

COMMUNICATIONS

Launch of Europe wide survey of healthcare workers knowledge and attitudes about antibiotic use and resistance

On 28 January 2019, an ECDC-funded* survey to assess healthcare workers' knowledge and perceptions about antibiotic use and resistance launched across Europe. Previous studies have mostly focused on the general public and medical students, highlighting a gap in the understanding of these topics by healthcare workers and by other health students.

Following a process of validation and piloting across Europe, the survey is now available for completion. **The study closes on 14 February 2019.**

Click below to access the English version (EN):

<https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=9IKJ5585H>

The survey is also available in 25 additional languages (Table 1).

The aim is to have a return of 10,000+ responses with representation from healthcare workers including doctors, nurses, midwives, dentists, pharmacists, clinical scientists, hospital managers, allied health professionals, nursing associates, technicians and healthcare students. Table 2 highlights the calculated sample size per professional group by country however we would welcome significantly more responses.

The objectives of the study for ECDC are:

- to gain a better understanding of their knowledge and perceptions to provide a base to support future needs in terms of policy and education changes, and
- to fill in gaps in terms of evaluation of communication campaigns targeting healthcare workers

Please cascade the link of the survey actively to relevant organisations and colleagues as well as healthcare students. If you are using social media please use **#ECDCAntibioticSurvey**. For questions about this survey do not hesitate to contact Dr Diane Ashiru-Oredope.

Dr Diane Ashiru-Oredope

Project Lead; Europe wide Survey of healthcare workers knowledge and attitudes about antibiotics and antibiotic resistance

espaor@phe.gov.uk

* European Centre for Disease Prevention and Control



[#ECDCAntibioticSurvey](https://twitter.com/ECDCAntibioticSurvey)

Table 1. ECDC Antibiotic Survey - Language Links

Language Codes	Language	Survey Link:
BG	Bulgarian	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=92KJ497KH
CS	Czech	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=94KJ4m3MH
DA	Danish	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=94KJ4m8MH
DE	German	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=96KJ4n31H
EL	Greek	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=96KJ4n41H
ES	Spanish	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=98KJ4nl3H
ET	Estonian	https://surveys.phe.org.uk/Deploy.aspx?SurveyID=m2KJ4nmKH
FI	Finnish	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=98KJ4o23H
FR	French	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=92KJ496KH
GA	Gallic	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=92KJ491KH
HR	Croatian	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=92KJ4l4KH
HU	Hungarian	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=94KJ4lmMH
IS	Icelandic	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=94KJ4m4MH
IT	Italian	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=94KJ4n2MH
LT	Lithuanian	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=98KJ4o43H
LV	Latvian	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=98KJ4o53H
MT	Maltese	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=98KJ4o73H
NL	Dutch	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=94KJ4m2MH
NO	Norwegian	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=98KJ4om3H
PL	Polish	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=9lKJ4pl5H
PT	Portuguese	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=98KJ4p23H
RO	Romanian	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=9lKJ4p85H
SK	Slovak	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=9lKJ4pm5H
SL	Slovenian	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=9lKJ5565H
SV	Swedish	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=9lKJ5595H
EN	English	https://surveys.phe.org.uk/TakeSurvey.aspx?SurveyID=9lKJ5585H

Table 2. Calculated sample size per professional group by country*

Country	Physicians		Nurses, nursing professionals & midwives		Dentists		Pharmacists		Other healthcare workers (e.g hospital managers, pharmacy/dental technicians, allied health professionals)	Total
	Total Register	Target Sample	Total Register	Target Sample	Total Register	Target Sample	Total Register	Target Sample	Target Sample	Overall Target
Belgium	34,834	70	125,581	126	8,478	17	13,876	28	48	288
Bulgaria	29,492	59	34,230	34	8,011	16	6,256	13	24	146
Czech Republic	38,776	78	89,208	89	7,955	16	7,172	14	39	236
Denmark ⁽¹⁾	20,902	42	97,924	98	4,205	8	2,918	6	31	185
Germany	344,755	690	1,081,000	1,081	70,305	141	52,430	105	403	2,419
Estonia	4,548	9	8,469	8	1,257	3	963	2	4	26
Ireland	13,959	28	61,360	61	2,949	6	5,387	11	21	127
Greece ⁽²⁾	70,964	142	37,720	38	13,225	26	11,300	23	46	274
Spain	177,731	355	300,679	301	35,716	71	56,167	112	168	1,008
France	209,367	419	704,246	704	43,026	86	70,025	140	270	1,619
Croatia	13,504	27	28,096	28	3,341	7	3,062	6	14	81
Italy	239,642	479	354,022	354	48,559	97	70,074	140	214	1,285
Cyprus	3,209	6	4,745	5	882	2	761	2	3	17
Latvia	6,295	13	9,489	9	1,411	3	1,643	3	6	34
Lithuania	12,812	26	23,020	23	2,787	6	3,276	7	12	73
Luxembourg ⁽³⁾	1,683	3	7,047	7	550	1	406	1	2	15
Hungary	31,515	63	64,786	65	6,083	12	7,353	15	31	186
Malta	1,743	3	3,916	4	214	0	605	1	2	11
Netherlands	59,569	119	184,040	184	9,337	19	3,659	7	66	395
Austria ⁽⁴⁾	44,816	90	71,246	71	4,954	10	6,194	12	37	220
Poland	88,437	177	219,845	220	12,603	25	28,121	56	96	574
Portugal	49,541	99	69,486	69	9,875	20	8,788	18	41	247
Romania	55,975	112	134,537	135	16,285	33	17,104	34	63	376
Slovenia	6,224	12	20,114	20	1,421	3	1,356	3	8	46
Slovakia ⁽⁶⁾ (7)	18,864	38	20,435	20	2,701	5	4,183	8	14	86
Finland ⁽¹⁾ (8)	17,511	35	80,150	80	3,988	8	5,941	12	27	162
Sweden ⁽¹⁾	41,848	84	115,702	116	7,813	16	7,427	15	46	276
United Kingdom	182,534	365	548,291	548	34,867	70	56,542	113	219	1,315
Iceland	1,292	3	5,035	5	278	1	166	0	2	10
Norway	23,619	47	94,476	94	4,527	9	4,100	8	32	191
Total	1,845,961	3,692	4,598,895	4,599	367,603	735	457,255	915	1,988	11,929

*We would welcome significantly more responses.

