

Belgium, Czech Republic, Finland, Italy, Poland, Portugal, United Kingdom

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**Título: VAX-TRUST Delphi Survey – Recommendations
to address vaccine hesitancy in Europe, 2023**

Study Documentation

March 1, 2024

Metadata Production

Production Date	March 1, 2024
Identification	APIS0099

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Título: VAX-TRUST Delphi Survey – Recommendations to address vaccine hesitancy in Europe, 2023

Overview

Identification	APIS0099
Version	1.0
Abstract	
<p>O VAX-TRUST é um consórcio de investigação que abrange dez instituições parceiras de sete países europeus: Bélgica, República Checa, Finlândia, Itália, Polónia, Portugal e Reino Unido. O objetivo central do projeto é o de fornecer aos profissionais de saúde ferramentas para abordar os pais hesitantes à vacinação dos filhos. Para o efeito, um inquérito Delphi a duas rondas foi aplicado a um painel de peritos em vacinação para produzir uma declaração de consenso sobre recomendações para abordar a hesitação vacinal ao nível europeu. Uma lista inicial de recomendações foi desenvolvida pela equipa de investigação do ICS-ULisboa e subsequentemente apresentada a todos os membros do VAX-TRUST para discussão. A versão final do inquérito Delphi abarcou 21 recomendações submetidas a avaliação pelo painel de peritos.</p> <p>The VAX-TRUST is a research consortium of ten partner organisations in seven European countries: Belgium, Czech Republic, Finland, Italy, Poland, Portugal, and the United Kingdom. The overall aim of the project is to provide health professionals with tools to approach vaccine-hesitant parents. To this end, a two-round Delphi survey was applied, involving a panel of vaccination experts to produce a consensus statement on recommendations to address vaccine hesitancy at the European level. An initial list of recommendations was developed by the ICS-ULisboa research team and subsequently submitted to all VAX-TRUST members for discussion. The final version of the Delphi survey consisted of 21 recommendations submitted to expert panel's evaluation.</p>	
Unit of Analysis	Individual Indivíduo

Scope & Coverage

Keywords	Vaccination, Health Policy, Parent Attitude, Parental Encouragement
Topics	Health.HealthCareServicesAndPolicies, Health.PublicHealth
Time Period(s)	2023
Countries	Belgium, Czech Republic, Finland, Italy, Poland, Portugal, United Kingdom
Universe	
Peritos em vacinação da Bélgica, República Checa, Finlândia, Itália, Finlândia, Polónia, Portugal e Reino Unido.	

Producers & Sponsors

Primary Investigator(s)	Hilário, Ana Patrícia, ICS-UL Mendonça, Joana, ICS-UL Augusto, Fábio Rafael, ICS-UL Gouveia, Luís
Other Producer(s)	Instituto de Ciências Sociais da Universidade de Lisboa (ICS-UL) , Universidade de Lisboa
Funding Agency/ies	European Union's Horizon 2020

Sampling

Sampling Procedure	Nonprobability.Purposive
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Não Probabilística: Intencional Nonprobability.RespondentAssisted Não Probabilística: "bola de neve"	
Weighting n/a	

Data Collection	
Data Collection Dates	start 2023-08-28 end 2023-09-28
Data Collection Mode	SelfAdministeredQuestionnaire.CAWI Questionário de autopreenchimento: via web (CAWI)
Questionnaires Questionnaire.Structured Questionário estruturado	
Data Collector(s)	Instituto de Ciências Sociais da Universidade de Lisboa (ICS-UL) , Universidade de Lisboa

Accessibility	
Distributor(s)	Arquivo Português de Informação Social
Depositor(s)	Luís Gouveia

Files Description

Dataset contains 1 file(s)

Vax-Trust - Delphi survey_database	
# Cases	112
# Variable(s)	57

Variables List

Dataset contains 57 variable(s)

File Vax-Trust - Delphi survey_database							
#	Name	Label	Type	Format	Valid	Invalid	Question
1	StartDate	Start Date	discrete	character-20	112	-	-
2	EndDate	End Date	discrete	character-20	112	-	-
3	Response ..	Response Type	discrete	numeric-1.0	112	0	-
4	Progress	-	continuous	numeric-3.0	112	0	-
5	Duration ..	Duration (in seconds)	continuous	numeric-6.0	112	0	-
6	Finished	Survey finished	discrete	numeric-1.0	112	0	-
7	Recorded ..	Recorded Date	discrete	character-20	112	-	-
8	Distribu ..	Distribution Channel	discrete	character-9	112	0	-
9	UserLang ..	User Language	discrete	character-2	112	0	-
10	Consentm ..	Consent: I agree to participate in the research study. I understand the purpose and nature of this survey and I am participating voluntarily. I understand that I can withdraw from the study at any time, without any penalty or consequences.	discrete	numeric-1.0	112	0	-
11	R1	1. Healthcare Professionals should consistently use strategies to minimize childrenâ€™s pain and/or discomfort during vaccination	discrete	numeric-1.0	112	0	-
12	R2	2. Healthcare Professionals should be more empathic to the needs of each child and family and strive to build a strong relationship of trust	discrete	numeric-1.0	112	0	-
13	R3	3. Healthcare Professionals should acknowledge parentsâ€™ concerns and doubts regarding vaccination as plausible and legitimate	discrete	numeric-1.0	112	0	-
14	R4	4. Healthcare Professionals should recognise the singularity of each child and family and acknowledge their specific socio-cultural context	discrete	numeric-1.0	112	0	-
15	R5	5. Healthcare Professionals should acknowledge childrenâ€™s agency and, wherever possible, address them directly and recognise their feelings	discrete	numeric-1.0	112	0	-
16	R6	6. Healthcare Professionals should be equipped with time and resources to keep up to date with scientific	discrete	numeric-1.0	112	0	-

File Vax-Trust - Delphi survey_database							
#	Name	Label	Type	Format	Valid	Invalid	Question
		knowledge to discuss vaccination with parents					
17	R7	7. Healthcare Professionals should dedicate more time and resources to provide balanced information to parents on the benefits and potential side effects of vaccination	discrete	numeric-1.0	112	0	-
18	R8	8. Healthcare Professionals should involve parents into vaccination process, namely by empowering them to self-manage vaccinesâ€™ potential minor side effects	discrete	numeric-1.0	111	1	-
19	R9	9. Healthcare Professionals should show respect for all parents, regardless of their lifestyle practices	discrete	numeric-1.0	112	0	-
20	R10	10. Healthcare Organisations should provide training to Healthcare Professionals about how to effectively communicate with vaccine hesitant parents	discrete	numeric-1.0	112	0	-
21	R11	11. Healthcare Organisations should try to reduce linguistic barriers between Healthcare Professionals and migrant parents, for instance, by providing translation services	discrete	numeric-1.0	112	0	-
22	R12	12. Healthcare Organisations should target parents by providing evidence-based information on vaccination and vaccine-preventable diseases, and using clear and accessible language	discrete	numeric-1.0	112	0	-
23	R13	13. Healthcare Organisations should extend the length of appointments promoting the communication between Healthcare Professionals and parents	discrete	numeric-1.0	112	0	-
24	R14	14. Healthcare Authorities should create channels that may help Healthcare Professionals to clarify doubts regarding the potential side effects of vaccination	discrete	numeric-1.0	111	1	-
25	R15	15. Healthcare Authorities should take action to raise awareness of the importance of vaccination for diseases that are currently under control	discrete	numeric-1.0	111	1	-
26	R16	16. Healthcare Authorities should make vaccines-related	discrete	numeric-1.0	111	1	-

File Vax-Trust - Delphi survey_database							
#	Name	Label	Type	Format	Valid	Invalid	Question
		information accessible to migrant families by, for instance, translating the vaccination schedule to different languages					
27	R17	17. Healthcare Authorities should provide training to Healthcare Professionals on strategies to deal with children with special needs (e.g., cognitive, or physical disabilities) at the time of vaccination	discrete	numeric-1.0	111	1	-
28	R18	18. Healthcare Authorities should reinforce the social scientific knowledge about vaccination into Healthcare Professionals's curriculum plan	discrete	numeric-1.0	111	1	-
29	R19	19. Healthcare Authorities should develop guidelines and examples of effective evidence-based communication practices (e.g. based on the motivational interviewing approach) between Healthcare Professionals and vaccine-hesitant parents	discrete	numeric-1.0	111	1	-
30	R20	20. Healthcare Authorities should involve local opinion leaders in the process of disseminating reliable information on vaccination	discrete	numeric-1.0	111	1	-
31	R21	21. Healthcare Authorities should use social media to disseminate scientific information on vaccination	discrete	numeric-1.0	111	1	-
32	Country_..	3.1 Please indicate the country where you work	discrete	numeric-1.0	110	2	-
33	Country_..	3.1 Please indicate the country where you work - Other	discrete	character-17	5	0	-
34	Age_band	3.2. Age band	discrete	numeric-1.0	110	2	-
35	Gender_d..	3.3. Gender identity	discrete	character-11	99	0	-
36	Academic_..	3.4. Academic degree	discrete	numeric-1.0	109	3	-
37	Academic_..	3.4. Academic degree - Other	discrete	character-62	9	0	-
38	Primary_..	3.5. Primary sector of employment	discrete	numeric-1.0	110	2	-
39	Primary_..	3.5. Primary sector of employment - Other	discrete	character-35	6	0	-
40	Main_pro_..	3.6. Main professional role	discrete	numeric-1.0	109	3	-
41	Main_pro_..	3.6. Main professional role - Other	discrete	character-56	38	0	-

File Vax-Trust - Delphi survey_database							
#	Name	Label	Type	Format	Valid	Invalid	Question
42	Years_pr..	3.7. Years of professional experience	discrete	numeric-1.0	108	4	-
43	Manageri..	3.8. Currently in a managerial position (e.g. performing supervisory functions)	discrete	numeric-1.0	110	2	-
44	Second_r..	Do you agree to be contacted to answer the second round of the Delphi survey?	discrete	numeric-1.0	106	6	-
45	ROUND_2_..	ROUND_2_____	discrete	character-8	0	0	-
46	StartDat..	Start Date (2nd round)	discrete	character-17	41	-	-
47	EndDate..	End Date (2nd round)	discrete	character-20	41	-	-
48	Progress..	Response rate (2nd round)	discrete	numeric-8.0	41	71	-
49	Finished..	Finish rate (2nd round)	discrete	numeric-8.0	93	19	-
50	Recorded..	Recorded date (2nd round)	discrete	character-11	41	-	-
51	UserLang..	User Language (2nd round)	discrete	character-8	41	0	-
52	R3_2ndro..	3. Healthcare Professionals should acknowledge parentsâ€™ concerns and doubts regarding vaccination as plausible and legitimate (2nd round)	discrete	numeric-8.0	41	71	-
53	R5_2ndro..	5. Healthcare Professionals should acknowledge childrenâ€™s agency and, wherever possible, address them directly and recognise their feelings (2nd round)	discrete	numeric-8.0	41	71	-
54	R8_2nround	8. Healthcare Professionals should involve parents into vaccination process, namely by empowering them to self-manage vaccinesâ€™ potential minor side effects (2nd round)	discrete	numeric-8.0	41	71	-
55	R13_2nro..	13. Healthcare Organisations should extend the length of appointments promoting the communication between Healthcare Professionals and parents (2nd round)	discrete	numeric-8.0	41	71	-
56	R20_2ndr..	20. Healthcare Authorities should involve local opinion leaders in the process of disseminating reliable information on vaccination (2nd round)	discrete	numeric-8.0	41	71	-
57	R21_2ndr..	21. Healthcare Authorities should use social media to disseminate scientific information on vaccination (2nd round)	discrete	numeric-8.0	41	71	-

Variables Description

Dataset contains 57 variable(s)

File : Vax-Trust - Delphi survey_database

StartDate: Start Date

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=112 /-]

Value	Label	Cases	Percentage
2023-08-28		16	14.3%
2023-08-29		20	17.9%
2023-08-30		12	10.7%
2023-08-31		4	3.6%
2023-09-01		3	2.7%
2023-09-04		9	8.0%
2023-09-05		4	3.6%
2023-09-06		9	8.0%
2023-09-07		1	0.9%
2023-09-08		11	9.8%
2023-09-09		2	1.8%
2023-09-10		3	2.7%
2023-09-11		4	3.6%
2023-09-12		3	2.7%
2023-09-13		1	0.9%
2023-09-14		1	0.9%
2023-09-15		9	8.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

EndDate: End Date

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=112 /-]

Value	Label	Cases	Percentage
2023-08-28		12	10.7%
2023-08-29		21	18.8%
2023-08-30		13	11.6%
2023-08-31		4	3.6%
2023-09-01		4	3.6%
2023-09-04		10	8.9%
2023-09-05		4	3.6%
2023-09-06		9	8.0%
2023-09-07		1	0.9%
2023-09-08		11	9.8%
2023-09-09		2	1.8%
2023-09-10		2	1.8%
2023-09-11		5	4.5%
2023-09-12		3	2.7%
2023-09-13		1	0.9%
2023-09-14		1	0.9%
2023-09-15		8	7.1%
2023-09-18		1	0.9%

File : Vax-Trust - Delphi survey_database

EndDate: End Date

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

ResponseType: Response Type

Information [Type= discrete] [Format=numeric] [Range= 0-0] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0		112	100.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Progress

Information [Type= continuous] [Format=numeric] [Range= 29-100] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-] [Mean=98.571 /-] [StdDev=9.166 /-]

Durationinseconds: Duration (in seconds)

Information [Type= continuous] [Format=numeric] [Range= 122-354004] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-] [Mean=13709.857 /-] [StdDev=54825.01 /-]

Finished: Survey finished

Information [Type= discrete] [Format=numeric] [Range= 0-1] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
0	No	4	3.6%
1	Yes	108	96.4%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

RecordedDate: Recorded Date

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=112 /-]

Value	Label	Cases	Percentage
2023-08-28		12	10.7%
2023-08-29		20	17.9%
2023-08-30		13	11.6%
2023-08-31		3	2.7%
2023-09-01		4	3.6%
2023-09-04		9	8.0%
2023-09-05		5	4.5%
2023-09-06		8	7.1%
2023-09-07		2	1.8%
2023-09-08		11	9.8%
2023-09-09		2	1.8%
2023-09-10		2	1.8%
2023-09-11		6	5.4%
2023-09-12		3	2.7%
2023-09-13		2	1.8%
2023-09-14		1	0.9%
2023-09-15		8	7.1%

File : Vax-Trust - Delphi survey_database

RecordedDate: Recorded Date

Value	Label	Cases	Percentage
2023-09-18		1	0.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

DistributionChannel: Distribution Channel

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
anonymous		94	83.9%
email		18	16.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

UserLanguage: User Language

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
CS		14	12.5%
EN		13	11.6%
FI		16	14.3%
IT		20	17.9%
NL		11	9.8%
PL		15	13.4%
PT		23	20.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Consentment: Consent: I agree to participate in the research study. I understand the purpose and nature of this survey and I am participating voluntarily. I understand that I can withdraw from the study at any time, without any penalty or consequences.

Information	[Type= discrete] [Format=numeric] [Range= 1-1] [Missing=*]
Statistics [NW/ W]	[Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1		112	100.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R1: 1. Healthcare Professionals should consistently use strategies to minimize childrenâ€™s pain and/or discomfort during vaccination

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	1	0.9%
2	Disagree	1	0.9%
3	Neither agree nor disagree	6	5.4%
4	Agree	34	30.4%
5	Strongly agree	70	62.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File : Vax-Trust - Delphi survey_database

R2: 2. Healthcare Professionals should be more empathic to the needs of each child and family and strive to build a strong relationship of trust

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	0	
3	Neither agree nor disagree	6	5.4%
4	Agree	40	35.7%
5	Strongly agree	66	58.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R3: 3. Healthcare Professionals should acknowledge parents' concerns and doubts regarding vaccination as plausible and legitimate

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	5	4.5%
3	Neither agree nor disagree	14	12.5%
4	Agree	35	31.2%
5	Strongly agree	58	51.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R4: 4. Healthcare Professionals should recognise the singularity of each child and family and acknowledge their specific socio-cultural context

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	3	2.7%
3	Neither agree nor disagree	8	7.1%
4	Agree	52	46.4%
5	Strongly agree	49	43.8%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R5: 5. Healthcare Professionals should acknowledge children's agency and, wherever possible, address them directly and recognise their feelings

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	2	1.8%
2	Disagree	10	8.9%
3	Neither agree nor disagree	12	10.7%
4	Agree	38	33.9%
5	Strongly agree	50	44.6%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File : Vax-Trust - Delphi survey_database

R6: 6. Healthcare Professionals should be equipped with time and resources to keep up to date with scientific knowledge to discuss vaccination with parents

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	0	
3	Neither agree nor disagree	7	6.2%
4	Agree	26	23.2%
5	Strongly agree	79	70.5%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R7: 7. Healthcare Professionals should dedicate more time and resources to provide balanced information to parents on the benefits and potential side effects of vaccination

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	0	
3	Neither agree nor disagree	11	9.8%
4	Agree	44	39.3%
5	Strongly agree	57	50.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R8: 8. Healthcare Professionals should involve parents into vaccination process, namely by empowering them to self-manage vaccines' potential minor side effects

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=111 /-] [Invalid=1 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	1	0.9%
2	Disagree	6	5.4%
3	Neither agree nor disagree	20	18.0%
4	Agree	43	38.7%
5	Strongly agree	41	36.9%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R9: 9. Healthcare Professionals should show respect for all parents, regardless of their lifestyle practices

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	2	1.8%
3	Neither agree nor disagree	7	6.2%
4	Agree	37	33.0%
5	Strongly agree	66	58.9%

File : Vax-Trust - Delphi survey_database

R9: 9. Healthcare Professionals should show respect for all parents, regardless of their lifestyle practices

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R10: 10. Healthcare Organisations should provide training to Healthcare Professionals about how to effectively communicate with vaccine hesitant parents

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	2	1.8%
2	Disagree	3	2.7%
3	Neither agree nor disagree	5	4.5%
4	Agree	26	23.2%
5	Strongly agree	76	67.9%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R11: 11. Healthcare Organisations should try to reduce linguistic barriers between Healthcare Professionals and migrant parents, for instance, by providing translation services

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	1	0.9%
2	Disagree	0	
3	Neither agree nor disagree	12	10.7%
4	Agree	39	34.8%
5	Strongly agree	60	53.6%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R12: 12. Healthcare Organisations should target parents by providing evidence-based information on vaccination and vaccine-preventable diseases, and using clear and accessible language

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	2	1.8%
2	Disagree	5	4.5%
3	Neither agree nor disagree	4	3.6%
4	Agree	27	24.1%
5	Strongly agree	74	66.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R13: 13. Healthcare Organisations should extend the length of appointments promoting the communication between Healthcare Professionals and parents

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=112 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	7	6.2%
3	Neither agree nor disagree	12	10.7%

File : Vax-Trust - Delphi survey_database

R13: 13. Healthcare Organisations should extend the length of appointments promoting the communication between Healthcare Professionals and parents

Value	Label	Cases	Percentage
4	Agree	41	36.6%
5	Strongly agree	52	46.4%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R14: 14. Healthcare Authorities should create channels that may help Healthcare Professionals to clarify doubts regarding the potential side effects of vaccination

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=111 /-] [Invalid=1 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	6	5.4%
3	Neither agree nor disagree	8	7.2%
4	Agree	42	37.8%
5	Strongly agree	55	49.5%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R15: 15. Healthcare Authorities should take action to raise awareness of the importance of vaccination for diseases that are currently under control

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=111 /-] [Invalid=1 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	1	0.9%
2	Disagree	4	3.6%
3	Neither agree nor disagree	8	7.2%
4	Agree	30	27.0%
5	Strongly agree	68	61.3%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R16: 16. Healthcare Authorities should make vaccines-related information accessible to migrant families by, for instance, translating the vaccination schedule to different languages

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=111 /-] [Invalid=1 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	2	1.8%
3	Neither agree nor disagree	7	6.3%
4	Agree	32	28.8%
5	Strongly agree	70	63.1%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

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R17: 17. Healthcare Authorities should provide training to Healthcare Professionals on strategies to deal with children with special needs (e.g., cognitive, or physical disabilities) at the time of vaccination

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=111 /-] [Invalid=1 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	0	
3	Neither agree nor disagree	12	10.8%
4	Agree	38	34.2%
5	Strongly agree	61	55.0%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R18: 18. Healthcare Authorities should reinforce the social scientific knowledge about vaccination into Healthcare Professionalsâ€™ curriculum plan

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=111 /-] [Invalid=1 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	1	0.9%
2	Disagree	3	2.7%
3	Neither agree nor disagree	12	10.8%
4	Agree	37	33.3%
5	Strongly agree	58	52.3%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R19: 19. Healthcare Authorities should develop guidelines and examples of effective evidence-based communication practices (e.g. based on the motivational interviewing approach) between Healthcare Professionals and vaccine-hesitant parents

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=111 /-] [Invalid=1 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	1	0.9%
2	Disagree	3	2.7%
3	Neither agree nor disagree	11	9.9%
4	Agree	42	37.8%
5	Strongly agree	54	48.6%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R20: 20. Healthcare Authorities should involve local opinion leaders in the process of disseminating reliable information on vaccination

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]

Statistics [NW/ W] [Valid=111 /-] [Invalid=1 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	6	5.4%

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R20: 20. Healthcare Authorities should involve local opinion leaders in the process of disseminating reliable information on vaccination

Value	Label	Cases	Percentage
2	Disagree	9	8.1%
3	Neither agree nor disagree	24	21.6%
4	Agree	34	30.6%
5	Strongly agree	38	34.2%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R21: 21. Healthcare Authorities should use social media to disseminate scientific information on vaccination

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=111 /-] [Invalid=1 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	3	2.7%
2	Disagree	7	6.3%
3	Neither agree nor disagree	13	11.7%
4	Agree	33	29.7%
5	Strongly agree	55	49.5%
Sysmiss		1	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Country_work: 3.1 Please indicate the country where you work

Information	[Type= discrete] [Format=numeric] [Range= 1-8] [Missing=* /99]
Statistics [NW/ W]	[Valid=110 /-] [Invalid=2 /-]

Value	Label	Cases	Percentage
1	Belgium	13	11.8%
2	Czech Republic	12	10.9%
3	Finland	18	16.4%
4	Italy	20	18.2%
5	Poland	14	12.7%
6	Portugal	24	21.8%
7	UK	4	3.6%
8	Other	5	4.5%
99		2	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Country_work_Other: 3.1 Please indicate the country where you work - Other

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=5 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
Austria		2	40.0%
Ireland		1	20.0%
Slovakia		1	20.0%
Spain		1	20.0%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

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Age_band: 3.2. Age band

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*/99]

Statistics [NW/ W] [Valid=110 /-] [Invalid=2 /-]

Value	Label	Cases	Percentage
1	15 - 24	1	0.9%
2	25 - 39	19	17.3%
3	40 - 54	55	50.0%
4	55 or more	32	29.1%
5	Prefer not to answer	3	2.7%
99		2	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Gender_descr: 3.3. Gender identity

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=99 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
89		1	1.0%
Donna		1	1.0%
F		2	2.0%
Female		5	5.1%
Feminino		9	9.1%
Femmina		2	2.0%
Homem		1	1.0%
Kobieta		4	4.0%
M		3	3.0%
Male		1	1.0%
Man		1	1.0%
Maschile		1	1.0%
Maschio		5	5.1%
Masculino		2	2.0%
Masculino.		1	1.0%
MuÅ¾		1	1.0%
Nainen		4	4.0%
Uomo		1	1.0%
V		1	1.0%
Vrouw		4	4.0%
donna		1	1.0%
f		1	1.0%
female		2	2.0%
feminino		6	6.1%
femmina		1	1.0%
femminile		2	2.0%
k		1	1.0%
kobieta		4	4.0%
m		1	1.0%

File : Vax-Trust - Delphi survey_database

Gender_descr: 3.3. Gender identity

Value	Label	Cases	Percentage
maschile		1	1.0%
maschio		3	3.0%
mies		2	2.0%
mulher		1	1.0%
mu¼		1	1.0%
m¼czyszna		3	3.0%
nainen		7	7.1%
vrouw		4	4.0%
½ena		3	3.0%
¾ena		5	5.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Academic_degree: 3.4. Academic degree

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=*/99]
Statistics [NW/ W]	[Valid=109 /-] [Invalid=3 /-]

Value	Label	Cases	Percentage
1	Graduate	16	14.7%
2	Master	32	29.4%
3	PhD	52	47.7%
4	Other	9	8.3%
99		3	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Academic_degree_Other: 3.4. Academic degree - Other

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=9 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
Dr hab		1	11.1%
MD		1	11.1%
MUDr., doktor medicAny		1	11.1%
Ma na ma		1	11.1%
Profesor		1	11.1%
P³s Licenciatura de Enfermagem em Sa°de Infantil e Pediatria		1	11.1%
doktor habilitowany		1	11.1%
profesor		1	11.1%
specializzazione medica in sanitÅ pubblica		1	11.1%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

File : Vax-Trust - Delphi survey_database

Primary_sector_employment: 3.5. Primary sector of employment

Information [Type= discrete] [Format=numeric] [Range= 1-6] [Missing=*/99]

Statistics [NW/ W] [Valid=110 /-] [Invalid=2 /-]

Value	Label	Cases	Percentage
1	Academia	46	41.8%
2	Civil society	2	1.8%
3	Non-governmental organizations	4	3.6%
4	Healthcare services or organizations	39	35.5%
5	Governmental organizations	13	11.8%
6	Other	6	5.5%
99		2	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Primary_sector_employment_Other: 3.5. Primary sector of employment - Other

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=6 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
Akademick½ + zdravotnick© slu¼by		1	16.7%
Pharmaceutical Industry		2	33.3%
ammattijÄ rjestÄ¶		1	16.7%
industry		1	16.7%
instytut naukowy		1	16.7%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Main_professional_role: 3.6. Main professional role

Information [Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*/99]

Statistics [NW/ W] [Valid=109 /-] [Invalid=3 /-]

Value	Label	Cases	Percentage
1	Nurse	16	14.7%
2	General Practitioner	3	2.8%
3	Paediatrician	8	7.3%
4	Researcher	43	39.4%
5	Other	39	35.8%
99		3	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Main_professional_role_Other: 3.6. Main professional role - Other

Information [Type= discrete] [Format=character] [Missing=*]

Statistics [NW/ W] [Valid=38 /-] [Invalid=0 /-]

Value	Label	Cases	Percentage
Ammatin ja koulutuksen kehittäminen		1	2.6%
Asiantuntija		1	2.6%

File : Vax-Trust - Delphi survey_database

Main_professional_role_Other: 3.6. Main professional role - Other

Value	Label	Cases	Percentage
Associations		1	2.6%
CB-arts en CLB-arts		1	2.6%
CLB ARTS (preventie-arts)		1	2.6%
Docente		1	2.6%
Dziennikarz		1	2.6%
EsihenkilÅ¶		1	2.6%
Infectious disease specialist		1	2.6%
Jeugdarts		2	5.3%
Journalist		1	2.6%
Medico DIp prevenzione		1	2.6%
Medico SSN		1	2.6%
MÃ©dico de FamÃ©lia		1	2.6%
MÃ©dico de SaÃ©de PÃ©blica		1	2.6%
Nauczyciel akademicki		1	2.6%
OdbornÃ½ lÃ©kaÅ¶		1	2.6%
Pharmaceutical Industry Policy		1	2.6%
Policy		1	2.6%
Preventie arts		1	2.6%
Professor		1	2.6%
Public Affairs		1	2.6%
Specialist of Internal Medicine and Clinical Haematology		1	2.6%
ammattikorkeakou lehtori		1	2.6%
asiantuntija		1	2.6%
epidemiolog		1	2.6%
internist-infektiooog		1	2.6%
johtotehtÃ¤vissÃ¤		1	2.6%
lÃ©kaÅ¶-infektolog		1	2.6%
nauczyciel akademicki		2	5.3%
professori		1	2.6%
psycholog		1	2.6%
public affairs		1	2.6%

File : Vax-Trust - Delphi survey_database

Main_professional_role_Other: 3.6. Main professional role - Other

Value	Label	Cases	Percentage
specjalista zdrowia publicznego		1	2.6%
terveydenhoitaja		2	5.3%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Years_professional_experience: 3.7. Years of professional experience

Information	[Type= discrete] [Format=numeric] [Range= 1-4] [Missing=* /99]
Statistics [NW/ W]	[Valid=108 /-] [Invalid=4 /-]

Value	Label	Cases	Percentage
1	1 to 10	14	13.0%
2	11 to 20	38	35.2%
3	21 to 30	31	28.7%
4	More than 30	25	23.1%
99		4	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Managerial_position: 3.8. Currently in a managerial position (e.g. performing supervisory functions)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=* /99]
Statistics [NW/ W]	[Valid=110 /-] [Invalid=2 /-]

Value	Label	Cases	Percentage
1	Yes	52	47.3%
2	No	58	52.7%
99		2	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Second_round: Do you agree to be contacted to answer the second round of the Delphi survey?

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=* /99]
Statistics [NW/ W]	[Valid=106 /-] [Invalid=6 /-]

Value	Label	Cases	Percentage
1	Yes	93	87.7%
2	No	13	12.3%
99		6	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

ROUND_2 : ROUND_2

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=0 /-] [Invalid=0 /-]

StartDate_2round: Start Date (2nd round)

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=41 /-]

Value	Label	Cases	Percentage
2012-09-28		1	2.4%
2023-09-22		23	56.1%
2023-09-23		1	2.4%

File : Vax-Trust - Delphi survey_database

StartDate_2round: Start Date (2nd round)

Value	Label	Cases	Percentage
2023-09-24		1	2.4%
2023-09-25		9	22.0%
2023-09-26		5	12.2%
2023-09-28		1	2.4%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

EndDate_2round: End Date (2nd round)

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=41 /-]

Value	Label	Cases	Percentage
2012-09-28		1	2.4%
2023-09-22		23	56.1%
2023-09-23		1	2.4%
2023-09-24		1	2.4%
2023-09-25		9	22.0%
2023-09-26		5	12.2%
2023-09-28		1	2.4%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Progress_2round: Response rate (2nd round)

Information	[Type= discrete] [Format=numeric] [Range= 100-100] [Missing=*]
Statistics [NW/ W]	[Valid=41 /-] [Invalid=71 /-] [Mean=100 /-] [StdDev=0 /-]

Value	Label	Cases	Percentage
100		41	100.0%
Sysmiss		71	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

Finished_2round: Finish rate (2nd round)

Information	[Type= discrete] [Format=numeric] [Range= 1-2] [Missing=*/99]
Statistics [NW/ W]	[Valid=93 /-] [Invalid=19 /-]

Value	Label	Cases	Percentage
1	Yes	41	44.1%
2	No	52	55.9%
99		19	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

RecordedDate_2round: Recorded date (2nd round)

Information	[Type= discrete] [Format=character] [Missing=*]
Statistics [NW/ W]	[Valid=41 /-]

Value	Label	Cases	Percentage
2012-09-28		1	2.4%
2023-09-22		23	56.1%
2023-09-23		1	2.4%
2023-09-24		1	2.4%
2023-09-25		9	22.0%

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RecordedDate_2round: Recorded date (2nd round)

Value	Label	Cases	Percentage
2023-09-26		5	12.2%
2023-09-28		1	2.4%

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

# UserLanguage_2round: User Language (2nd round)			
Information	[Type= discrete] [Format=character] [Missing=*]		
Statistics [NW/ W]	[Valid=41 /-] [Invalid=0 /-]		
Value	Label	Cases	Percentage
CS		4	9.8%
EN		14	34.1%
FI		3	7.3%
IT		7	17.1%
NL		2	4.9%
PL		3	7.3%
PT		8	19.5%
<i>Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.</i>			
# R3_2ndround: 3. Healthcare Professionals should acknowledge parentsâ€™ concerns and doubts regarding vaccination as plausible and legitimate (2nd round)			
Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]		
Statistics [NW/ W]	[Valid=41 /-] [Invalid=71 /-]		
Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	0	
3	Neither agree nor disagree	7	17.1%
4	Agree	17	41.5%
5	Strongly agree	17	41.5%
Sysmiss		71	
<i>Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.</i>			
# R5_2ndround: 5. Healthcare Professionals should acknowledge childrenâ€™s agency and, wherever possible, address them directly and recognise their feelings (2nd round)			
Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]		
Statistics [NW/ W]	[Valid=41 /-] [Invalid=71 /-]		
Value	Label	Cases	Percentage
1	Strongly disagree	1	2.4%
2	Disagree	2	4.9%
3	Neither agree nor disagree	2	4.9%
4	Agree	16	39.0%
5	Strongly agree	20	48.8%
Sysmiss		71	
<i>Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.</i>			
# R8_2ndround: 8. Healthcare Professionals should involve parents into vaccination process, namely by empowering them to self-manage vaccinesâ€™ potential minor side effects (2nd round)			
Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]		
Statistics [NW/ W]	[Valid=41 /-] [Invalid=71 /-]		
Value	Label	Cases	Percentage
1	Strongly disagree	1	2.4%
2	Disagree	3	7.3%
3	Neither agree nor disagree	4	9.8%
4	Agree	9	22.0%

R8_2ndround: 8. Healthcare Professionals should involve parents into vaccination process, namely by empowering them to self-manage vaccinesâ€™ potential minor side effects (2nd round)

Value	Label	Cases	Percentage
5	Strongly agree	24	58.5%
Sysmiss		71	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R13_2ndround: 13. Healthcare Organisations should extend the length of appointments promoting the communication between Healthcare Professionals and parents (2nd round)

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=41 /-] [Invalid=71 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	0	
2	Disagree	1	2.4%
3	Neither agree nor disagree	7	17.1%
4	Agree	15	36.6%
5	Strongly agree	18	43.9%
Sysmiss		71	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R20_2ndround: 20. Healthcare Authorities should involve local opinion leaders in the process of disseminating reliable information on vaccination (2nd round)

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=41 /-] [Invalid=71 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	2	4.9%
2	Disagree	4	9.8%
3	Neither agree nor disagree	9	22.0%
4	Agree	13	31.7%
5	Strongly agree	13	31.7%
Sysmiss		71	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.

R21_2ndround: 21. Healthcare Authorities should use social media to disseminate scientific information on vaccination (2nd round)

Information	[Type= discrete] [Format=numeric] [Range= 1-5] [Missing=*]
Statistics [NW/ W]	[Valid=41 /-] [Invalid=71 /-]

Value	Label	Cases	Percentage
1	Strongly disagree	1	2.4%
2	Disagree	3	7.3%
3	Neither agree nor disagree	6	14.6%
4	Agree	17	41.5%
5	Strongly agree	14	34.1%
Sysmiss		71	

Warning: these figures indicate the number of cases found in the data file. They cannot be interpreted as summary statistics of the population of interest.