

Supplementary tables

Table S1. Socialdemographic and sociocultural characteristics of the populations refusing or showing hesitancy about vaccination

	Refusal					Hesitancy due to compoments					Hesitancy due to associated diseases					Hesitancy due to payment				
	No N=1076	Yes N=218	OR [95%CI]	p.ratio	p.overall	No N=925	Yes N=362	OR [95%CI]	p.ratio	p.overall	No N=891	Yes N=399	OR [95%CI]	p.ratio	p.overall	No N=914	Yes N=374	OR [95%CI]	p.ratio	p.overall
Age (recodified):					0.007					0.478					0.084					0.009
30 years old or less	155 (14.5%)	25 (11.6%)	Ref.	Ref.		123 (13.4%)	57 (16.0%)	Ref.	Ref.		112 (12.7%)	68 (17.2%)	Ref.	Ref.		117 (12.9%)	62 (16.8%)	Ref.	Ref.	
31-59 years old	796 (74.5%)	151 (69.9%)	1.17 [0.75;1.89]	0.495		684 (74.3%)	256 (71.7%)	0.81 [0.57;1.15]	0.228		659 (74.5%)	284 (71.7%)	0.71 [0.51;0.99]	0.045		666 (73.3%)	277 (74.9%)	0.78 [0.56;1.11]	0.163	
60 years old or more	117 (11.0%)	40 (18.5%)	2.11 [1.22;3.72]	0.008		114 (12.4%)	44 (12.3%)	0.83 [0.52;1.33]	0.448		114 (12.9%)	44 (11.1%)	0.64 [0.40;1.01]	0.054		126 (13.9%)	31 (8.38%)	0.47 [0.28;0.76]	0.002	
Gender (binary):					0.801					0.005					0.007					0.111
Man	272 (25.6%)	53 (24.5%)	Ref.	Ref.		253 (27.6%)	70 (19.8%)	Ref.	Ref.		243 (27.6%)	80 (20.3%)	Ref.	Ref.		240 (26.5%)	81 (22.1%)	Ref.	Ref.	
Woman	789 (74.4%)	163 (75.5%)	1.06 [0.76;1.50]	0.743		663 (72.4%)	284 (80.2%)	1.55 [1.15;2.10]	0.004		637 (72.4%)	314 (79.7%)	1.50 [1.13;2.00]	0.005		664 (73.5%)	286 (77.9%)	1.27 [0.96;1.71]	0.095	
University studies:					0.483					0.293					0.021					0.003
No	314 (29.4%)	58 (26.7%)	Ref.	Ref.		260 (28.2%)	112 (31.4%)	Ref.	Ref.		240 (27.1%)	133 (33.6%)	Ref.	Ref.		240 (26.4%)	129 (34.9%)	Ref.	Ref.	
Yes	755 (70.6%)	159 (73.3%)	1.14 [0.82;1.59]	0.437		662 (71.8%)	245 (68.6%)	0.86 [0.66;1.12]	0.264		647 (72.9%)	263 (66.4%)	0.73 [0.57;0.95]	0.018		670 (73.6%)	241 (65.1%)	0.67 [0.52;0.87]	0.003	
Do you have sons or daughters under 15 years old?					0.625					0.021					0.008					0.026
Yes	497 (46.5%)	106 (48.6%)	Ref.	Ref.		415 (45.0%)	187 (52.4%)	Ref.	Ref.		393 (44.3%)	208 (52.5%)	Ref.	Ref.		409 (45.0%)	193 (52.0%)	Ref.	Ref.	
No	571 (53.5%)	112 (51.4%)	0.92 [0.69;1.23]	0.574		507 (55.0%)	170 (47.6%)	0.74 [0.58;0.95]	0.018		494 (55.7%)	188 (47.5%)	0.72 [0.57;0.91]	0.007		500 (55.0%)	178 (48.0%)	0.75 [0.59;0.96]	0.023	
Your religious beliefs are:					<0.001					0.002					0.001					0.159

In favour of vaccination	415 (38.6%)	51 (23.4%)	Ref.	Ref.	349 (37.7%)	116 (32.0%)	Ref.	Ref.	341 (38.3%)	125 (31.3%)	Ref.	Ref.	342 (37.4%)	123 (32.9%)	Ref.	Ref.	
Against vaccination	4 (0.37%)	2 (0.92%)	4.19 [0.51;23.4]	0.159	3 (0.32%)	3 (0.83%)	3.00 [0.51;17.7]	0.210	3 (0.34%)	3 (0.75%)	2.72 [0.46;16.0]	0.252	2 (0.22%)	4 (1.07%)	5.35 [0.97;43.7]	0.054	
Has no opinion	159 (14.8%)	61 (28.0%)	3.11 [2.06;4.73]	<0.001	133 (14.4%)	85 (23.5%)	1.92 [1.36;2.71]	<0.001	129 (14.5%)	90 (22.6%)	1.90 [1.35;2.67]	<0.001	156 (17.1%)	64 (17.1%)	1.14 [0.80;1.63]	0.470	
I am not a believer	402 (37.4%)	92 (42.2%)	1.86 [1.29;2.70]	0.001	363 (39.2%)	129 (35.6%)	1.07 [0.80;1.43]	0.653	352 (39.5%)	140 (35.1%)	1.08 [0.82;1.44]	0.574	338 (37.0%)	153 (40.9%)	1.26 [0.95;1.67]	0.109	
I do not know	96 (8.92%)	12 (5.50%)	1.03 [0.50;1.94]	0.939	77 (8.32%)	29 (8.01%)	1.14 [0.70;1.81]	0.603	66 (7.41%)	41 (10.3%)	1.69 [1.08;2.63]	0.021	76 (8.32%)	30 (8.02%)	1.10 [0.68;1.75]	0.693	
Your culture is:				<0.001					<0.001					<0.001			<0.001
In favour of vaccination	948 (88.1%)	161 (73.9%)	Ref.	Ref.	831 (89.8%)	271 (74.9%)	Ref.	Ref.	806 (90.5%)	299 (74.9%)	Ref.	Ref.	808 (88.4%)	296 (79.1%)	Ref.	Ref.	
Against vaccination	5 (0.46%)	9 (4.13%)	10.4 [3.49;35.2]	<0.001	4 (0.43%)	10 (2.76%)	7.48 [2.44;28.3]	<0.001	3 (0.34%)	11 (2.76%)	9.51 [2.90;44.3]	<0.001	10 (1.09%)	4 (1.07%)	1.12 [0.29;3.43]	0.856	
Has no opinion	76 (7.06%)	36 (16.5%)	2.79 [1.80;4.27]	<0.001	52 (5.62%)	60 (16.6%)	3.53 [2.38;5.27]	<0.001	51 (5.72%)	61 (15.3%)	3.22 [2.17;4.80]	<0.001	64 (7.00%)	48 (12.8%)	2.05 [1.37;3.04]	0.001	
I do not know	47 (4.37%)	12 (5.50%)	1.52 [0.75;2.84]	0.233	38 (4.11%)	21 (5.80%)	1.70 [0.96;2.92]	0.067	31 (3.48%)	28 (7.02%)	2.43 [1.43;4.14]	0.001	32 (3.50%)	26 (6.95%)	2.22 [1.29;3.79]	0.004	
Your family is:				<0.001					<0.001					<0.001			<0.001
In favour of vaccination	999 (92.8%)	164 (75.2%)	Ref.	Ref.	867 (93.7%)	290 (80.1%)	Ref.	Ref.	840 (94.3%)	320 (80.2%)	Ref.	Ref.	847 (92.7%)	312 (83.4%)	Ref.	Ref.	
Against vaccination	18 (1.67%)	14 (6.42%)	4.74 [2.26;9.74]	<0.001	14 (1.51%)	18 (4.97%)	3.83 [1.88;7.98]	<0.001	8 (0.90%)	24 (6.02%)	7.76 [3.58;18.8]	<0.001	22 (2.41%)	10 (2.67%)	1.24 [0.55;2.60]	0.581	
Has no opinion	43 (4.00%)	31 (14.2%)	4.39 [2.67;7.16]	<0.001	33 (3.57%)	40 (11.0%)	3.62 [2.24;5.88]	<0.001	32 (3.59%)	41 (10.3%)	3.36 [2.08;5.46]	<0.001	32 (3.50%)	40 (10.7%)	3.39 [2.09;5.53]	<0.001	
I do not know	16 (1.49%)	9 (4.13%)	3.45 [1.42;7.84]	0.007	11 (1.19%)	14 (3.87%)	3.79 [1.69;8.70]	0.001	11 (1.23%)	14 (3.51%)	3.33 [1.49;7.64]	0.004	13 (1.42%)	12 (3.21%)	2.51 [1.11;5.63]	0.028	

Table S2. Characteristics of the population of the populations refusing vaccination

Have you ever refused a vaccine?	No n=1076	Yes n=218	OR [95% CI]	p.ratio	p.overall
Has the fact that vaccines contain components like thiomersal, aluminium, mercury or formaldehyde caused you any doubts about vaccines?					<0.001
Yes	260 (24.4%)	99 (45.4%)	Ref.	Ref.	
No	806 (75.6%)	119 (54.6%)	0.39 [0.29;0.52]	<0.001	
Has the fact that vaccines have been linked to diseases such as cancer, allergies, autism, sudden infant death syndrome, multiple sclerosis, asthma, and alterations of the immune system caused you any doubts about vaccines?					<0.001
Yes	297 (27.8%)	101 (46.3%)	Ref.	Ref.	
No	773 (72.2%)	117 (53.7%)	0.45 [0.33;0.60]	<0.001	
Has the fact that you have to pay for any of the vaccines caused you any doubts about vaccines?					0.370
Yes	305 (28.5%)	68 (31.8%)	Ref.	Ref.	
No	767 (71.5%)	146 (68.2%)	0.85 [0.62;1.18]	0.329	
Do you know that vaccinating yourself also protects other people?					<0.001
Yes	1048 (97.6%)	196 (89.9%)	Ref.	Ref.	
No	26 (2.42%)	22 (10.1%)	4.52 [2.48;8.16]	<0.001	
Would you be in favour of free and compulsory vaccination?					<0.001
Yes	801 (74.8%)	85 (39.2%)	Ref.	Ref.	
No	270 (25.2%)	132 (60.8%)	4.60 [3.39;6.26]	0.000	
Which source of information about vaccines do you think is most trustworthy? (choice=Healthcare professionals)					0.023
Unchecked	112 (10.4%)	35 (16.1%)	Ref.	Ref.	
Checked	964 (89.6%)	183 (83.9%)	0.61 [0.41;0.93]	0.021	
Which source of information about vaccines do you think is most trustworthy? (choice=Official healthcare websites)					0.046

Unchecked	337 (31.3%)	84 (38.5%)	Ref.	Ref.	
Checked	739 (68.7%)	134 (61.5%)	0.73 [0.54;0.99]	0.040	
Which source of information about vaccines do you think is most trustworthy? (choice=Social networks)					0.116
Unchecked	1039 (96.6%)	205 (94.0%)	Ref.	Ref.	
Checked	37 (3.44%)	13 (5.96%)	1.79 [0.90;3.36]	0.094	
Which source of information about vaccines do you think is most trustworthy? (choice=Family members)					0.067
Unchecked	1031 (95.8%)	202 (92.7%)	Ref.	Ref.	
Checked	45 (4.18%)	16 (7.34%)	1.82 [0.98;3.23]	0.057	
Which source of information about vaccines do you think is most trustworthy? (choice=Friends)					0.001
Unchecked	1047 (97.3%)	202 (92.7%)	Ref.	Ref.	
Checked	29 (2.70%)	16 (7.34%)	2.87 [1.49;5.33]	0.002	
Which source of information about vaccines do you think is most trustworthy? (choice=Television)					0.522
Unchecked	1001 (93.0%)	206 (94.5%)	Ref.	Ref.	
Checked	75 (6.97%)	12 (5.50%)	0.79 [0.40;1.42]	0.442	
Which source of information about vaccines do you think is most trustworthy? (choice=Radio)					0.718
Unchecked	1012 (94.1%)	207 (95.0%)	Ref.	Ref.	
Checked	64 (5.95%)	11 (5.05%)	0.85 [0.42;1.58]	0.624	
Healthcare professionals can understand anti-vaccination arguments?					0.005
Yes	641 (61.5%)	152 (72.0%)	Ref.	Ref.	
No	402 (38.5%)	59 (28.0%)	0.62 [0.44;0.85]	0.003	
Healthcare professionals have enough information to satisfy anti-vaccine people?					<0.001
Yes	682 (65.6%)	110 (52.4%)	Ref.	Ref.	
No	357 (34.4%)	100 (47.6%)	1.74 [1.29;2.34]	<0.001	

If you have a doubt about vaccination, would you consult a healthcare professional?					<0.001
Yes	1033 (96.3%)	185 (85.3%)	Ref.	Ref.	
No	40 (3.73%)	32 (14.7%)	4.46 [2.71;7.29]	<0.001	
Do you agree with vaccines?					<0.001
Totally agree	870 (81.0%)	112 (52.3%)	Ref.	Ref.	
Slightly agree	155 (14.4%)	60 (28.0%)	3.01 [2.09;4.29]	<0.001	
Indifferent	19 (1.77%)	13 (6.07%)	5.32 [2.49;11.0]	<0.001	
Slightly disagree	25 (2.33%)	18 (8.41%)	5.59 [2.91;10.6]	<0.001	
Totally disagree	5 (0.47%)	11 (5.14%)	16.7 [5.88;55.2]	<0.001	
Do you agree with breastfeeding?					0.414
Totally agree	869 (81.8%)	190 (87.2%)	Ref.	Ref.	
Slightly agree	90 (8.47%)	13 (5.96%)	0.67 [0.35;1.18]	0.171	
Indifferent	95 (8.95%)	14 (6.42%)	0.68 [0.36;1.18]	0.179	
Slightly disagree	8 (0.75%)	1 (0.46%)	0.64 [0.03;3.61]	0.670	
Totally disagree	5 (0.47%)	0 (0.00%)			
Do you agree with breastfeeding with formula milk?					<0.001
Totally agree	413 (38.9%)	54 (25.0%)	Ref.	Ref.	
Slightly agree	266 (25.0%)	53 (24.5%)	1.52 [1.01;2.30]	0.045	
Indifferent	247 (23.2%)	54 (25.0%)	1.67 [1.11;2.52]	0.014	
Slightly disagree	116 (10.9%)	38 (17.6%)	2.50 [1.57;3.98]	<0.001	
Totally disagree	21 (1.98%)	17 (7.87%)	6.16 [3.02;12.5]	<0.001	
Do you agree with alternative treatments (understood as treatments or techniques performed instead of the conventional treatments of traditional medicine, for example, using homeopathy instead of having a vaccine)					<0.001
Totally agree	49 (4.58%)	19 (8.88%)	Ref.	Ref.	
Slightly agree	126 (11.8%)	39 (18.2%)	0.80 [0.42;1.54]	0.492	

Indifferent	140 (13.1%)	36 (16.8%)	0.66 [0.35;1.28]	0.218	
Slightly disagree	209 (19.5%)	45 (21.0%)	0.55 [0.30;1.05]	0.070	
Totally disagree	547 (51.1%)	75 (35.0%)	0.35 [0.20;0.65]	0.001	
Do you agree with complementary treatments (understood as treatments or techniques performed in addition to the conventional treatments of traditional medicine, for example, having homeopathy or vitamins as well as having a vaccine)					0.236
Totally agree	357 (33.5%)	75 (34.9%)	Ref.	Ref.	
Slightly agree	267 (25.1%)	64 (29.8%)	1.14 [0.79;1.65]	0.485	
Indifferent	235 (22.1%)	48 (22.3%)	0.97 [0.65;1.45]	0.894	
Slightly disagree	87 (8.17%)	12 (5.58%)	0.66 [0.33;1.24]	0.204	
Totally disagree	119 (11.2%)	16 (7.44%)	0.64 [0.35;1.12]	0.125	
Do you agree with the consumption of cow's milk?					<0.001
Totally agree	589 (55.1%)	84 (38.9%)	Ref.	Ref.	
Slightly agree	162 (15.2%)	29 (13.4%)	1.26 [0.79;1.97]	0.331	
Indifferent	204 (19.1%)	54 (25.0%)	1.86 [1.27;2.70]	0.002	
Slightly disagree	78 (7.30%)	32 (14.8%)	2.88 [1.78;4.58]	<0.001	
Totally disagree	35 (3.28%)	17 (7.87%)	3.41 [1.79;6.30]	<0.001	
Do you follow a Mediterranean diet?					0.064
Mediterranean Diet	1011 (94.8%)	198 (91.2%)	Ref.	Ref.	
Other Diet	56 (5.25%)	19 (8.76%)	1.74 [0.99;2.95]	0.056	

Table S3. Characteristics of the population with hesitancy due to vaccine components

Has the fact that vaccines contain components like thiomersal, aluminium, mercury or formaldehyde caused you any doubts about vaccines?	No n=925	Yes n=362	OR [95%CI]	p.ratio	p.overall
Has the fact that vaccines have been linked to diseases such as cancer, allergies, autism, sudden infant death syndrome, multiple sclerosis, asthma, and alterations of the immune system caused you any doubts about vaccines?					<0.001
Yes	114 (12.3%)	284 (79.3%)	Ref.	Ref.	
No	811 (87.7%)	74 (20.7%)	0.04 [0.03;0.05]	0.000	
Has the fact that you have to pay for any of the vaccines caused you any doubts about vaccines?					<0.001
Yes	217 (23.5%)	154 (42.9%)	Ref.	Ref.	
No	705 (76.5%)	205 (57.1%)	0.41 [0.32;0.53]	<0.001	
Do you know that vaccinating yourself also protects other people?					<0.001
Yes	904 (97.7%)	331 (92.5%)	Ref.	Ref.	
No	21 (2.27%)	27 (7.54%)	3.50 [1.95;6.36]	<0.001	
Would you be in favour of free and compulsory vaccination?					<0.001
Yes	699 (75.9%)	181 (50.3%)	Ref.	Ref.	
No	222 (24.1%)	179 (49.7%)	3.11 [2.41;4.02]	0.000	
Which source of information about vaccines do you think is most trustworthy? (choice=Healthcare professionals)					0.001
Unchecked	88 (9.51%)	60 (16.6%)	Ref.	Ref.	
Checked	837 (90.5%)	302 (83.4%)	0.53 [0.37;0.76]	0.001	
Which source of information about vaccines do you think is most trustworthy? (choice=Official healthcare websites)					0.110
Unchecked	290 (31.4%)	131 (36.2%)	Ref.	Ref.	
Checked	635 (68.6%)	231 (63.8%)	0.81 [0.62;1.04]	0.098	
Which source of information about vaccines do you think is most trustworthy? (choice=Social networks)					<0.001

Unchecked	901 (97.4%)	336 (92.8%)	Ref.	Ref.	
Checked	24 (2.59%)	26 (7.18%)	2.90 [1.64;5.17]	<0.001	
Which source of information about vaccines do you think is most trustworthy? (choice=Family members)					<0.001
Unchecked	895 (96.8%)	332 (91.7%)	Ref.	Ref.	
Checked	30 (3.24%)	30 (8.29%)	2.69 [1.59;4.56]	<0.001	
Which source of information about vaccines do you think is most trustworthy? (choice=Friends)					0.003
Unchecked	902 (97.5%)	340 (93.9%)	Ref.	Ref.	
Checked	23 (2.49%)	22 (6.08%)	2.54 [1.38;4.64]	0.003	
Which source of information about vaccines do you think is most trustworthy? (choice=Television)					0.100
Unchecked	871 (94.2%)	331 (91.4%)	Ref.	Ref.	
Checked	54 (5.84%)	31 (8.56%)	1.51 [0.95;2.38]	0.084	
Which source of information about vaccines do you think is most trustworthy? (choice=Radio)					0.710
Unchecked	873 (94.4%)	339 (93.6%)	Ref.	Ref.	
Checked	52 (5.62%)	23 (6.35%)	1.14 [0.68;1.88]	0.609	
Healthcare professionals can understand anti-vaccination arguments?					<0.001
Yes	516 (57.7%)	275 (77.9%)	Ref.	Ref.	
No	379 (42.3%)	78 (22.1%)	0.39 [0.29;0.51]	<0.001	
Healthcare professionals have enough information to satisfy anti-vaccine people?					<0.001
Yes	611 (68.2%)	175 (50.1%)	Ref.	Ref.	
No	285 (31.8%)	174 (49.9%)	2.13 [1.65;2.74]	<0.001	
If you have a doubt about vaccination, would you consult a healthcare professional?					<0.001
Yes	894 (96.9%)	315 (87.5%)	Ref.	Ref.	
No	29 (3.14%)	45 (12.5%)	4.39 [2.72;7.20]	<0.001	
Do you agree with vaccines?					.

Totally agree	809 (87.6%)	165 (46.2%)	Ref.	Ref.	
Slightly agree	90 (9.74%)	124 (34.7%)	6.74 [4.91;9.29]	0.000	
Indifferent	12 (1.30%)	20 (5.60%)	8.10 [3.92;17.5]	<0.001	
Slightly disagree	10 (1.08%)	34 (9.52%)	16.4 [8.22;35.9]	0.000	
Totally disagree	3 (0.32%)	14 (3.92%)	21.9 [6.96;100]	<0.001	
Do you agree with breastfeeding?					0.606
Totally agree	763 (83.0%)	287 (81.3%)	Ref.	Ref.	
Slightly agree	75 (8.16%)	28 (7.93%)	1.00 [0.62;1.55]	0.986	
Indifferent	76 (8.27%)	34 (9.63%)	1.19 [0.77;1.81]	0.425	
Slightly disagree	5 (0.54%)	4 (1.13%)	2.14 [0.50;8.45]	0.284	
Totally disagree	3 (0.33%)	2 (0.56%)	1.81 [0.21;12.0]	0.548	
Do you agree with breastfeeding with formula milk?					<0.001
Totally agree	372 (40.4%)	93 (26.3%)	Ref.	Ref.	
Slightly agree	220 (23.9%)	96 (27.2%)	1.74 [1.25;2.43]	0.001	
Indifferent	220 (23.9%)	79 (22.4%)	1.44 [1.02;2.02]	0.040	
Slightly disagree	83 (9.02%)	72 (20.4%)	3.46 [2.35;5.12]	<0.001	
Totally disagree	25 (2.72%)	13 (3.68%)	2.09 [1.00;4.19]	0.051	
Do you agree with alternative treatments (understood as treatments or techniques performed instead of the conventional treatments of traditional medicine, for example, using homeopathy instead of having a vaccine)					<0.001
Totally agree	38 (4.12%)	30 (8.43%)	Ref.	Ref.	
Slightly agree	84 (9.10%)	81 (22.8%)	1.22 [0.69;2.17]	0.495	
Indifferent	104 (11.3%)	71 (19.9%)	0.86 [0.49;1.53]	0.617	
Slightly disagree	175 (19.0%)	78 (21.9%)	0.57 [0.33;0.98]	0.044	
Totally disagree	522 (56.6%)	96 (27.0%)	0.23 [0.14;0.40]	<0.001	

Do you agree with complementary treatments (understood as treatments or techniques performed in addition to the conventional treatments of traditional medicine, for example, having homeopathy or vitamins as well as having a vaccine) <0.001

Totally agree	290 (31.5%)	139 (39.4%)	Ref.	Ref.
Slightly agree	228 (24.8%)	101 (28.6%)	0.92 [0.68;1.26]	0.619
Indifferent	214 (23.3%)	68 (19.3%)	0.66 [0.47;0.93]	0.017
Slightly disagree	70 (7.61%)	29 (8.22%)	0.87 [0.53;1.39]	0.556
Totally disagree	118 (12.8%)	16 (4.53%)	0.29 [0.16;0.49]	<0.001

Do you agree with the consumption of cow's milk? <0.001

Totally agree	549 (59.6%)	119 (33.6%)	Ref.	Ref.
Slightly agree	127 (13.8%)	63 (17.8%)	2.29 [1.59;3.28]	<0.001
Indifferent	158 (17.2%)	99 (28.0%)	2.89 [2.10;3.98]	<0.001
Slightly disagree	60 (6.51%)	48 (13.6%)	3.68 [2.39;5.66]	<0.001
Totally disagree	27 (2.93%)	25 (7.06%)	4.26 [2.37;7.64]	<0.001

Do you follow a Mediterranean diet? <0.001

Mediterranean Diet	886 (96.1%)	316 (89.0%)	Ref.	Ref.
Other Diet	36 (3.90%)	39 (11.0%)	3.03 [1.89;4.88]	<0.001

Table S4. Characteristics of the population with hesitancy due to diseases attributed to vaccines

Has the fact that vaccines have been linked to diseases such as cancer, allergies, autism, sudden infant death syndrome, multiple sclerosis, asthma, and alterations of the immune system caused you any doubts or led you to refuse vaccines?	No n=891	Yes n=399	OR [95%CI]	p.ratio	p.overall
Has the fact that you have to pay for any of the vaccines caused you any doubts about vaccines?					<0.001
Yes	210 (23.7%)	161 (40.5%)	Ref.	Ref.	
No	676 (76.3%)	237 (59.5%)	0.46 [0.36;0.59]	<0.001	
Do you know that vaccinating yourself also protects other people?					<0.001
Yes	875 (98.3%)	364 (91.7%)	Ref.	Ref.	
No	15 (1.69%)	33 (8.31%)	5.25 [2.86;10.1]	<0.001	
Would you be in favour of free and compulsory vaccination?					<0.001
Yes	671 (75.6%)	214 (54.0%)	Ref.	Ref.	
No	217 (24.4%)	182 (46.0%)	2.63 [2.05;3.38]	<0.001	
Which source of information about vaccines do you think is most trustworthy? (choice=Healthcare professionals)					0.003
Unchecked	84 (9.43%)	61 (15.3%)	Ref.	Ref.	
Checked	807 (90.6%)	338 (84.7%)	0.58 [0.41;0.82]	0.003	
Which source of information about vaccines do you think is most trustworthy? (choice=Official healthcare websites)					0.105
Unchecked	277 (31.1%)	143 (35.8%)	Ref.	Ref.	
Checked	614 (68.9%)	256 (64.2%)	0.81 [0.63;1.04]	0.094	
Which source of information about vaccines do you think is most trustworthy? (choice=Social networks)					<0.001
Unchecked	870 (97.6%)	370 (92.7%)	Ref.	Ref.	
Checked	21 (2.36%)	29 (7.27%)	3.24 [1.83;5.84]	<0.001	
Which source of information about vaccines do you think is most trustworthy? (choice=Family members)					0.002

Unchecked	861 (96.6%)	369 (92.5%)	Ref.	Ref.	
Checked	30 (3.37%)	30 (7.52%)	2.33 [1.38;3.94]	0.002	
Which source of information about vaccines do you think is most trustworthy? (choice=Friends)					<0.001
Unchecked	873 (98.0%)	373 (93.5%)	Ref.	Ref.	
Checked	18 (2.02%)	26 (6.52%)	3.37 [1.83;6.34]	<0.001	
Which source of information about vaccines do you think is most trustworthy? (choice=Television)					0.080
Unchecked	840 (94.3%)	365 (91.5%)	Ref.	Ref.	
Checked	51 (5.72%)	34 (8.52%)	1.54 [0.97;2.40]	0.067	
Which source of information about vaccines do you think is most trustworthy? (choice=Radio)					0.105
Unchecked	846 (94.9%)	369 (92.5%)	Ref.	Ref.	
Checked	45 (5.05%)	30 (7.52%)	1.53 [0.94;2.46]	0.087	
Healthcare professionals can understand anti-vaccination arguments?					<0.001
Yes	504 (58.3%)	290 (74.6%)	Ref.	Ref.	
No	361 (41.7%)	99 (25.4%)	0.48 [0.36;0.62]	<0.001	
Healthcare professionals have enough information to satisfy anti-vaccine people?					<0.001
Yes	598 (69.5%)	192 (49.6%)	Ref.	Ref.	
No	263 (30.5%)	195 (50.4%)	2.31 [1.80;2.95]	<0.001	
If you have a doubt about vaccination, would you consult a healthcare professional?					<0.001
Yes	860 (96.7%)	353 (88.9%)	Ref.	Ref.	
No	29 (3.26%)	44 (11.1%)	3.69 [2.28;6.05]	<0.001	
Do you agree with vaccines?					.
Totally agree	782 (87.9%)	196 (49.6%)	Ref.	Ref.	
Slightly agree	83 (9.33%)	132 (33.4%)	6.33 [4.62;8.71]	0.000	
Indifferent	12 (1.35%)	20 (5.06%)	6.60 [3.20;14.2]	<0.001	

Slightly disagree	9 (1.01%)	35 (8.86%)	15.3 [7.50;34.5]	<0.001	
Totally disagree	4 (0.45%)	12 (3.04%)	11.6 [3.95;43.3]	<0.001	
Do you agree with breastfeeding?					0.090
Totally agree	745 (84.2%)	309 (79.0%)	Ref.	Ref.	
Slightly agree	64 (7.23%)	39 (9.97%)	1.47 [0.96;2.23]	0.076	
Indifferent	71 (8.02%)	39 (9.97%)	1.33 [0.87;1.99]	0.186	
Slightly disagree	5 (0.56%)	4 (1.02%)	1.94 [0.46;7.66]	0.348	
Totally disagree	2 (0.23%)	3 (0.76%)	3.53 [0.53;30.5]	0.184	
Do you agree with breastfeeding with formula milk?					0.005
Totally agree	344 (38.9%)	122 (31.2%)	Ref.	Ref.	
Slightly agree	212 (24.0%)	105 (26.9%)	1.40 [1.02;1.91]	0.037	
Indifferent	212 (24.0%)	88 (22.5%)	1.17 [0.85;1.62]	0.341	
Slightly disagree	90 (10.2%)	65 (16.6%)	2.03 [1.39;2.98]	<0.001	
Totally disagree	26 (2.94%)	11 (2.81%)	1.20 [0.55;2.46]	0.630	
Do you agree with alternative treatments (understood as treatments or techniques performed instead of the conventional treatments of traditional medicine, for example, using homeopathy instead of having a vaccine)					<0.001
Totally agree	34 (3.83%)	33 (8.35%)	Ref.	Ref.	
Slightly agree	77 (8.68%)	90 (22.8%)	1.20 [0.68;2.13]	0.525	
Indifferent	98 (11.0%)	78 (19.7%)	0.82 [0.47;1.45]	0.494	
Slightly disagree	165 (18.6%)	88 (22.3%)	0.55 [0.32;0.95]	0.033	
Totally disagree	513 (57.8%)	106 (26.8%)	0.21 [0.13;0.36]	<0.001	
Do you agree with complementary treatments (understood as treatments or techniques performed in addition to the conventional treatments of traditional medicine, for example, having homeopathy or vitamins as well as having a vaccine)					<0.001
Totally agree	273 (30.8%)	157 (40.2%)	Ref.	Ref.	

Slightly agree	222 (25.1%)	109 (27.9%)	0.85 [0.63;1.15]	0.306	
Indifferent	209 (23.6%)	73 (18.7%)	0.61 [0.44;0.84]	0.003	
Slightly disagree	70 (7.91%)	28 (7.16%)	0.70 [0.43;1.12]	0.137	
Totally disagree	111 (12.5%)	24 (6.14%)	0.38 [0.23;0.60]	<0.001	
Do you agree with the consumption of cow's milk?					<0.001
Totally agree	530 (59.8%)	142 (36.1%)	Ref.	Ref.	
Slightly agree	123 (13.9%)	68 (17.3%)	2.06 [1.45;2.92]	<0.001	
Indifferent	155 (17.5%)	102 (26.0%)	2.45 [1.80;3.35]	<0.001	
Slightly disagree	53 (5.98%)	55 (14.0%)	3.86 [2.54;5.90]	<0.001	
Totally disagree	26 (2.93%)	26 (6.62%)	3.72 [2.09;6.65]	<0.001	
Do you follow a Mediterranean diet?					<0.001
Mediterranean diet	853 (96.2%)	354 (89.6%)	Ref.	Ref.	
Other diet	34 (3.83%)	41 (10.4%)	2.90 [1.81;4.68]	<0.001	

Table S5. Characteristics of the population with hesitancy due to the payment of vaccines

Has the fact that you have to pay for any of the vaccines caused you any doubts or led you to refuse vaccines?	No N=914	Yes N=374	OR [95%CI]	p.ratio	p.overall
Do you know that vaccinating yourself also protects other people?					0.142
Yes	882 (96.8%)	355 (94.9%)	Ref.	Ref.	
No	29 (3.18%)	19 (5.08%)	1.63 [0.89;2.94]	0.113	
Would you be in favour of free and compulsory vaccination?					0.003
Yes	649 (71.4%)	234 (62.7%)	Ref.	Ref.	
No	260 (28.6%)	139 (37.3%)	1.48 [1.15;1.91]	0.003	
Which source of information about vaccines do you think is most trustworthy? (choice=Healthcare professionals)					0.673
Unchecked	107 (11.7%)	40 (10.7%)	Ref.	Ref.	
Checked	807 (88.3%)	334 (89.3%)	1.10 [0.76;1.64]	0.611	
Which source of information about vaccines do you think is most trustworthy? (choice=Official healthcare websites)					0.022
Unchecked	278 (30.4%)	139 (37.2%)	Ref.	Ref.	
Checked	636 (69.6%)	235 (62.8%)	0.74 [0.57;0.95]	0.020	
Which source of information about vaccines do you think is most trustworthy? (choice=Social networks)					0.206
Unchecked	883 (96.6%)	355 (94.9%)	Ref.	Ref.	
Checked	31 (3.39%)	19 (5.08%)	1.53 [0.84;2.73]	0.164	
Which source of information about vaccines do you think is most trustworthy? (choice=Family members)					0.050
Unchecked	878 (96.1%)	349 (93.3%)	Ref.	Ref.	
Checked	36 (3.94%)	25 (6.68%)	1.75 [1.02;2.95]	0.042	
Which source of information about vaccines do you think is most trustworthy? (choice=Friends)					0.002
Unchecked	892 (97.6%)	351 (93.9%)	Ref.	Ref.	
Checked	22 (2.41%)	23 (6.15%)	2.65 [1.45;4.86]	0.002	

Which source of information about vaccines do you think is most trustworthy? (choice=Television)					1.000
Unchecked	854 (93.4%)	350 (93.6%)	Ref.	Ref.	
Checked	60 (6.56%)	24 (6.42%)	0.98 [0.59;1.58]	0.935	
Which source of information about vaccines do you think is most trustworthy? (choice=Radio)					0.652
Unchecked	860 (94.1%)	355 (94.9%)	Ref.	Ref.	
Checked	54 (5.91%)	19 (5.08%)	0.86 [0.49;1.44]	0.571	
Healthcare professionals can understand anti-vaccination arguments?					0.002
Yes	540 (60.7%)	253 (70.3%)	Ref.	Ref.	
No	350 (39.3%)	107 (29.7%)	0.65 [0.50;0.85]	0.001	
Healthcare professionals have enough information to satisfy anti-vaccine people?					0.005
Yes	581 (65.7%)	206 (57.1%)	Ref.	Ref.	
No	303 (34.3%)	155 (42.9%)	1.44 [1.12;1.85]	0.004	
If you have a doubt about vaccination, would you consult a healthcare professional?					0.190
Yes	866 (95.1%)	347 (93.0%)	Ref.	Ref.	
No	45 (4.94%)	26 (6.97%)	1.45 [0.87;2.37]	0.156	
Do you agree with vaccines?					<0.001
Totally agree	729 (80.1%)	250 (67.2%)	Ref.	Ref.	
Slightly agree	130 (14.3%)	82 (22.0%)	1.84 [1.34;2.51]	<0.001	
Indifferent	16 (1.76%)	15 (4.03%)	2.73 [1.31;5.67]	0.008	
Slightly disagree	24 (2.64%)	20 (5.38%)	2.43 [1.30;4.49]	0.006	
Totally disagree	11 (1.21%)	5 (1.34%)	1.35 [0.41;3.80]	0.597	
Do you agree with breastfeeding?					0.512
Totally agree	756 (83.6%)	297 (80.5%)	Ref.	Ref.	
Slightly agree	71 (7.85%)	32 (8.67%)	1.15 [0.73;1.77]	0.536	
Indifferent	70 (7.74%)	38 (10.3%)	1.38 [0.90;2.09]	0.133	

Slightly disagree	7 (0.77%)	2 (0.54%)	0.77 [0.10;3.29]	0.742	
Totally disagree	3 (0.33%)	2 (0.54%)	1.74 [0.20;11.5]	0.576	
Do you agree with breastfeeding with formula milk?					0.007
Totally agree	356 (39.3%)	110 (29.8%)	Ref.	Ref.	
Slightly agree	215 (23.8%)	103 (27.9%)	1.55 [1.13;2.13]	0.007	
Indifferent	211 (23.3%)	87 (23.6%)	1.33 [0.96;1.85]	0.087	
Slightly disagree	96 (10.6%)	58 (15.7%)	1.95 [1.32;2.88]	0.001	
Totally disagree	27 (2.98%)	11 (2.98%)	1.33 [0.61;2.71]	0.459	
Do you agree with alternative treatments (understood as treatments or techniques performed instead of the conventional treatments of traditional medicine, for example, using homeopathy instead of having a vaccine)					<0.001
Totally agree	46 (5.07%)	21 (5.65%)	Ref.	Ref.	
Slightly agree	103 (11.3%)	63 (16.9%)	1.33 [0.73;2.48]	0.347	
Indifferent	118 (13.0%)	57 (15.3%)	1.06 [0.58;1.96]	0.863	
Slightly disagree	154 (17.0%)	97 (26.1%)	1.37 [0.78;2.49]	0.276	
Totally disagree	487 (53.6%)	134 (36.0%)	0.60 [0.35;1.06]	0.079	
Do you agree with complementary treatments (understood as treatments or techniques performed in addition to the conventional treatments of traditional medicine, for example, having homeopathy or vitamins as well as having a vaccine)					0.182
Totally agree	315 (34.7%)	116 (31.6%)	Ref.	Ref.	
Slightly agree	219 (24.1%)	109 (29.7%)	1.35 [0.99;1.85]	0.060	
Indifferent	200 (22.1%)	81 (22.1%)	1.10 [0.79;1.54]	0.578	
Slightly disagree	69 (7.61%)	30 (8.17%)	1.18 [0.72;1.90]	0.496	
Totally disagree	104 (11.5%)	31 (8.45%)	0.81 [0.51;1.27]	0.365	
Do you agree with the consumption of cow's milk?					<0.001

Totally agree	521 (57.3%)	148 (40.2%)	Ref.	Ref.	
Slightly agree	125 (13.8%)	66 (17.9%)	1.86 [1.31;2.63]	0.001	
Indifferent	167 (18.4%)	89 (24.2%)	1.88 [1.37;2.57]	<0.001	
Slightly disagree	65 (7.15%)	44 (12.0%)	2.38 [1.55;3.63]	<0.001	
Totally disagree	31 (3.41%)	21 (5.71%)	2.39 [1.31;4.26]	0.005	
Do you follow a Mediterranean diet?					0.173
Mediterranean diet	863 (94.8%)	342 (92.7%)	Ref.	Ref.	
Other diet	47 (5.16%)	27 (7.32%)	1.45 [0.88;2.36]	0.143	

Table S6: Refusal by type of vaccine

Vaccine behaviours by type		Gender		Age			University studies		Do you have children aged 15 or under?		
		Men	Women	30 years old or less	31-59 years	60 years old and over	No	Yes	Yes	No	
Diphtheria	No	n	322	943	178	937	157	371	903	595	679
		%	98.8%	98.8%	98.9%	98.8%	98.7%	99.2%	98.7%	98.5%	99.1%
	Yes	n	4	11	2	11	2	3	12	9	6
		%	1.2%	1.2%	1.1%	1.2%	1.3%	0.8%	1.3%	1.5%	0.9%
Influenza	No	n	296	849	167	859	127	339	815	540	614
		%	90.8%	89.0%	92.8%	90.6%	79.9%	90.6%	89.1%	89.4%	89.6%
	Yes	n	30	105	13	89	32	35	100	64	71
		%	9.2%	11.0%	7.2%	9.4%	20.1%	9.4%	10.9%	10.6%	10.4%
Haemophilus influenzae type B	No	n	323	949	179	942	158	372	909	597	684
		%	99.1%	99.5%	99.4%	99.4%	99.4%	99.5%	99.3%	98.8%	99.9%
	Yes	n	3	5	1	6	1	2	6	7	1
		%	0.9%	0.5%	0.6%	0.6%	0.6%	0.5%	0.7%	1.2%	0.1%
Hepatitis A	No	n	322	940	175	937	157	368	903	595	676
		%	98.8%	98.5%	97.2%	98.8%	98.7%	98.4%	98.7%	98.5%	98.7%
	Yes	n	4	14	5	11	2	6	12	9	9
		%	1.2%	1.5%	2.8%	1.2%	1.3%	1.6%	1.3%	1.5%	1.3%
Hepatitis B	No	n	319	933	174	930	155	368	893	591	670
		%	97.9%	97.8%	96.7%	98.1%	97.5%	98.4%	97.6%	97.8%	97.8%
	Yes	n	7	21	6	18	4	6	22	13	15
		%	2.1%	2.2%	3.3%	1.9%	2.5%	1.6%	2.4%	2.2%	2.2%
Meningococcal ACWY (Nimenrix®, Menveo®)	No	n	322	943	177	938	157	370	904	594	680
		%	98.8%	98.8%	98.3%	98.9%	98.7%	98.9%	98.8%	98.3%	99.3%
	Yes	n	4	11	3	10	2	4	11	10	5
		%	1.2%	1.2%	1.7%	1.1%	1.3%	1.1%	1.2%	1.7%	0.7%
Meningococcal B (Bexero®, Trumemba®)	No	n	323	939	179	933	157	369	902	589	682
		%	99.1%	98.4%	99.4%	98.4%	98.7%	98.7%	98.6%	97.5%	99.6%
	Yes	n	3	15	1	15	2	5	13	15	3
		%	0.9%	1.6%	0.6%	1.6%	1.3%	1.3%	1.4%	2.5%	0.4%
Meningococcal C	No	n	323	945	179	939	157	371	906	596	681
		%	99.1%	99.1%	99.4%	99.1%	98.7%	99.2%	99.0%	98.7%	99.4%
	Yes	n	3	9	1	9	2	3	9	8	4
		%	0.9%	0.9%	0.6%	0.9%	1.3%	0.8%	1.0%	1.3%	0.6%
Pneumococcal	No	n	321	944	178	938	156	370	904	595	679
		%	98.5%	99.0%	98.9%	98.9%	98.1%	98.9%	98.8%	98.5%	99.1%
	Yes	n	5	10	2	10	3	4	11	9	6
		%	1.5%	1.0%	1.1%	1.1%	1.9%	1.1%	1.2%	1.5%	0.9%
Polio	No	n	321	944	177	938	157	370	904	595	679
		%	98.5%	99.0%	98.3%	98.9%	98.7%	98.9%	98.8%	98.5%	99.1%
	Yes	n	5	10	3	10	2	4	11	9	6
		%	1.5%	1.0%	1.7%	1.1%	1.3%	1.1%	1.2%	1.5%	0.9%

Rotavirus (Rotarix®, Rotateq®)	No	n	322	935	178	927	158	372	893	581	684
		%	98.8%	98.0%	98.9%	97.8%	99.4%	99.5%	97.6%	96.2%	99.9%
	Yes	n	4	19	2	21	1	2	22	23	1
		%	1.2%	2.0%	1.1%	2.2%	0.6%	0.5%	2.4%	3.8%	0.1%
Tetanus	No	n	306	934	176	923	148	355	894	589	660
		%	93.9%	97.9%	97.8%	97.4%	93.1%	94.9%	97.7%	97.5%	96.4%
	Yes	n	20	20	4	25	11	19	21	15	25
		%	6.1%	2.1%	2.2%	2.6%	6.9%	5.1%	2.3%	2.5%	3.6%
Petruissis (Whooping cough)	No	n	321	945	179	937	157	372	903	595	680
		%	98.5%	99.1%	99.4%	98.8%	98.7%	99.5%	98.7%	98.5%	99.3%
	Yes	n	5	9	1	11	2	2	12	9	5
		%	1.5%	0.9%	0.6%	1.2%	1.3%	0.5%	1.3%	1.5%	0.7%
MMR – Measles, Mumps and Rubella	No	n	319	939	177	931	157	369	898	593	674
		%	97.9%	98.4%	98.3%	98.2%	98.7%	98.7%	98.1%	98.2%	98.4%
	Yes	n	7	15	3	17	2	5	17	11	11
		%	2.1%	1.6%	1.7%	1.8%	1.3%	1.3%	1.9%	1.8%	1.6%
Papilloma (HPV)	No	n	322	923	174	922	156	368	886	583	671
		%	98.8%	96.8%	96.7%	97.3%	98.1%	98.4%	96.8%	96.5%	98.0%
	Yes	n	4	31	6	26	3	6	29	21	14
		%	1.2%	3.2%	3.3%	2.7%	1.9%	1.6%	3.2%	3.5%	2.0%
Varicella	No	n	318	931	172	928	156	363	895	585	673
		%	97.5%	97.6%	95.6%	97.9%	98.1%	97.1%	97.8%	96.9%	98.2%
	Yes	n	8	23	8	20	3	11	20	19	12
		%	2.5%	2.4%	4.4%	2.1%	1.9%	2.9%	2.2%	3.1%	1.8%
Vaccine type not remembered	No	n	313	931	172	925	153	364	889	586	666
		%	96.0%	97.6%	95.6%	97.6%	96.2%	97.3%	97.2%	97.0%	97.2%
	Yes	n	13	23	8	23	6	10	26	18	19
		%	4.0%	2.4%	4.4%	2.4%	3.8%	2.7%	2.8%	3.0%	2.8%

Statistically significant associations ($p < 0.05$) are marked with colour shaded cells on the table.

Table S7. Vaccination behaviours by sex

	Men <i>n</i> =326	Women <i>n</i> =954	OR [95%CI]	p.ratio	p.overall
Have you ever refused a vaccine?					0.801
Yes	53 (16.3%)	163 (17.1%)	Ref.	Ref.	
No	272 (83.7%)	789 (82.9%)	0.94 [0.67;1.32]	0.743	
Which vaccine have you refused? (choice=Tétanus):					0.001
Unchecked	306 (93.9%)	934 (97.9%)	Ref.	Ref.	
Checked	20 (6.13%)	20 (2.10%)	0.33 [0.17;0.62]	0.001	
Who was the vaccine for? (choice=Sons and daughters):					0.050
Unchecked	315 (96.6%)	892 (93.5%)	Ref.	Ref.	
Checked	11 (3.37%)	62 (6.50%)	1.97 [1.06;4.00]	0.030	
Do you know that vaccinating yourself also protects other people?					0.057
Yes	306 (94.4%)	923 (97.0%)	Ref.	Ref.	
No	18 (5.56%)	29 (3.05%)	0.53 [0.29;0.99]	0.048	
Would you be in favour of free and compulsory vaccination?					0.071
Yes	209 (64.5%)	666 (70.1%)	Ref.	Ref.	
No	115 (35.5%)	284 (29.9%)	0.77 [0.59;1.01]	0.063	
Has the fact that vaccines contain components like thiomersal, aluminium, mercury or formaldehyde caused you any doubts about vaccines?					0.005
Yes	70 (21.7%)	284 (30.0%)	Ref.	Ref.	
No	253 (78.3%)	663 (70.0%)	0.65 [0.48;0.87]	0.004	
Has the fact that vaccines have been linked to diseases such as cancer, allergies, autism, sudden infant death syndrome, multiple sclerosis, asthma, and alterations of the immune system caused you any doubts about vaccines?					0.007
Yes	80 (24.8%)	314 (33.0%)	Ref.	Ref.	
No	243 (75.2%)	637 (67.0%)	0.67 [0.50;0.89]	0.005	

Has the fact that you have to pay for any of the vaccines caused you any doubts about vaccines?					0.111
Yes	81 (25.2%)	286 (30.1%)	Ref.	Ref.	
No	240 (74.8%)	664 (69.9%)	0.78 [0.59;1.04]	0.095	
Which source of information about vaccines do you think is most trustworthy? (choice=Healthcare professionals)					0.437
Unchecked	41 (12.6%)	103 (10.8%)	Ref.	Ref.	
Checked	285 (87.4%)	851 (89.2%)	1.19 [0.80;1.74]	0.381	
Which source of information about vaccines do you think is most trustworthy? (choice=Official healthcare websites)					0.007
Unchecked	126 (38.7%)	290 (30.4%)	Ref.	Ref.	
Checked	200 (61.3%)	664 (69.6%)	1.44 [1.11;1.87]	0.007	
Which source of information about vaccines do you think is most trustworthy? (choice=Social networks)					0.007
Unchecked	305 (93.6%)	926 (97.1%)	Ref.	Ref.	
Checked	21 (6.44%)	28 (2.94%)	0.44 [0.25;0.79]	0.007	
Which source of information about vaccines do you think is most trustworthy? (choice=Family members)					0.171
Unchecked	306 (93.9%)	915 (95.9%)	Ref.	Ref.	
Checked	20 (6.13%)	39 (4.09%)	0.65 [0.38;1.16]	0.138	
Which source of information about vaccines do you think is most trustworthy? (choice=Friends)					0.918
Unchecked	314 (96.3%)	922 (96.6%)	Ref.	Ref.	
Checked	12 (3.68%)	32 (3.35%)	0.90 [0.47;1.85]	0.765	
Which source of information about vaccines do you think is most trustworthy? (choice=Television)					<0.001
Unchecked	288 (88.3%)	905 (94.9%)	Ref.	Ref.	
Checked	38 (11.7%)	49 (5.14%)	0.41 [0.26;0.64]	<0.001	

Which source of information about vaccines do you think is most trustworthy? (choice=Radio)					0.002
Unchecked	295 (90.5%)	909 (95.3%)	Ref.	Ref.	
Checked	31 (9.51%)	45 (4.72%)	0.47 [0.29;0.76]	0.003	
Healthcare professionals can understand anti-vaccination arguments?					0.661
Yes	195 (61.9%)	588 (63.5%)	Ref.	Ref.	
No	120 (38.1%)	338 (36.5%)	0.93 [0.72;1.22]	0.612	
Healthcare professionals have enough information to satisfy anti-vaccine people?					0.260
Yes	205 (66.1%)	578 (62.4%)	Ref.	Ref.	
No	105 (33.9%)	349 (37.6%)	1.18 [0.90;1.55]	0.233	
If you have a doubt about vaccination, would you consult a healthcare professional?					0.173
Yes	301 (92.6%)	903 (94.9%)	Ref.	Ref.	
No	24 (7.38%)	49 (5.15%)	0.68 [0.41;1.14]	0.143	
Do you agree with vaccines?					0.007
Totally agree	252 (77.8%)	721 (75.7%)	Ref.	Ref.	
Slightly agree	43 (13.3%)	170 (17.9%)	1.38 [0.97;2.00]	0.078	
Indifferent	10 (3.09%)	19 (2.00%)	0.66 [0.31;1.51]	0.310	
Slightly disagree	9 (2.78%)	35 (3.68%)	1.34 [0.66;3.03]	0.431	
Totally disagree	10 (3.09%)	7 (0.74%)	0.25 [0.09;0.66]	0.005	
Do you agree with alternative treatments (understood as treatments or techniques performed instead of the conventional treatments of traditional medicine, for example, using homeopathy instead of having a vaccine)					0.252
Totally agree	21 (6.46%)	48 (5.05%)	Ref.	Ref.	
Slightly agree	37 (11.4%)	128 (13.5%)	1.51 [0.80;2.84]	0.204	
Indifferent	53 (16.3%)	119 (12.5%)	0.98 [0.53;1.80]	0.961	
Slightly disagree	57 (17.5%)	195 (20.5%)	1.50 [0.82;2.69]	0.188	

Totally disagree	157 (48.3%)	460 (48.4%)	1.29 [0.73;2.19]	0.373	
Do you agree with complementary treatments (understood as treatments or techniques performed in addition to the conventional treatments of traditional medicine, for example, having homeopathy or vitamins as well as having a vaccine)					<0.001
Totally agree	81 (25.0%)	350 (37.0%)	Ref.	Ref.	
Slightly agree	77 (23.8%)	252 (26.6%)	0.76 [0.53;1.08]	0.123	
Indifferent	89 (27.5%)	190 (20.1%)	0.49 [0.35;0.70]	<0.001	
Slightly disagree	27 (8.33%)	71 (7.50%)	0.61 [0.37;1.02]	0.059	
Totally disagree	50 (15.4%)	84 (8.87%)	0.39 [0.25;0.60]	<0.001	

Table S8. Results by sex and children

	With children under 14 years old			Without children under 14 years old		
	Men <i>n</i> =133	Women <i>n</i> =469	p.overall	Men <i>n</i> =193	Women <i>n</i> =482	p.overall
Have you ever refused a vaccine?			0.929			0.905
Yes	22 (16.7%)	82 (17.5%)		31 (16.1%)	81 (16.8%)	
No	110 (83.3%)	387 (82.5%)		162 (83.9%)	401 (83.2%)	
Has the fact that vaccines contain components like thiomersal, aluminium, mercury or formaldehyde caused you any doubts about vaccines?			0.166			0.027
Yes	34 (25.6%)	151 (32.3%)		36 (18.9%)	132 (27.6%)	
No	99 (74.4%)	316 (67.7%)		154 (81.1%)	347 (72.4%)	
Has the fact that vaccines have been linked to diseases such as cancer, allergies, autism, sudden infant death syndrome, multiple sclerosis, asthma, and alterations of the immune system caused you any doubts about vaccines?			0.433			0.010
Yes	41 (31.3%)	166 (35.5%)		39 (20.3%)	147 (30.5%)	
No	90 (68.7%)	302 (64.5%)		153 (79.7%)	335 (69.5%)	
Has the fact that you have to pay for any of the vaccines caused you any doubts about vaccines?			0.497			0.212
Yes	38 (29.0%)	153 (32.6%)		43 (22.6%)	133 (27.7%)	
No	93 (71.0%)	316 (67.4%)		147 (77.4%)	347 (72.3%)	