

Appendix 2b: Results of regression analysis for the impact of national background, age, sex, risk group, income and education on vaccination with one dose of a coronavirus vaccine. Presented as odd ratios (ORs) with standard error in parentheses. The last column shows the relative reduction in OR from the unadjusted to the full adjustment model.

	Unadjusted model	Partial adjustment model	Full adjustment model	Relative reduction Full to unadjusted
Norway	1.000	1.000	1.000	-
	(.)	(.)	(.)	
Denmark	1.688*** (0.04)	1.863*** (0.05)	1.806*** (0.05)	7.00 %
Finland	2.473*** (0.09)	2.593*** (0.09)	2.416*** (0.09)	-2.32 %
Iceland	2.311*** (0.09)	2.162*** (0.08)	1.846*** (0.07)	-20.11 %
Sweden	1.877*** (0.03)	1.855*** (0.03)	1.619*** (0.03)	-13.73 %
Bulgaria	17.492*** (0.45)	15.821*** (0.41)	10.280*** (0.28)	-41.23 %
France	5.924*** (0.18)	5.277*** (0.17)	4.830*** (0.16)	-18.46 %
Croatia	7.194*** (0.22)	6.626*** (0.20)	4.882*** (0.16)	-32.15 %
Latvia	17.664*** (0.37)	14.580*** (0.31)	10.003*** (0.22)	-43.37 %
Netherlands	2.403*** (0.08)	2.327*** (0.08)	2.219*** (0.08)	-7.64 %
Poland	16.789*** (0.12)	14.723*** (0.11)	10.565*** (0.08)	-37.07 %
Romania	16.957*** (0.30)	14.396*** (0.26)	10.227*** (0.19)	-39.69 %
Lithuania	15.728*** (0.17)	12.602*** (0.14)	8.716*** (0.10)	-44.58 %
Spain	5.205*** (0.16)	4.611*** (0.15)	3.429*** (0.11)	-34.11 %
United Kingdom	1.993*** (0.05)	2.047*** (0.05)	1.860*** (0.05)	-6.67 %

Russia	8.741*** (0.14)	8.255*** (0.13)	7.101*** (0.12)	-18.76 %
Turkey	3.475*** (0.07)	3.160*** (0.07)	1.857*** (0.04)	-46.58 %
Germany	3.606*** (0.06)	3.551*** (0.06)	3.268*** (0.06)	-9.38 %
Ukraine	6.018*** (0.18)	5.326*** (0.16)	4.728*** (0.15)	-21.44 %
Bosnia-Herzegovina	3.100*** (0.07)	3.024*** (0.07)	2.484*** (0.06)	-19.85 %
Serbia	5.903*** (0.16)	5.208*** (0.15)	4.175*** (0.12)	-29.28 %
Kosovo	3.247*** (0.08)	2.827*** (0.07)	1.887*** (0.05)	-41.90 %
Eritrea	5.585*** (0.09)	4.323*** (0.07)	1.889*** (0.03)	-66.18 %
Ethiopia	3.910*** (0.11)	3.317*** (0.09)	1.801*** (0.05)	-53.93 %
Morocco	4.895*** (0.13)	5.007*** (0.13)	2.846*** (0.08)	-41.86 %
Somalia	6.837*** (0.09)	5.774*** (0.08)	2.552*** (0.04)	-62.68 %
Afghanistan	2.980*** (0.06)	2.242*** (0.05)	1.155*** (0.03)	-61.25 %
Sri Lanka	1.339*** (0.04)	1.351*** (0.04)	0.964 (0.03)	-27.96 %
Philippines	1.703*** (0.04)	1.562*** (0.04)	1.181*** (0.03)	-30.66 %
India	1.863*** (0.05)	1.652*** (0.04)	1.392*** (0.04)	-25.28 %
Iraq	3.892*** (0.06)	3.444*** (0.06)	1.899*** (0.03)	-51.21 %
Iran	2.055*** (0.05)	1.968*** (0.04)	1.338*** (0.03)	-34.87 %
China	3.333*** (0.09)	3.098*** (0.09)	2.341*** (0.07)	-29.76 %
Pakistan	2.151*** (0.04)	2.118*** (0.04)	1.310*** (0.02)	-39.11 %
Syria	4.603*** (0.07)	3.463*** (0.05)	1.496*** (0.02)	-67.49 %
Thailand	1.296*** (0.03)	1.197*** (0.03)	0.756*** (0.02)	-41.67 %
Vietnam	1.020 (0.03)	0.973 (0.03)	0.675*** (0.02)	-33.88 %
USA	2.558***	2.720***	2.558***	0.00 %

	(0.08)	(0.08)	(0.08)	
Brazil	2.511***	2.244***	1.579***	-37.12 %
	(0.10)	(0.09)	(0.07)	
Chile	3.008***	3.059***	2.242***	-25.47 %
	(0.09)	(0.10)	(0.07)	
All other national backgrounds	4.687***	4.226***	2.896***	-38.21 %
	(0.03)	(0.03)	(0.02)	
<29 years		1.000	1.000	
		(.)	(.)	
30–39 years		0.994	1.138***	
		(0.00)	(0.01)	
40–49 years		0.671***	0.816***	
		(0.00)	(0.00)	
50–59 years		0.551***	0.687***	
		(0.00)	(0.00)	
60–69 years		0.471***	0.589***	
		(0.00)	(0.00)	
>70 years		0.460***	0.452***	
		(0.00)	(0.00)	
Sex (female)		0.806***	0.831***	
		(0.00)	(0.00)	
Risk group		0.693***	0.634***	
		(0.00)	(0.00)	
Østfold		1.000	1.000	
		(.)	(.)	
Akershus		0.862***	0.995	
		(0.01)	(0.01)	
Oslo		0.858***	0.987	
		(0.01)	(0.01)	
Hedmark		1.063***	1.063***	
		(0.01)	(0.01)	
Oppland		1.067***	1.078***	
		(0.01)	(0.01)	
Buskerud		1.036***	1.144***	
		(0.01)	(0.01)	
Vestfold		1.025*	1.064***	
		(0.01)	(0.01)	
Telemark		1.146***	1.153***	
		(0.01)	(0.01)	
Aust-Agder		1.091***	1.099***	
		(0.02)	(0.02)	
Vest-Agder		1.117***	1.155***	
		(0.01)	(0.01)	
Rogaland		1.150***	1.292***	
		(0.01)	(0.01)	

Hordaland	1.073*** (0.01)	1.177*** (0.01)	
Sogn og Fjordane	0.968* (0.01)	1.044** (0.02)	
Møre og Romsdal	0.961*** (0.01)	1.020 (0.01)	
Nordland	1.191*** (0.01)	1.218*** (0.01)	
Troms	1.161*** (0.01)	1.248*** (0.02)	
Finnmark	1.622*** (0.02)	1.688*** (0.03)	
Trøndelag	0.864*** (0.01)	0.919*** (0.01)	
Lower secondary school		1.000 (.)	
College/vocational training		0.628*** (0.00)	
Higher education, short		0.429*** (0.00)	
Higher education, long		0.365*** (0.00)	
No formal education/education unknown		0.904*** (0.01)	
18–21		0.552*** (0.00)	
1st income decile		1.000 (.)	
2nd income decile		0.803*** (0.00)	
3rd income decile		0.601*** (0.00)	
4th income decile		0.493*** (0.00)	
5th income decile		0.422*** (0.00)	
6th income decile		0.378*** (0.00)	
7th income decile		0.346*** (0.00)	

8th income decile			0.318*** (0.00)	
9th income decile			0.288*** (0.00)	
10th income decile			0.278*** (0.00)	
Income unknown			0.695*** (0.01)	
Constant	0.069*** (0.00)	0.117*** (0.00)	0.338*** (0.00)	

* $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$. Reference group indicated in bold: Norway, 18–29, male, non-risk group, Østfold, secondary school, 1st income decile.