

Supplementary table 1 Association between various characteristics and knowledge of antibiotics and antibiotic resistance (univariate linear regression)

	Antibiotics, general			Antibiotic resistance		
	Coeff.	95% CI		Coeff.	95% CI	
Beliefs about medicines, BMQ						
Benefit	0.163	0.086	0.241	0.188	0.132	0.243
Harm	-0.183	-0.252	-0.115	-0.146	-0.196	-0.096
Overuse	-0.002	-0.078	0.073	-0.037	-0.092	0.018
Attitude antibiotics, score						
Restrictive	0.333	0.170	0.496	0.316	0.198	0.434
Less restrictive	-0.239	-0.334	-0.144	-0.230	-0.298	-0.162
Age*						
30-44 years	0.784	0.198	1.369	0.929	0.501	1.357
45-59 years	0.727	0.177	1.277	0.906	0.504	1.309
>=60 years	-0.472	-0.981	0.036	0.477	0.105	0.849
Gender*						
Men	-1.312	-1.704	-0.910	-0.055	-0.347	0.238
Education*						
Upper secondary school	0.657	-0.061	1.37	0.411	-0.101	0.922
College/University ≤3y	0.949	0.213	1.685	1.151	0.626	1.675
College/University >3y	1.807	1.072	2.541	1.658	1.135	2.181
Health professional**						
Yes	2.147	1.748	2.547	1.057	0.755	1.359
Do not know	1.159	-0.115	2.433	-0.448	-1.413	0.516
Antibiotics use last 12						
Yes	0.434	0.027	0.841	0.123	-0.174	0.419
Do not remember	-1.474	-3.077	0.129	-1.484	-2.652	-0.317
Healthy						
score	-0.003	-0.201	0.173	-0.067	-0.203	0.069
Chronic disease**						
Yes	0.346	-0.034	0.726	-0.004	-0.282	0.274
Will not tell	-0.180	-1.505	1.145	-0.427	-1.395	0.541
Medication**						
Some times	-0.058	-0.823	0.708	-0.333	-0.891	0.225
Yes	-0.462	-0.859	-0.065	-0.204	-0.493	0.086
Smoking**						
Some times	-0.077	-0.870	0.717	-0.588	-1.164	-0.013
Yes	-0.141	-0.759	0.477	-0.376	-0.824	0.071
Marital status*						
Relationship	-0.874	-1.569	-0.180	-0.323	-0.828	0.183
Single	-0.483	-0.914	-0.051	-0.415	-0.729	-0.101
Other	-0.894	-2.065	0.278	-0.716	-1.569	0.137
Work*						
Not working	-0.236	-0.715	0.243	-0.670	-1.023	-0.317
Student	-0.786	-1.438	-0.133	-0.963	-1.444	-0.483
Retired	-1.531	-1.998	-1.065	-0.746	-1.090	-0.403

CI = Confidence Interval, Coeff.= beta coefficient from univariate linear regression

The numbers (coefficients and accompanying confidence Intervals (CI)) represent change in knowledge score for antibiotics in general and antibiotic resistance respectively.

Significant associations ($p < 0.001$), are marked in bold.

* Reference category is "18-29 years" for age, "women" for gender, "primary/lower secondary school" for education, "married/cohabiting" for marital status and "active work" for work situation.

** Reference category is "no".

*** Ten participants had "do not know" on all 23 knowledge items while 59 had missing on at least one item. Number of missing per knowledge item varied from 0 to 11. All missing values were set to zero.