## Supplementary tables

Table S1: Reasons for not wanting to get vaccinated after experimental manipulation\*

	Overall samp	le (N=306)	Only White ethr	ic background (N=118)	Model 3: Black, Asian, mixed or other ethnic backgrou (N=188)		
eason	N	(%)	N	(%)	N	(%)	
Fear of side effect	201	65.9	83	70.9	118	62.8	
Vaccine does not offer protection	115	37.7	47	40.2	68	36.2	
Critical reports in media	69	22.6	25	21.4	44	23.4	
General objections against vaccination	63	20.7	28	23.9	35	18.6	
Fear of needles	44	14.4	20	17.1	24	12.8	
Other reasons	37	12.1	16	13.7	21	11.2	
Disease is harmless	30	9.8	8	6.8	22	11.7	
Discouraged by family/friends' opinion	26	8.5	9	7.7	17	9.0	
Discouraged by physician's opinion	17	5.6	9	7.7	8	4.3	
Difficulties getting to the appointment	14	4.6	6	5.1	8	4.3	
Too much effort	8	2.6	2	1.7	6	3.2	

\*only answered by study participants that stated low vaccination intentions [1-4] after the experimental manipulation

## Table S2: Descriptive statistics across experimental conditions

	Control (N=167)		Society (N	N=176)	Family an	d friends (N=169)	Total (N=512)		
	Ν	(%)	Ν	(%)	Ν	(%)	N	(%)	
Vaccination status									
Have been invited	101	(60.5%)	94	(53.4%)	107	(63.3%)	302	(59.0%)	
Not been invited yet	66	(39.5%)	82	(46.6%)	62	(36.7%)	210	(41.0%)	
Age									
18-24 years old	54	(32.3%)	52	(29.5%)	43	(25.4%)	149	(29.1%)	
25-34 years old	74	(44.3%)	90	(51.1%)	72	(42.6%)	236	(46.1%)	
35-44 years old	14	(8.4%)	14	(8.0%)	35	(20.7%)	63	(12.3%)	
45+ years old	25	(15.0%)	20	(11.3%)	19	(11.2%)	64	(12.5%)	
Gender									
Male	74	(44.3%)	81	(46.0%)	67	(39.6%)	222	(43.4%)	
Female	93	(55.7%)	93	(52.8%)	99	(58.6%)	285	(55.7%)	
Non-binary	0	(0.0%)	2	(1.1%)	3	(1.8%)	5	(1.0%)	
Ethnicity									
White	72	(43.1%)	78	(44.3%)	57	(33.7%)	207	(40.4%)	
Mixed	16	(9.6%)	30	(17.0%)	23	(13.6%)	69	(13.5%)	
Asian	30	(18.0%)	34	(19.3%)	36	(21.3%)	100	(19.5%)	
Black	45	(26.9%)	32	(18.2%)	46	(27.2%)	123	(24.0%)	
Arab or other	4	(2.4%)	2	(1.1%)	7	(4.1%)	13	(2.5%)	
A-levels		, , ,				· · ·			
No	29	(17.4%)	31	(17.6%)	46	(27.2%)	106	(20.7%)	
Yes	138	(82.6%)	145	(82.4%)	123	(72.8%)	406	(79.3%)	
Paid employment		(··/		(- · · /		()		( )	
No	49	(29.3%)	47	(26.7%)	58	(34.3%)	154	(30.1%)	
Yes	118	(70.7%)	129	(73.3%)	111	(65.7%)	358	(69.9%)	
Living condition	110		120			( ,-)			
Alone	89	(53.3%)	91	(51.7%)	96	(56.8%)	276	(53.9%)	
With someone	78	(46.7%)	85	(48.3%)	73	(43.2%)	236	(46.1%)	

Table S3: Binary logistic regression on active interest to read more about vaccination

		Model 1: Overall sample					Model 2: Only White ethnic background					Model 3: Black, Asian, mixed or other ethnic backgound			
	(%)	OR	95% CI	aOR	95% CI	(%)	OR	95% CI	aOR	95% CI	(%)	OR	95% CI	aOR	95% CI
Condition															
Control	34.7	Ref.		Ref.		33.3	Ref.		Ref.		35.8	Ref.		Ref.	
Society	44.9	1.531	0.990 - 2.366	1.472	0.940 - 2.307	42.3	1.446	0.726 - 2.882	1.587	0.891 - 2.827	46.9	1.587	0.891 - 2.827	1.570	0.870 - 2.833
Family	42.6	1.395	0.898 - 2.168	1.484	0.933 - 2.360	47.4	1.896	0.876 - 4.103	1.205	0.685 - 2.119	40.1	1.205	0.685 - 2.119	1.270	0.704 - 2.290
and															
friends															
Vaccination	status														
nvited	38.1	Ref.		Ref.		38.6	Ref.		Ref.		37.7	Ref.		Ref.	
Not invited	44.8	1.318	0.921 - 1.884	1.581	1.067 - 2.342*	42.8	1.238	0.701 - 2.185	1.456	0.770 - 2.754	45.4	1.372	0.865 - 2.176	1.621	0.979 - 2.685
Age															
18-24	36.9	Ref.		Ref.		33.3	Ref.		Ref.		38.6	Ref.		Ref.	
years old															
25-34	39.4	1.112	0.728 - 1.697	1.182	0.735 - 1.901	40.2	1.343	0.664 - 2.717	1.597	0.734 - 3.474	38.7	1.002	0.581 - 1.727	0.901	0.489 - 1.662
vears old	00.4	1.112	0.720 1.007	1.102	0.700 1.001	40.2	1.040	0.004 2.717	1.007	0.704 0.474	00.7	1.002	0.001 1.727	0.001	0.400 1.002
35-44	50.8	1.764	0.973 - 3.200	1.722	0.889 - 3.333	53.8	2.333	0.672 - 8.101	2.726	0.707 - 10.503	50.0	1.590	0.802 - 3.150	1.501	0.693 - 3.252
years old	50.0	1.704	0.070 - 0.200	1.722	0.003 - 0.000	33.0	2.000	0.072 - 0.101	2.720	0.707 - 10.505	50.0	1.550	0.002 - 0.100	1.501	0.035 - 5.252
45+ years	45.3	1.416	0.782 - 2.565	1.915	0.986 - 3.718	48.3	1.867	0.726 - 4.796	2.415	0.839 - 6.951	42.9	1.192	0.546 - 2.601	1.351	0.559 - 3.266
	40.0	1.410	0.762 - 2.505	1.915	0.900 - 3.710	40.5	1.007	0.720 - 4.790	2.415	0.839 - 0.951	42.5	1.152	0.040 - 2.001	1.551	0.009 - 0.200
old															
Gender	10.0	<b>D</b> (		<b>D</b> (			<b>D</b> (		<b>D</b> (			<b>D</b> (		D (	
Male	42.3	Ref.		Ref.		39.8	Ref.		Ref.		44.5	Ref.		Ref.	
Female	39.6	0.895	0.626 - 1.278	0.898	0.617 - 1.308	41.6	1.076	0.616 - 1.882	1.113	0.614 - 2.019	38.6	0.782	0.490 - 1.249	0.809	0.494 - 1.325
Non-	40.0	0.908	0.149 - 5.541	0.657	0.102 - 4.213	33.3	0.756	0.066 - 8.611	0.547	0.045 - 6.582	50.0	1.245	0.076 - 20.382	1.112	0.065 - 19.070
binary															
Ethnicity															
White	40.6	Ref.		Ref.											
Mixed	40.6	1.000	0.574 - 1.742	0.908	0.510 - 1.616										
Asian	52.0	1.586	0.981 - 2.565	1.468	0.884 - 2.440										
Black	34.9	0.787	0.495 - 1.250	0.742	0.456 - 1.209										
Arab or	15.4	0.266	0.058 - 1.232	0.280	0.059 - 1.323										
other															
A-levels															
No	33.0	Ref.		Ref.		32.7	Ref.		Ref.		33.3	Ref.		Ref.	
Yes	42.9	1.521	0.970 - 2.386	1.692	1.042 - 2.746*	43.2	1.568	0.809 - 3.035	2.253	1.072 - 4.735*	42.6	1.486	0.801 - 2.759	1.611	0.827 - 3.140
Living														••••	
condition															
Alone	39.1	Ref.		Ref.		41.1	Ref.		Ref.		38.1	Ref.		Ref.	
With	42.8	1.164	0.817 - 1.657	0.973	0.652 - 1.452	40.2	0.964	0.553 - 1.683	0.873	0.476 - 1.603	45.2	1.337	0.841 - 2.125	1.196	0.700 - 2.041
somebody			0.017 1.007	0.070	0.002 1.402		0.004	0.000 1.000	0.070	0.1.0 1.000	.J.L		0.011 2.120		005 2.041
Paid employ	ment														
No	38.3	Ref.		Ref.		49.1	Ref.		Ref.		32.0	Ref.		Ref.	
Yes	41.9	1.161	0.789 - 1.710	1.107	0.727 - 1.686	37.3	0.617	0.333 - 1.142	0.606	0.310 - 1.183	45.5	1.756	1.058 - 2.914*	1.627	0.947 - 2.795
N	41.5	512	0.703 - 1.710	512	0.121 = 1.000	57.5	207	0.000 - 1.142	207	0.010 - 1.100	-0.0	305	1.000 - 2.914	305	0.347 - 2.793
		512		512			207		207			305		305	

Table S4: Ordered logistic regression on perceived importance of vaccination [1;5]

	Model 1:	Overall sample			Model 2: Only White ethnic background				Model 3: Black, Asian, mixed or other ethnic backgound			
	OR	95% CI	aOR	95% CI	OR	95% CI	aOR	95% CI	OR	95% CI	aOR	95% CI
Condition												
Control	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
Society	0.948	0.649 - 1.386	0.897	0.608 - 1.325	1.493	0.836 - 2.668	1.458	0.794 - 2.677	0.647	0.391 - 1.072	0.627	0.376 - 1.047
Family	0.931	0.639 - 1.357	1.042	0.706 - 1.539	1.271	0.692 - 2.334	1.833	0.961 - 3.496	0.751	0.462 - 1.222	0.829	0.502 - 1.369
and												
friends												
Vaccination status												
Invited	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
Not invited	1.317	0.964 - 1.799	1.200	0.859 - 1.677	0.919	0.562 - 1.503	0.563	0.321 - 0.990*	1.728	1.149 - 2.599**	1.774	1.151 - 2.733**
Age												
18-24	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
vears old												
25-34	0.851	0.592 - 1.224	0.813	0.547 - 1.208	0.953	0.527 - 1.724	0.754	0.397 - 1.432	0.703	0.439 - 1.126	0.690	0.411 - 1.159
years old	0.001	0.00L TILLT	0.010	0.017 11200	0.000	0.027 1.721	0.101	0.007 11.02	0.700	0.100 11120	0.000	0
35-44	0.754	0.451 - 1.260	0.689	0.393 - 1.208	0.495	0.180 - 1.362	0.364	0.119 - 1.112	0.905	0.491 - 1.669	0.905	0.463 - 1.769
vears old	0.704	0.401 1.200	0.000	0.000 1.200	0.400	0.100 1.002	0.004	0.110 1.112	0.000	0.401 1.000	0.000	0.400 1.700
45+ years	0.401	0.238 - 0.675**	0.428	0.240 - 0.761**	0.321	0.143 - 0.719**	0.265	0.105 - 0.665**	0.478	0.237 - 0.965*	0.501	0.230 - 1.094
old	0.401	0.200 0.070	0.420	0.240 0.701	0.021	0.140 0.710	0.200	0.100 0.000	0.470	0.207 0.000	0.001	0.200 1.004
Gender												
Male	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
Female	0.557	0.405 - 0.765**	0.537	0.387 - 0.745**	0.411	0.249 - 0.680**	0.375	0.223 - 0.631**	0.715	0.472 - 1.085	0.707	0.459 - 1.090
Non-	0.552	0.130 - 2.341	0.509	0.118 - 2.205	0.857	0.154 - 4.754	1.124	0.182 - 6.955	0.163	0.014 - 1.941	0.153	0.012 - 1.891
binary	0.552	0.130 - 2.341	0.509	0.118 - 2.205	0.007	0.134 - 4.734	1.124	0.162 - 0.955	0.103	0.014 - 1.941	0.155	0.012 - 1.091
Ethnicity												
White	Ref.		Ref.									
	0.701	0.433 - 1.137	0.684	0.416 - 1.125			•				•	
Mixed		0.740 - 1.731	1.100	0.416 - 1.125								
Asian Black	1.132 0.718	0.482 - 1.071	0.633	0.417 - 0.960*								
		0.482 - 1.071 0.259 - 1.854	0.633	0.253 - 1.975								
Arab or	0.693	0.259 - 1.854	0.707	0.253 - 1.975								
other A-levels												
	D-(		D-f		D-4		D-4		D-4		D-4	
No	Ref.	1 100 0 5 10**	Ref.	1 100 0 701**	Ref.	4 077 0 005**	Ref.	1 000 1 004**	Ref.	0.040 0.450	Ref.	0.007 0.500
Yes	1.741	1.188 - 2.549**	1.793	1.190 - 2.701**	2.221	1.277 - 3.865**	2.301	1.260 - 4.204**	1.435	0.840 - 2.453	1.466	0.827 - 2.599
Living												
condition	D-(		D-f		D-4		D-4		D-f		D-f	
Alone	Ref.	0 750 4 440	Ref.	0.770 4.500	Ref.	0.550 4.470	Ref.	0.400 4.000	Ref.	0.740 4.000	Ref.	
With	1.036	0.758 - 1.416	1.088	0.770 - 1.536	0.908	0.558 - 1.478	0.811	0.483 - 1.360	1.117	0.742 - 1.683	1.415	0.883 - 2.266
somebody												
Paid employment												
No	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
Yes	1.263	0.906 - 1.761	1.120	0.788 - 1.590	1.545	0.910 - 2.625	1.252	0.714 - 2.196	1.093	0.711 - 1.679	1.076	0.680 - 1.702
Ν	512		512		207		207		305		305	

Table S5: Ordered logistic regression on expected uptake of vaccination [1;5]

	Model 1: Overall sample			Model 2: Only White ethnic background				Model 3: Black, Asian, mixed or other ethnic backgound				
	OR	95% CI	aOR	95% CI	OR	95% CI	aOR	95% CI	OR	95% CI	aOR	95% CI
Condition												
Control	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
Society	1.036	0.696 - 1.540	1.048	0.700 - 1.571	1.260	0.694 - 2.288	1.443	0.779 - 2.674	0.856	0.501 - 1.461	0.863	0.504 - 1.480
Family	0.864	0.585 - 1.276	0.885	0.592 - 1.324	0.852	0.443 - 1.636	1.000	0.508 - 1.970	0.874	0.535 - 1.429	0.823	0.496 - 1.365
and												
friends												
Vaccination status												
Invited	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
Not	0.598	0.431 - 0.830**	0.640	0.451 - 0.908*	0.491	0.290 - 0.831**	0.513	0.290 - 0.909*	0.675	0.443 - 1.029	0.720	0.459 - 1.129
invited	0.000	0.101 0.000	0.010	0.101 0.000	0.101	0.200 0.001	0.010	0.200 0.000	0.070	0.110 1.020	0.720	0.100 1.120
Age												
18-24	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
vears old	ner.		ner.		nei.		nei.		nei.		ner.	
25-34	1,118	0.765 - 1.635	1.017	0.666 - 1.553	1.375	0.734 - 2.574	1.106	0.562 - 2.179	0.915	0.561 - 1.493	0.988	0.573 - 1.702
	1.110	0.765 - 1.655	1.017	0.000 - 1.555	1.375	0.734 - 2.574	1.106	0.562 - 2.179	0.915	0.561 - 1.495	0.966	0.573 - 1.702
years old	4 405	0.010 0.115	4 00 4	0 707 0 000	4 000	0.000 4.400		0.444 4.000		0 770 0 070	1 100	
35-44	1.405	0.818 - 2.415	1.324	0.737 - 2.380	1.283	0.399 - 4.120	1.431	0.444 - 4.608	1.442	0.778 - 2.673	1.486	0.748 - 2.954
years old												
45+ years	1.472	0.849 - 2.553	1.332	0.727 - 2.441	1.479	0.622 - 3.517	1.197	0.464 - 3.088	1.463	0.708 - 3.020	1.557	0.694 - 3.493
old												
Gender												
Male	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
Female	0.839	0.606 - 1.162	0.802	0.573 - 1.123	0.840	0.503 - 1.402	0.838	0.495 - 1.418	0.875	0.570 - 1.345	0.830	0.533 - 1.292
Non-	0.256	0.056 - 1.171	0.289	0.060 - 1.401	0.170	0.021 - 1.342	0.231	0.029 - 1.867	0.406	0.048 - 3.450	0.469	0.050 - 4.374
binary												
Ethnicity												
White	Ref.		Ref.									
Mixed	0.839	0.507 - 1.390	0.842	0.502 - 1.412			·		•		·	
Asian	1.067	0.686 - 1.659	1.035	0.649 - 1.650								
Black	0.653	0.432 - 0.989*	0.653	0.425 - 1.005								
	0.838	0.311 - 2.258	0.855	0.324 - 2.480								
Arab or	0.838	0.311 - 2.258	0.896	0.324 - 2.480								
other												
A-levels												
No	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
Yes	1.312	0.873 - 1.973	1.272	0.827 - 1.958	1.408	0.771 - 2.571	1.249	0.661 - 2.362	1.306	0.744 - 2.292	1.363	0.741 - 2.505
Living												
condition												
Alone	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
With	0.995	0.722 - 1.370	0.828	0.581 - 1.179	1.019	0.612 - 1.696	0.858	0.501 - 1.469	0.942	0.620 - 1.432	0.852	0.533 - 1.362
somebod												
v												
Paid employment												
No	Ref.		Ref.		Ref.		Ref.		Ref.		Ref.	
Yes	1.158	0.815 - 1.644	1.102	0.761 - 1.596	1.686	0.950 - 2.990	1.555	0.859 - 2.812	0.914	0.585 - 1.427	0.876	0.545 - 1.408
N	512	0.013 - 1.044	512	0.701 - 1.090	207	0.000 - 2.000	207	0.000 - 2.012	305	0.000 - 1.427	305	0.040 - 1.400
n<0.05: ** p<0.01	012		512		207		201		303		305	

## Table S6. Adjusted logistic regression with interaction terms for condition and ethnicity on intentions, expectations and perceived

social importance and active interest (N=512)

	Model 1: I	ntentions [1;8]	Model 2: E	Expectations [1;5]	Model 3: So	ocial importance [1;5]	Model 4: Activ	ve interest [0;1]
	aOR	95% CI	aOR	95% CI	aOR	95% CI	aOR	95% CI
Condition and ethnicity								
Control – White	Ref.		Ref.		Ref.		Ref.	
Control – Ethnic minoties	1.304	0.747 - 2.277	1.019	0.570 - 1.824	1.264	0.721 - 2.215	1.041	0.536 - 2.020
Society – White	1.984	1.090 - 3.614*	1.411	0.776 - 2.567	1.529	0.826 - 2.829	1.440	0.730 - 2.839
Society – Ethnic minorities	1.301	0.748 - 2.265	0.873	0.485 - 1.574	0.842	0.480 - 1.476	1.661	0.870 - 3.172
Family and friends - White	1.681	0.886 - 3.189	0.964	0.501 - 1.857	1.568	0.825 - 2.981	1.931	0.921 - 4.047
amily and friends – Ethnic minority	1.419	0.818 - 2.462	0.836	0.476 - 1.465	1.026	0.589 - 1.787	1.287	0.673 - 2.460
accination status								
nvited	Ref.		Ref.		Ref.		Ref.	
Not invited	1.135	0.819 - 1.574	0.625	0.440 - 0.887**	1.164	0.833 - 1.627	1.515	1.026 - 2.237*
Age								
18-24 years old	Ref.		Ref.		Ref.		Ref.	
25-34 years old	0.951	0.647 - 1.397	1.025	0.674 - 1.559	0.804	0.543 - 1.191	1.152	0.721 - 1.840
35-44 years old	0.844	0.490 - 1.454	1.404	0.784 - 2.514	0.749	0.431 - 1.302	1.918	0.999 - 3.682
15+ years old	0.293	0.164 - 0.523**	1.346	0.737 - 2.460	0.428	0.241 - 0.761**	1.824	0.943 - 3.526
Gender								
Vale	Ref.		Ref.		Ref.		Ref.	
Female	0.677	0.491 - 0.933*	0.829	0.593 - 1.158	0.546	0.394 - 0.757**	0.908	0.626 - 1.317
Non-binary	0.360	0.082 - 1.577	0.281	0.059 - 1.340	0.457	0.107 - 1.951	0.715	0.112 - 4.552
A-levels	0.000	0.002 1.077	0.201	0.000 1.010	0.107		01710	0.1.12 1.002
No	Ref.		Ref.		Ref.		Ref.	
Yes	1.629	1.079 - 2.458*	1.264	0.820 - 1.948	1.822	1.210 - 2.745**	1.783	1.097 - 2.899*
Living condition	1.620	11070 21100	1.201	0.020 110 10	1.022	11210 21110		1.007 2.000
Alone	Ref.		Ref.		Ref.		Ref.	
With somebody	1.263	0.902 - 1.768	0.856	0.602 - 1.216	1.127	0.800 - 1.588	1.012	0.682 - 1.503
Paid employment	11200	0.002 1.000	0.000	0.002 1.210		0.000 1.000		0.002 1.000
No	Ref.		Ref.		Ref.		Ref.	
Yes	1.145	0.809 - 1.619	1.088	0.753 - 1.572	1.112	0.784 - 1.578	1.101	0.728 - 1.666
N	512	0.000 1.010	512	0.100 1.07E	512	001	512	020 1.000