

KIEV INTERNATIONAL INSTITUTE OF SOCIOLOGY

The National Survey

“Corruption in Ukraine. Follow up.”

Technical report

Kyiv - 2023

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1. Resume

This report deals with the methodology of the Ukraine National Survey on corruption, 2022.

The research was carried out by the Kiev International Institute of Sociology during November 2022 – February, 2023.

In the Ukraine National Survey the adult population comprises persons of the age of 18 and older who were interviewed with the individual questionnaire. The population of the survey included 3 separate groups:

- 1) General adult population living in 18 oblasts of Ukraine – the sample was representative for the adult population of Ukraine as well as for each oblast and Kyiv city separately;
- 2) Internally displaced people (IDPs) currently living in the same 18 oblasts of Ukraine;
- 3) People seeking shelter abroad.

The fieldwork lasted during December 6, 2022 – February 2, 2023. Final data files include results of 10,117 interviews with general population, 1,029 interviews with IDPs, and 2,046 interviews with shelter seekers abroad.

2. Developing the instruments

The following documents were used at a field stage:

- Ukrainian and Russian versions of the questionnaire with show cards for the respondent;
- Interviewer's diary;
- Interviewer's manual (in Ukrainian and Russian);
- Controller's questionnaire;
- Interviewer's routing sheet.

2.1. Developing the questionnaires

The base for the survey instrument was the one used in the most recent wave of the study in 2021. In order to update the instrument, a few sectors emerged after full-scale war have been added to the lists of estimated areas. Thus, instrument was adapted and piloted in 21 interviews.

2.2 Accompanying materials

Accompanying materials included:

- ✓ *Interviewer's diary* allowed registering places and dates of the interviews, number of conducted interviews, and reasons of non-interviews.
- ✓ *Set of show cards* in two languages to help the respondent answer some questions from the instrument.
- ✓ *Interviewer's manual* covering specific features of the questionnaire in this survey.
- ✓ *Controller's questionnaire* – additional questionnaire that is necessary for carrying out the stage of internal control. Internal control presumed verifying the fact that an interview had taken place, obtaining information on selection quality, as well as repeated answers on some key questions.

- ✓ *Controller's routing sheet* which allows registering a place of a control interview and controller's remarks.

3. Sample

Survey sample consists of 3 subsamples:

- 1) General population residing in selected regions
- 2) Internally displaced people currently living in the same regions
- 3) People seeking shelter outside Ukraine

General population

The target population of this subsample are people 18 years of age and older living in pre-selected oblasts of Ukraine who have not been displaced since February 2022.

The sample covered Kyiv city and 17 oblasts: Kyivska, Vinnytska, Volynska, Dnipropetrovska, Zhytomyrska, Zakarpatska, Ivano-Frankivska, Kirovogradska, Lvivska, Poltavska, Rivnenska, Sumska, Ternopilska, Cherkaska, Chernivetska, Chernigivska.

Target sample size = 10,000 respondents.

The methodology used for the sampling is stratified probability sampling proportional to population size with quota selection at the last stage. The sample included 1,260 primary sampling points.

Stratification. In order to provide representative data for each administrative unit of Ukraine, the sample is equally distributed among those units: 17 oblasts and Kyiv city (about 560 completed interviews per unit). Each administrative unit (except Kyiv city) is divided into substrata on the basis of type of settlement – urban or rural. Sample population in each substratum is represented proportionally to the total population of a particular substratum within unit.

Sampling Stages

1) Selection of Primary Sampling Units (PSUs) – 1260 PSUs in total. KIIS selects the voting precincts (VP) at the first stage of sampling since there are no reliable and available households or population registers in Ukraine. A list of voting precincts is available from Central Election Commission. Equal number (70) of voting precincts are chosen in each administrative unit using PPS (probability proportional to the size).

2) Households and respondent selection. Once the voting precincts are selected, the starting addresses (the first household to be visited) are randomly selected for each VP from the list of all addresses served by those VPs.

Starting with this first address, the interviewer follows rules to locate next-door dwellings on the route. Further, interviewer selects respondents for interview using pre-assigned sex-age quota (generated by our sampling software). If after selection of the respondent it turns out that s/he is not at home, the interviewer makes up to 2 call-backs in order to recruit the respondent. No more than one respondent can be interviewed in each household.

Internally displaced persons (IDPs)

The target population of this subsample are people 18 years of age who were forced to leave their homes due to Russian military aggression and moved within Ukraine to the same pre-defined oblasts regardless of official IDP status received.

Target sample size = 1,000 respondents.

Respondents for this subsample have been recruited using two approaches:

- 1) When the IDP was found during implementation of the random walk approach for general population subsample (see above);
- 2) Time-location sample – in collective centers covering each selected region and different types of settlements (oblast center, other city/town, and village).

Shelter seekers abroad

The target population of this subsample are people 18 years of age and older were forced to leave their homes due to Russian military aggression and moved outside Ukraine and seek shelter in those countries.

Target sample size = 2,000 respondents.

Respondents for this subsample have been recruited using three approaches:

- 1) During implementation of the random walk approach for general population subsample (see above), contacts of relatives / familiar people who moved abroad have been collected;
- 2) Snow-ball technique – using contacts of respondents from the 1st approach.
- 3) KIIS' online panel – in order to include people whose entire families have left, 400 respondents have been recruited through online panel.

4. Field stage implementation

The network of the KIIS interviewers has the following structure:

A network coordinator and 4 regional supervisors of fieldwork department carry out general management of 26 groups of interviewers, which constantly live in 24 all regions of Ukraine.

The brigadiers of groups of interviewers form groups of interviewers in each region of Ukraine, supervise the fieldwork in their oblasts, carry out primary quality control of filling of the field documents, and transfer them to KIIS' supervisor.

Interviewers who conduct face-to-face interview in the KIIS surveys, pass two stages of training:

1. General training allows acquiring knowledge and skills of conducting interviews and selecting respondents. All the KIIS interviewers had this general training that lasted for 16 hours (4 lessons).
2. Specific briefing deals with the concrete survey peculiarities.

In this study, fieldwork managers conducted phone briefing for regional brigadiers, and then all brigadiers trained interviewers from their teams in person. Total 300 KIIS interviewers participated in the fieldwork under the project.

The fieldwork stage of the survey began on December 6, 2022 and was finished on February 2, 2023.

At the stage of fieldwork 13,192 questionnaires were collected:

- 1) Subsample of general population = 10,117 – all interviews conducted face-to-face;
- 2) Subsample of IDPs = 1,029 – all interviews conducted face-to-face;
- 3) Subsample of shelter seekers abroad = 2,046 – 401 online self-administered interviews + 1645 interviews conducted using phone / messengers.

5. Data control

External control is the comparison of received data with available statistics. Internal control of the sample quality means verification of interviewers' work.

5.1. External control

General population

To estimate possible shifts of the sample, the raw results of the survey were compared with official statistics. Taking into account sample design (equal sample size for each oblast), weights have been constructed by strata (urban/rural population within each oblast). The table below shows comparison of weighted data with official statistics.

Table 5.1. Comparison of data of the survey with statistics by sex, age groups, region, and type of settlement.

Oblast	gender		age				Type of settlement	
	m	f	18-29	30-44	45-59	60+	urban	rural
Kyiv city (%)	44,8	55,2	16,0	32,7%	24,3%	27,1%	100,0%	0,0%
<i>weighted datafile (%)</i>	45,7	54,3	16,2	32,2%	24,3%	27,3%	100,0%	0,0%
<i>difference (p.p.)</i>	0,9	-0,9	0,2	-0,5%	0,0%	0,2%	0,0%	0,0%
Kyivska (%)	44,3	55,7	15,5	31,3%	25,8%	27,5%	61,5%	38,5%
<i>weighted datafile (%)</i>	45,1	54,9	15,3	31,7%	25,8%	27,2%	61,5%	38,5%
<i>difference (p.p.)</i>	0,8	-0,8	-0,1	0,5%	0,0%	-0,3%	0,0%	0,0%
Vinnytska (%)	45,2	54,8	16,4	27,6%	25,9%	30,1%	51,3%	48,7%
<i>weighted datafile (%)</i>	45,2	54,8	16,2	28,1%	25,5%	30,1%	51,3%	48,7%
<i>difference (p.p.)</i>	0,0	0,0	-0,1	0,5%	-0,4%	0,0%	0,0%	0,0%
Volynska (%)	45,9	54,1	18,8	30,8%	24,8%	25,6%	53,0%	47,0%
<i>weighted datafile (%)</i>	45,8	54,2	19,2	32,5%	23,9%	24,3%	53,0%	47,0%
<i>difference (p.p.)</i>	-0,1	0,1	0,4	1,7%	-0,9%	-1,3%	0,0%	0,0%
Dnipropetrovska (%)	44,4	55,6	14,6	29,9%	25,4%	30,1%	84,2%	15,8%
<i>weighted datafile (%)</i>	44,4	55,6	13,5	29,6%	26,2%	30,6%	84,2%	15,8%
<i>difference (p.p.)</i>	0,0	0,0	-1,1	-0,2%	0,8%	0,5%	0,0%	0,0%
Zhytomyrska (%)	45,4	54,6	17,2	28,1%	25,6%	29,1%	59,4%	40,6%
<i>weighted datafile (%)</i>	45,3	54,7	16,8	28,8%	25,2%	29,3%	59,4%	40,6%
<i>difference (p.p.)</i>	-0,1	0,1	-0,5	0,7%	-0,4%	0,1%	0,0%	0,0%
Zakarpatska (%)	47,1	52,9	19,7	31,1%	25,3%	23,9%	37,0%	63,0%
<i>weighted datafile (%)</i>	47,2	52,8	19,8	31,7%	25,0%	23,5%	37,0%	63,0%
<i>difference (p.p.)</i>	0,2	-0,2	0,1	0,6%	-0,4%	-0,3%	0,0%	0,0%
Ivano-Frankivska (%)	46,2	53,8	18,5	29,7%	25,3%	26,5%	44,5%	55,5%
<i>weighted datafile (%)</i>	44,8	55,2	19,0	29,1%	25,0%	26,8%	44,5%	55,5%
<i>difference (p.p.)</i>	-1,4	1,4	0,6	-0,6%	-0,3%	0,4%	0,0%	0,0%
Kirovogradska (%)	45,0	55,0	15,6	27,3%	26,2%	30,9%	63,4%	36,6%
<i>weighted datafile (%)</i>	45,2	54,8	15,7	27,0%	26,7%	30,6%	63,4%	36,6%
<i>difference (p.p.)</i>	0,2	-0,2	0,1	-0,3%	0,5%	-0,3%	0,0%	0,0%
Lvivska (%)	46,4	53,6	17,9	29,6%	25,2%	27,4%	61,2%	38,8%
<i>weighted datafile (%)</i>	46,2	53,8	17,3	29,8%	25,2%	27,7%	61,2%	38,8%
<i>difference (p.p.)</i>	-0,2	0,2	-0,6	0,3%	0,0%	0,3%	0,0%	0,0%
Poltavska (%)	45,1	54,9	14,8	28,5%	26,6%	30,2%	62,2%	37,8%
<i>weighted datafile (%)</i>	44,7	55,3	15,5	28,8%	26,0%	29,6%	62,2%	37,8%
<i>difference (p.p.)</i>	-0,4	0,4	0,8	0,3%	-0,6%	-0,5%	0,0%	0,0%
Rivnenska (%)	46,4	53,6	19,8	30,1%	25,0%	25,1%	48,7%	51,3%

Oblast	gender		age				Type of settlement	
	m	f	18-29	30-44	45-59	60+	urban	rural
<i>weighted datafile (%)</i>	46,7	53,3	21,6	28,8%	24,5%	25,0%	48,7%	51,3%
<i>difference (p.p.)</i>	0,3	-0,3	1,8	-1,3%	-0,5%	0,0%	0,0%	0,0%
Sumska (%)	44,9	55,1	14,4	28,0%	26,1%	31,4%	69,0%	31,0%
<i>weighted datafile (%)</i>	45,2	54,8	14,4	28,3%	25,8%	31,5%	69,0%	31,0%
<i>difference (p.p.)</i>	0,3	-0,3	0,0	0,3%	-0,3%	0,0%	0,0%	0,0%
Ternopil'ska (%)	45,8	54,2	17,7	29,1%	25,3%	27,9%	45,3%	54,7%
<i>weighted datafile (%)</i>	45,1	54,9	17,7	29,9%	25,0%	27,5%	45,3%	54,7%
<i>difference (p.p.)</i>	-0,7	0,7	0,0	0,8%	-0,4%	-0,4%	0,0%	0,0%
Khmeln'ytska (%)	45,4	54,6	16,2	27,8%	25,9%	30,1%	57,0%	43,0%
<i>weighted datafile (%)</i>	41,9	58,1	15,5	28,6%	26,7%	29,2%	57,0%	43,0%
<i>difference (p.p.)</i>	-3,4	3,4	-0,7	0,8%	0,7%	-0,9%	0,0%	0,0%
Cherkaska (%)	44,9	55,1	14,9	27,4%	26,3%	31,4%	56,7%	43,3%
<i>weighted datafile (%)</i>	44,8	55,2	14,9	27,8%	25,4%	31,8%	56,7%	43,3%
<i>difference (p.p.)</i>	0,0	0,0	0,0	0,4%	-0,8%	0,4%	0,0%	0,0%
Chernivetska (%)	46,0	54,0	18,9	30,0%	24,9%	26,2%	43,9%	56,1%
<i>weighted datafile (%)</i>	45,3	54,7	20,2	28,4%	24,7%	26,6%	43,9%	56,1%
<i>difference (p.p.)</i>	-0,6	0,6	1,4	-1,6%	-0,2%	0,4%	0,0%	0,0%
Chernigiv'ska (%)	44,4	55,6	14,0	28,0%	25,0%	33,0%	64,9%	35,1%
<i>weighted datafile (%)</i>	44,7	55,3	13,2	27,5%	26,5%	32,8%	64,9%	35,1%
<i>difference (p.p.)</i>	0,3	-0,3	-0,8	-0,5%	1,5%	-0,2%	0,0%	0,0%
Total (%)	45,3	54,7	16,5	29,6%	25,4%	28,5%	63,8%	36,2%
TOTAL (by weighted data) (%)	45,2	54,8	16,4	29,7%	25,4%	28,5%	63,8%	36,2%
Difference (p.p.)	-0,1	0,1	-0,1	0,1%	0,0%	0,0%	0,0%	0,0%

Internally displaced persons

With limited sources of reliable regional statistics of IDPs, data collected in 8 rounds of representative surveys *KIIS' Omnibus* conducted during May 2022 – January 2023 (total 16,019 interviews with 2,372 IDPs) have been used as a base for comparison. Weights have been constructed by oblasts and then by urban/rural location and sex-age distribution. The table below shows comparison of weighted data with collected representative survey data.

Table 5.2. Comparison of data of the survey with representative survey data by sex, age groups, macroregion, and type of settlement.

Characteristic	KIIS' Omnibus (%)	2022 Corruption survey (weighted data) (%)	Difference (p.p.)
Gender			
male	43.4	42.8	0.6
female	56.6	57.2	-0.6
Age			
18-29	23.8	24.1	-0.3
30-44	35.6	36.2	-0.7
45-59	20.3	18.2	2.1
60+	20.4	21.5	-1.1
Type of settlement			
urban	75.8	79.2	-3.4
rural	24.2	20.8	3.4

Macroregion				
West	32.2		32.2	0.0
Center	49.2		49.6	-0.4
South	18.6		18.2	0.4
East	0.0		0.0	0.0

Thus, weights should be applied when analyzing data of general population and IDPs.

Shelter seekers abroad

There are very limited statistics on persons who seeks shelter abroad, therefore no weighting has been applied to this subsample. The table below represents the list of countries covered by the survey. Those countries sheltered 25 thousand of Ukrainians or more (collected by [Slovo I Dilo](#)) have been displayed.

Table 5.3. Countries covered by the survey (subsample of shelter seekers abroad).

Country	Sheltered Ukrainians		Interviews collected		Difference (p.p)
	thousand people	%	n	%	
Poland	1469	22,6%	627	30,6%	8,0
Germany	1008,9	15,5%	543	26,5%	11,0
Czech Republic	455,7	7,0%	95	4,6%	-2,4
Italy	171,5	2,6%	55	2,7%	0,0
Spain	150,4	2,3%	55	2,7%	0,4
Turkey	145	2,2%	22	1,1%	-1,2
Great Britain	141,5	2,2%	51	2,5%	0,3
France	118,9	1,8%	110	5,4%	3,5
USA	100	1,5%	64	3,1%	1,6
Slovakia	99,3	1,5%	15	0,7%	-0,8
Moldova	95,4	1,5%	14	0,7%	-0,8
Romania	87,8	1,4%	16	0,8%	-0,6
Austria	85,4	1,3%	15	0,7%	-0,6
Netherlands	79,2	1,2%	31	1,5%	0,3
Lithuania	69,3	1,1%	16	0,8%	-0,3
Switzerland	68	1,0%	22	1,1%	0,0
Canada	65	1,0%	20	1,0%	0,0
Estonia	61,2	0,9%	13	0,6%	-0,3
Belgium	58,5	0,9%	21	1,0%	0,1
Ireland	56,3	0,9%	64	3,1%	2,3
Bulgaria	55	0,8%	35	1,7%	0,9
Portugal	52,9	0,8%	3	0,1%	-0,7
Sweden	47,6	0,7%	22	1,1%	0,3
Latvia	40,4	0,6%	5	0,2%	-0,4
Finland	38,5	0,6%	13	0,6%	0,0
Denmark	36,7	0,6%	12	0,6%	0,0
Hungary	31,2	0,5%	6	0,3%	-0,2
Norway	30,9	0,5%	0	0,0%	-0,5
Montenegro	28,6	0,4%	0	0,0%	-0,4
Georgia	24,9	0,4%	17	0,8%	0,4
Other	2028,5	31,2%	64	3,1%	8,0
TOTAL	6500	100,0%	2046	100,0%	0,0

5.2. Internal control

The task for internal control was 10% of the sample to be verified. Control was conducted by repeated contacts with respondents.

The control of interviewers' work included:

- The control analysis of diaries of interviewers.
- The control of the fact and quality of conducted interviews in certain household;

The internal control was carried out by specially trained interviewers/controllers, during December 2022 – February 2023.

Interviewer's diary served as a toolkit for the control of a particular household selection procedure. A specially developed controller's questionnaire and controller's routing sheet served as a toolkit for the control of the fact and the quality of a particular interview.

The following number of interviews have been verified:

General population subsample: 1,006 (82 by personal visit and 924 by phone); 200 PSUs in all 18 oblasts have been checked.

IDPs subsample: 100 (by phone); 52 settlements in 14 oblasts have been checked;

Shelter seekers abroad subsample: 200 (by phone/messengers).

As a result of the field control, no violations have been observed.

6. Data coding and processing

Data have been collected electronically (OCA-CAPI). Survey logics have been incorporated into the instrument. After data collection, only general data completeness as well as outliers have been checked. Also, all text responses to open-ended questions have been analyzed and coded if necessary.

The final data files contain data of 10,117 interviews with general population, 1,029 interviews with IDPs, and 2,046 interviews with shelter seekers abroad.

Final data file was provided to the Client in SPSS and CSV formats with codebook.

In the process of preparing the final data file a number of new variables were constructed:

To repair shifts in the sample of general population and IDPs it is necessary to weight data files using constructed variable **Weight / Weight_IDP**.

The numeric variable "Age of respondent" was transformed into variable "**age_gr**" (4 age groups)

The variable "**tp_ar**" (Type of the settlement) was constructed from the sampling list with values 'urban' and 'rural'.

The variable "**region**" (4 macroregions) was constructed based on the geographic oblasts.