

The Ancestry Survey was implemented by EU-based professional survey firm: The Public Opinion Research Center, CBOS in 2016.

CBOS ([http://www.cbos.pl/EN/home\\_en/cbos\\_en.php](http://www.cbos.pl/EN/home_en/cbos_en.php)) is a well-established survey firm in Poland, partly financed from the Polish State budget and whose clients, among others, are the Polish Ministries of Education, of Higher Education, and of Infrastructure.

The survey was implemented in full conformity with the national Polish law on the protection of personal data (Dz. U. z 2014 poz. 1182), which, in turn, is fully compatible with the Directive 95/46/EC of the European Parliament and of the Council of 24 October 1995 on the protection of individuals with regard to the processing of personal data and on the free movement of such data.

In particular, the survey firm CBOS never made personal data (defined as in article 2 (a) of Directive 95/46/EC, namely, any information allowing identifying survey respondents) available to its clients (which, in the case of our project, means to the authors of this paper). The personal data (such as addresses) were used by the survey firm only for sampling procedures in full compliance with EU regulations. Such data were separated from the answers to the questionnaires and destroyed immediately once the survey was completed. So, the data (answers to questionnaires) provided to the clients (and, therefore, in the case of our paper, the authors of the paper) are completely anonymized by the survey firm. The survey dataset does not contain any personal data, and therefore, they do not fall under the data privacy rules, in accordance with the Directive 95/46/EC, as it is impossible to establish the identity of respondents from these data by themselves or in combination with any other data source.

In addition, in full compliance with the Directive 95/46/EC, all survey respondents gave formal informed consent to participation in the survey. The respondents were provided with full information about the identity of the survey firm, the purposes of the survey, the set of questions that are being asked, and the fact that their personal data are destroyed and, therefore, never made available to any client (including researchers) and that the data will eventually be made public in fully anonymous form. As is apparent from the questionnaire, the respondents were given the option not to answer and skip any of the questions if they do not want to answer.

## Description of the sampling procedure

### 1. Description of the population

The survey took place on the territory of 8 wojewodztwa. In the case of wojewodztwo zachodniopomorskie, lubuskie, dolnośląskie and opolskie the survey covered the entire województwo; and in the case of województwo warmińsko-mazurskie, pomorskie, wielkopolskie and śląskie – only some districts (powiaty) of the wojewodztwo were included.

Relying on PESEL (National Electronic Registry of the Population, as of July 2015), the population of the area covered by the survey could be described in the following way :

	rural	urban < 20 000	urban < 50 000	urban < 100 000	urban < 500 000	urban >500 000	TOTAL
0201 Powiat boleslawiecki	46655	4227	39464	0	0	0	90346

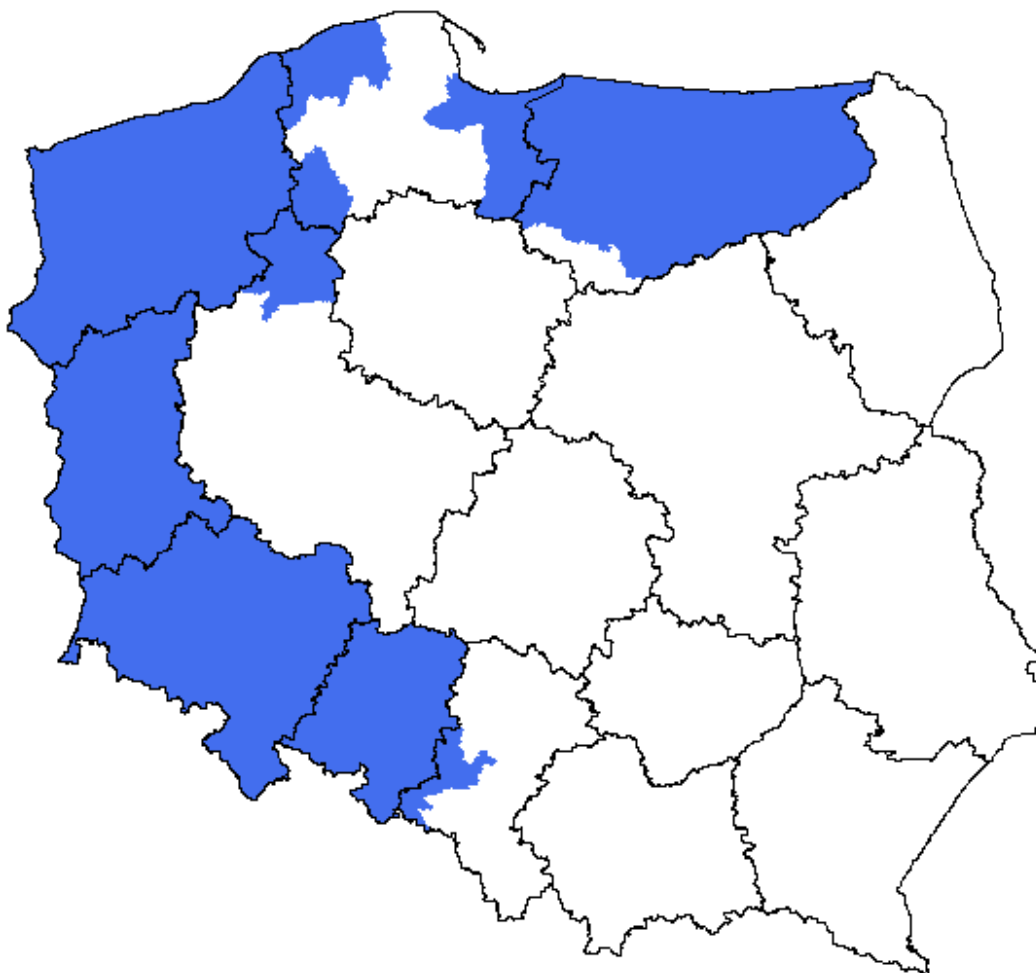
	rural	urban < 20 000	urban < 50 000	urban < 100 000	urban < 500 000	urban >500 000	TOTAL
0202 Powiat dzierzoniowski	19525	19395	65155	0	0	0	104075
0203 Powiat glogowski	21386	0	0	68836	0	0	90222
0204 Powiat gorowski	21146	15090	0	0	0	0	36236
0205 Powiat jaworski	22776	5253	23767	0	0	0	51796
0206 Powiat jeleniogorski	35328	29641	0	0	0	0	64969
0207 Powiat kamiennogorski	18575	26125	0	0	0	0	44700
0208 Powiat klodzki	58458	54392	50822	0	0	0	163672
0209 Powiat legnicki	37410	17616	0	0	0	0	55026
0210 Powiat lubanski	20690	13425	21785	0	0	0	55900
0211 Powiat lubinski	27008	5767	0	73658	0	0	106433
0212 Powiat lwowecki	23233	23781	0	0	0	0	47014
0213 Powiat milicki	25597	11669	0	0	0	0	37266
0214 Powiat olesnicki	44429	24527	37355	0	0	0	106311
0215 Powiat olawski	27687	15910	32356	0	0	0	75953
0216 Powiat polkowicki	26109	14534	22558	0	0	0	63201
0217 Powiat strzelinski	29429	14845	0	0	0	0	44274
0218 Powiat sredzki	43383	9342	0	0	0	0	52725
0219 Powiat swidnicki	49712	28727	23197	58802	0	0	160438
0220 Powiat trzebnicki	52575	30783	0	0	0	0	83358
0221 Powiat walbrzyski	19877	37615	0	0	0	0	57492
0222 Powiat wolowski	22403	25036	0	0	0	0	47439
0223 Powiat wroclawski	111060	19908	0	0	0	0	130968
0224 Powiat zabkowicki	37214	30244	0	0	0	0	67458
0225 Powiat zgorzelecki	29316	31541	31532	0	0	0	92389
0226 Powiat zlotoryjski	22629	22238	0	0	0	0	44867
0261 Powiat m.Jelenia Gora	0	0	0	81408	0	0	81408
0262 Powiat m.Legnica	0	0	0	0	101343	0	101343
0264 Powiat m.Wroclaw	0	0	0	0	0	634487	634487
0265 Powiat m.Walbrzych	0	0	0	0	116691	0	116691
0801 Powiat gorzowski	45713	25078	0	0	0	0	70791
0802 Powiat krosnienski	27562	28673	0	0	0	0	56235
0803 Powiat miedzyrzecki	27875	30765	0	0	0	0	58640

	rural	urban < 20 000	urban < 50 000	urban < 100 000	urban < 500 000	urban >500 000	TOTAL
0804 Powiat nowosolski	30925	17028	39571	0	0	0	87524
0805 Powiat slubicki	17070	30208	0	0	0	0	47278
0806 Powiat strzelecko-drezdenecki	26581	23631	0	0	0	0	50212
0807 Powiat sulecinski	20836	14925	0	0	0	0	35761
0808 Powiat swiebodzinski	29347	5060	22008	0	0	0	56415
0809 Powiat zielonogorski	60535	34399	0	0	0	0	94934
0810 Powiat zaganski	31989	23047	26426	0	0	0	81462
0811 Powiat zarski	38620	21478	38527	0	0	0	98625
0812 Powiat wschowski	19512	19853	0	0	0	0	39365
0861 Powiat m.Gorzow Wielkopolski	0	0	0	0	124145	0	124145
0862 Powiat m.Zielona Gora	0	0	0	0	118920	0	118920
1601 Powiat brzeski	40112	14756	36675	0	0	0	91543
1602 Powiat glubczycki	25175	22087	0	0	0	0	47262
1603 Powiat kedzierzynsko-kozielski	33875	0	0	62840	0	0	96715
1604 Powiat kluczborski	32922	9645	24410	0	0	0	66977
1605 Powiat krapkowicki	29571	35279	0	0	0	0	64850
1606 Powiat namys?owski	26683	16126	0	0	0	0	42809
1607 Powiat nyski	66396	28796	44775	0	0	0	139967
1608 Powiat oleski	41832	23715	0	0	0	0	65547
1609 Powiat opolski	114777	18426	0	0	0	0	133203
1610 Powiat prudnicki	26734	8198	21676	0	0	0	56608
1611 Powiat strzelecki	42163	33640	0	0	0	0	75803
1661 Powiat m.Opole	0	0	0	0	119574	0	119574
2203 Powiat czluchowski	31567	25461	0	0	0	0	57028
2204 Powiat gdanski	78156	0	29226	0	0	0	107382
2207 Powiat kwidzynski	36089	8781	38757	0	0	0	83627
2208 Powiat leborski	26977	3836	35443	0	0	0	66256
2209 Powiat malborski	20977	4330	38950	0	0	0	64257
2210 Powiat nowodworski	24904	11350	0	0	0	0	36254
2212 Powiat slupski	77934	19793	0	0	0	0	97727
2216 Powiat sztumski	26650	15832	0	0	0	0	42482

	rural	urban < 20 000	urban < 50 000	urban < 100 000	urban < 500 000	urban >500 000	TOTAL
2261 Powiat m.Gdansk	0	0	0	0	461489	0	461489
2263 Powiat m.Slupsk	0	0	0	93206	0	0	93206
2264 Powiat m.Sopot	0	0	37654	0	0	0	37654
2405 Powiat gliwicki	52237	24032	38859	0	0	0	115128
2411 Powiat raciborski	45992	7660	0	55710	0	0	109362
2462 Powiat m.Bytom	0	0	0	0	172306	0	172306
2466 Powiat m.Gliwice	0	0	0	0	184415	0	184415
2478 Powiat m.Zabrze	0	0	0	0	177188	0	177188
2801 Powiat bartoszycki	26710	8688	24432	0	0	0	59830
2802 Powiat braniewski	19842	22627	0	0	0	0	42469
2804 Powiat elblaski	41157	17017	0	0	0	0	58174
2805 Powiat elcki	29780	0	0	60103	0	0	89883
2806 Powiat gizycki	24720	2910	29932	0	0	0	57562
2807 Powiat ilawski	39600	20108	33344	0	0	0	93052
2808 Powiat ketrzynski	27849	9267	27924	0	0	0	65040
2809 Powiat lidzbarski	17117	25389	0	0	0	0	42506
2810 Powiat mragowski	24917	3849	22135	0	0	0	50901
2811 Powiat nidzicki	19601	14258	0	0	0	0	33859
2813 Powiat olecki	18347	16458	0	0	0	0	34805
2814 Powiat olsztynski	83615	39434	0	0	0	0	123049
2815 Powiat ostrodzki	53307	19345	33790	0	0	0	106442
2816 Powiat piski	23612	34159	0	0	0	0	57771
2817 Powiat szczycienski	44164	2542	24185	0	0	0	70891
2818 Powiat goldapski	13605	13748	0	0	0	0	27353
2819 Powiat wegorzewski	11943	11661	0	0	0	0	23604
2861 Powiat m.Elblag	0	0	0	0	122368	0	122368
2862 Powiat m.Olsztyn	0	0	0	0	173831	0	173831
3019 Powiat pilski	48822	14685	0	74333	0	0	137840
3031 Powiat zlotowski	35027	34971	0	0	0	0	69998
3201 Powiat bialogardzki	15564	8544	24571	0	0	0	48679
3202 Powiat choszczenski	26204	23505	0	0	0	0	49709
3203 Powiat drawski	21689	36575	0	0	0	0	58264
3204 Powiat goleniowski	37119	22641	22747	0	0	0	82507
3205 Powiat gryficki	30463	31054	0	0	0	0	61517
3206 Powiat gryfinski	45490	16633	21565	0	0	0	83688

	rural	urban < 20 000	urban < 50 000	urban < 100 000	urban < 500 000	urban >500 000	TOTAL
3207 Powiat kamienski	22888	24863	0	0	0	0	47751
3208 Powiat kolobrzesci	30423	2424	46720	0	0	0	79567
3209 Powiat koszalinski	52077	13885	0	0	0	0	65962
3210 Powiat mysliborski	27686	39731	0	0	0	0	67417
3211 Powiat policki	40756	1226	33404	0	0	0	75386
3212 Powiat pyrzycki	23674	16814	0	0	0	0	40488
3213 Powiat slawieski	30605	26884	0	0	0	0	57489
3214 Powiat stargardzki	42592	9079	0	68922	0	0	120593
3215 Powiat szczecinecki	27410	10913	40535	0	0	0	78858
3216 Powiat swidwinski	24337	24006	0	0	0	0	48343
3217 Powiat walecki	20974	7341	26033	0	0	0	54348
3218 Powiat lobeski	17830	19974	0	0	0	0	37804
3261 Powiat m.Koszalin	0	0	0	0	108605	0	108605
3262 Powiat m.Szczecin	0	0	0	0	407180	0	407180
3263 Powiat m.Swinoujscie	0	0	41276	0	0	0	41276
Total	3313414	1784727	1273541	697818	2388055	634487	10092042

## 2. The map of the area covered by the survey.



## 3. Sampling

The survey was conducted on two types of samples: 1/ a random representative sample based on PESEL with the target group of about 3000 individuals; 2/ oversample of about 900 individuals.

### **Random sample**

Random sample was drawn from PESEL. In order to get about 3000 respondents, about 12000 individuals had to be drawn (more precisely, 11700 persons had to be drawn, because of the needed bundles, see below).

Before the draw, the population was divided into layers: by województwa and three categories of localities (rural, urban with 20-50 000 residents, and urban with more than 50 000 residents). All together there were over 20 layers taking into account the administrative division of the country and the size of localities in each województwo.

The sample was drawn proportionally to the numer of the population in each layer. 900 bundles with 13 people in each bundle were drawn.

In this random sample the variable „Ancestor in Kresy” has random distribution.

### **Oversample**

In Oversample the variable „Ancestor in Kresy” is a controlled variable. More precisely, it is a sample of 900 respondents who have ancestor(s) in Kresy chosen in the following way:

The starting point of the sample were 900 bundles (each with 13 addresses) drawn from PESEL. It was assumed that from each bundle about 3-4 interviews were to be conducted. The remaining addresses in the given bundle remained unused for different reasons (refusal to participate, absence of the respondent, etc.)

The first of the unused addresses was the starting point of the door-to-door search of the respondent with Kresy origin.