to girls who start having sex before they come of age.
* The most trusted sources of information on medicine are family doctors (90%) and gynecologists/urologists (88%) for the inhabitants of Argeș, and at the national level are gynecologists/urologists (92%) and family doctors (86%).
* There is a consensus on doctors' encouragement of HPV vaccination both in Argeș and nationally, but (70%) of Argeș citizens consider the vaccine inaccessible, compared to (33%) nationally.
* In terms of discussing health problems, 45% of people from Argeș prefer their family and 25% their family doctor, while at national level the main preference is the family doctor (35%).
* The choice of a specialist doctor is for 43% of the respondents from Argeș based on the recommendation of the family doctor, 21% of them prefer to ask for recommendations from family, and 20% search on the Internet for possible doctors to turn to. Also, in the previous national survey, the recommendation of the family doctor was most often considered (60%), followed by the advice of friends (17%) or family (7%).
* Over 50% of parents in Argeș are in favor of mandatory HPV vaccination (56%) and consider it safe (56%).

## Conclusions. analysis on the segment of persons having at least one minor child in care

* Almost half of the parents in Argeș, and parents in the national sample who have at least one minor child (46%) have had their child immunized with the flu vaccine.
* More than half (56%) of parents in Argeș who have at least one minor child in their care consider that HPV vaccination should be mandatory in Romania, a similar interest to the national level (57%).
* HPV vaccination is perceived as safe by more than half of parents in Argeș who have at least one minor child in their care (56%), a similar percentage as in the national survey (57%).
* Vaccinating children against HPV is not yet widespread. Currently, 1 in 10 children is vaccinated against HPV.

## Conclusions on the level of awareness of the HPV vaccine in 2024 in Argeș county

* Almost 7 out of 10 (69%) of the respondents from Argeș do not know that they can get the HPV vaccine on prescription from their family doctor, with a 50% discount (in some cases).
* Almost half of the respondents in Argeș county (44%) think it is a good and very good measure that women aged between 19 and 45 years should be given a 50% discount on the cost of the HPV vaccine.
* Almost half of the sample of the survey conducted in Argeș county (49%) believe that the popularity of the HPV vaccine will increase the vaccination rate among women as well as men.
* Slightly more than half (57%) of the inhabitants of Argeș county are unaware that the HPV vaccine is also recommended for men.
* The majority of people from Argeș (64%) believe that boys over 19 should also benefit from HPV vaccine compensation.
* Almost half (47%) of the total sample of the survey conducted in Argeș county believe that this 50% discount should also be given to men who want to be vaccinated against HPV.

**Questionnaire** **HPV vaccination survey**

*County level survey (Argeș)*

Hello! We are currently conducting a survey on Romanians' awareness of HPV. Please be so kind to answer the following questions, assuring that we will keep your answers confidential. The questionnaire takes about 10 minutes. The data will be analyzed strictly statistically. Your answers are anonymous and will not be associated with your identity. Thank you!

*Disclaimer:*

*Cult Market Research, the company carrying out this survey, has implemented all the provisions in force regarding the processing of personal data (GDPR). Our contact details are available on our website: cultresearch.ro.*

**SOCIO-DEMOGRAPHIC QUESTIONS**

**D1. Your age in years: (numerical answer)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**D2. Gender**:

1. Female
2. Male

**D3. What is the last form of education you completed? (simple answer)**

1. Primary school / middle school
2. Vocational school/grade I high school
3. High school/college/post-secondary school
4. Faculty
5. Postgraduate studies (master, doctorate)

**99.** I do not wish to declare

**D4. Residence environment:**

1. **Urban**
2. **Rural**

**D4a. County where you live:**

1. Argeș
2. Vrancea

**D5. Please classify your income. NET (cash on hand) from all sources in the last month into one of the following categories:**

1. No income
2. 2079 RON (minimum wage)
3. 2079 - 2500 RON
4. 2501 - 3500 RON
5. 3501 - 5000 RON
6. 5001 - 7500 RON
7. 7501 - 10000 RON
8. Over 10000 RON
9. No answer

**D6. Do you have children?**

1. Yes
2. No

**Q6.a. How many children do you have? (open - numerical)**

**\_\_\_\_\_\_\_\_\_\_**

**D7.** (If 1 to D6) **How old is/are your child/children?**

|  |  |
| --- | --- |
| Child 1 | ... |
| Child 2 | ... |
| Child 3 | ... |
| Child 4 | ... |
| Child 5 | ... |
| Child 6 | ... |

**D8. Gender of child/children**:

|  |  |  |
| --- | --- | --- |
|  | Female | Male |
| Child 1 | ❑1 | ❑2 |
| Child 2 | ❑1 | ❑2 |
| Child 3 | ❑1 | ❑2 |
| Child 4 | ❑1 | ❑2 |
| Child 5 | ❑1 | ❑2 |
| Child 6 | ❑1 | ❑2 |

**D9. School grade of child/children:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Child 1 | Kindergarten or younger | Grade 0 | Grade I | Grade II | Grade III | .... | Grade XII |
| Child 2 |  |  | ... |  |  |  |  |
| Child 3 |  |  | ... |  |  |  |  |
| Child 4 |  |  | ... |  |  |  |  |
| Child 5 |  |  | ... |  |  |  |  |
| Child 6 |  |  | ... |  |  |  |  |

**D10. What is your religion?**

1. Orthodox
2. Greek-Catholic
3. Roman Catholic
4. Protestant
5. Neoprotestant
6. Atheist / agnostic
7. Another religion. What religion?

**99.** No answer

**HPV INFECTION**

**[11] #HPV: Have you heard of HPV - human papilloma virus?**

1. Yes
2. No - go to 23

*If she/he hasn't heard, she/he no longer gets the HPV question set, but continues with the generic questions.*

**[12] #HPV: What do you think is the right age for HPV vaccination? (open answer) [Exact minimum age. No range]**

**\_\_\_\_\_\_\_\_\_\_\_\_\_**

**[13] #HPV: Has anyone ever recommended HPV vaccination?**

1. No, I have not received the HPV vaccination recommendation

2. Family doctor

3. One of your close friends

4. A family member

5. A coworker

6. Someone else. Who else?

**[14] To the best of your knowledge, who is the HPV vaccination for?**

1. Girls only
2. Boys only
3. Both girls and boys alike

**[15]** **How informed do you think you are about HPV infection?**

1. Not at all informed
2. Very little informed
3. Neither informed nor uninformed
4. Rather informed
5. Very knowledgeable

**[16] #HPV:** **To what extent do you think that HPV vaccination should become mandatory in Romania for both women/girls and men/boys?**

1. Not at all
2. To a very small extent
3. Neither a little nor a lot
4. To a large extent
5. To a very large extent

**[17] #HPV: How safe do you think HPV vaccination is?**

1. Not sure at all
2. Very little reliable
3. Neither sure nor not sure
4. Rather safe
5. Very safe

**[18] #HPV: Are you vaccinated against HPV?**

1. Yes
2. No

**[19] #HPV: Is your child(ren) vaccinated against HPV?**

1. Yes
2. No

**[20] #HPV: At what age were your children vaccinated against HPV?**

|  |  |  |
| --- | --- | --- |
|  | Child's age | Gender of the child |
| Child 1 | ... |  |
| Child 2 | ... |  |
| Child 3 | ... |  |
| Child 4 | ... |  |
| Child 5 | ... |  |
| Child 6 | ... |  |

**[21] #HPV: What is the main reason why you haven't been vaccinated against HPV? (*for those who are not vaccinated)***

1. I don't know how to get the vaccine
2. Vaccines are dangerous for your health
3. I don't have the money to buy the vaccine
4. This vaccine was not recommended
5. Another reason. What reason?

**[22] #HPV: Do you think that HPV vaccination should be given mainly to girls who start their sexual life before they come of age?**

1. From
2. No

**[23] #HPV: Do you think that HPV vaccination should be given mainly to boys who start their sexual life before they come of age?**

1. From
2. No

**[N1] #HPV vaccine reduced by 50%: "From December 1, 2023, women aged 19-45 can get the HPV vaccine by prescription from their GP at a 50% discount. " Did you know this information before participating in this survey?**

1. Yes
2. No

**[N2] #HPV vaccine reduced by 50%: What is your opinion on the 50% reduction given to women aged 19-45 years on the cost of the HPV vaccine?**

1. I think this is a very bad measure
2. I think it is a bad measure
3. I consider it neither good nor bad
4. I think this is a good measure
5. I think it is a very good measure

**[N3] #HPV vaccine reduced by 50%: What impact do you think the 50% reduction in the cost of the HPV vaccine for women aged 19-45 will have?**

1. I think it will have no impact
2. I believe that more women will be vaccinated against HPV
3. I believe it will increase the popularity of the HPV vaccine and increase vaccination rates among both women and men
4. Don't know/ No answer

**[N4] #HPV vaccine reduced by 50%: Did you know before this poll that the HPV vaccine is also for boys?**

1. Yes
2. No

**[N5] #HPV vaccine reduced by 50%: What do you think about the fact that the HPV vaccine for men over 19 is not compensated and that it has to be paid for entirely by the patient?**

1. I believe that men should also benefit from the vaccination
2. I think this is a good measure

99. Don't know/No answer

**[N6] #HPV vaccine reduced by 50%: What other measures do you think need to be implemented to increase the incidence of HPV vaccination? (multiple response)**

1. I do not consider that further measures are necessary because I am against vaccination in general.
2. I don't believe that additional measures are necessary because people who want this vaccine can get it and get vaccinated at any time.
3. I think the age limit for the 50% reduction in the price of the vaccine should be lowered
4. I believe that this 50% discount should also be given to men who wish to be vaccinated against HPV

99. Don't know / No answer

**HPV AND CANCER**

**[23] #CANCER: Have you or anyone in your family been diagnosed with cancer**?

1. Yes
2. No

**Q23A. (If 23=1) If yes, who has been diagnosed with cancer? (multiple answer)**

1. Mother
2. Father
3. Grandfather
4. Grandmother
5. Brother/sister
6. Uncle / aunt
7. Cousin
8. Another relative. Which one?

**Q23B. (If 23=1) What type of cancer? (open question)**

**[24] #CANCER HPV infection is involved in which types of cancer? (multiple choice)**

1. Cervical cancer
2. Head and neck cancer
3. Anal cancer
4. Penile cancer
5. None
6. Another type of cancer. What kind?

**[25] To your knowledge, does HPV vaccination prevent cervical cancer?**

1. Yes
2. No

**POSITION ON INFORMATION SOURCES**

**[26] How much trust you have in the medical information you receive, on a scale of 1 to 5, where 1 means "not at all" and 5 means "very much trust**":

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **Very much** | **Lots** | **A little** | **Not at all** | **Not the case** | **NS / NR** |
| **[26]** | Very close friends | 5 | 4 | 2 | 1 | 98 | 99 |
| **[27]** | Work colleagues | 5 | 4 | 2 | 1 | 98 | 99 |
| **[28]** | Family members (husband, wife, son, daughter, mother, father) | 5 | 4 | 2 | 1 | 98 | 99 |
| **[29]** | Family doctor | 5 | 4 | 2 | 1 | 98 | 99 |
| **[30]** | Gynecologist (If D2=1) | 5 | 4 | 2 | 1 | 98 | 99 |
| **[31]** | Other doctors you see | 5 | 4 | 2 | 1 | 98 | 99 |
| **[32]** | Priests | 5 | 4 | 2 | 1 | 98 | 99 |
| **[33]** | Doctors appearing in the press | 5 | 4 | 2 | 1 | 98 | 99 |
| **[34]** | Media (TV, radio, press, ...) | 5 | 4 | 2 | 1 | 98 | 99 |
| **[35]** | Social media platforms/apps (Facebook, Telegram, TikTok, WhatsApp) | 5 | 4 | 2 | 1 | 98 | 99 |
| **[35a]** | Specialized websites | 5 | 4 | 2 | 1 | 98 | 99 |
| **[36]** | Head teacher(s) of the child(ren) | 5 | 4 | 2 | 1 | 98 | 99 |
| **[37]** | Other parents | 5 | 4 | 2 | 1 | 98 | 99 |

**[38] #Info: Who do you turn to for your first opinion on HPV vaccination?**

1. Family members (husband, wife, son, daughter, mother, father)
2. Very close friends
3. Work colleagues
4. Family doctor
5. Gynecologist
6. Other doctors you see
7. Priests
8. Doctors appearing in the press
9. Head teacher(s) of the child(ren)
10. Other parents

**[39] What about the second opinion on HPV vaccination?**

1. Family members (husband, wife, son, daughter, mother, father)
2. Very close friends
3. Work colleagues
4. Family doctor
5. Gynecologist
6. Other doctors you see
7. Priests
8. Doctors appearing in the press
9. Head teacher(s) of the child(ren)
10. Other parents

**Q40. To what extent do you agree or disagree with the following statements, on a scale of 1 to 5, where 1 is Strongly Disagree and 5 is Strongly Agree? (RANDOM)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  |  | **Strongly agree** | **Somewhat agree** | **Somewhat agree** | **Strongly disagree** | **NS / NR** |
| **[40]** | The risk of catching HPV is not as high as the media make it out to be. | 5 | 4 | 2 | 1 | 99 |
| **[41]** | HPV infection is not dangerous. | 5 | 4 | 2 | 1 | 99 |
| **[42]** | I still don't have enough information and I don't understand why HPV vaccination is necessary | 5 | 4 | 2 | 1 | 99 |
| **[43]** | It's hard to get vaccinated against HPV, even if you want to. | 5 | 4 | 2 | 1 | 99 |
| **[44]** | The opinion of most doctors is that HPV vaccination is necessary. | 5 | 4 | 2 | 1 | 99 |

**KEY ACTORS**

**Q45. With whom do you usually discuss issues related to your health? (open question**)

**DOCTOR-PATIENT RELATIONSHIP**

**Q46. If you need a doctor, how do you choose**?

1. I ask the family
2. I ask close friends
3. Ask your family doctor for a recommendation
4. I ask coworkers
5. Search the internet
6. Another method. What other way?

**Q47. Have you immunized your child with the vaccines in the mandatory schedule**?

1. From
2. No

**Q48. Have you immunized your child with the flu vaccine?**

1. From
2. No

**POSITIONING TOWARDS COVID-19**

**Q49. Are you vaccinated against COVID-19?**

1. Yes
2. No

**Q49a (If Q49=1) If yes, how many doses**?

1. A dose
2. Two doses
3. Three doses

**Q50. (If Q49=1) Who guided your decision to vaccinate against COVID-19?**

1. Very close friends
2. Family members (husband, wife, son, daughter, mother, father)
3. Family doctor
4. Other doctors you see
5. Priests
6. Media (TV, radio, press ...)
7. Social media platforms/apps (Facebook, Telegram, TikTok, WhatsApp)
8. Specialized websites
9. Sources other than medical professionals \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. Someone else. Who?\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Thank you for your time and have a nice day!**