KIEV INTERNATIONAL INSTITUTE OF SOCIOLOGY

The National Survey

“Corruption in Ukraine. Follow up.”

Technical report

Kyiv - 2018

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1. Resume

This report deals with the methodology of the Ukraine National Survey on corruption, 2018.

The research was carried out by the Kiev International Institute of Sociology during June – September, 2018.

The population of the survey is the adult population living on the government-controlled territories of Ukraine. 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 sample was representative for the adult population of Ukraine as well as for each of 24 oblasts and Kyiv city. It suggested carrying out the survey in 476 settlements (300 cities/towns and 176 rural rajons).

The fieldwork lasted during July 4 – August 11, 2018. In total, 10,202 interviews were conducted by 285 interviewers.
Final data file includes results of 10,169 interviews (after field and logical control).

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 2015. Necessary updates have been made to the instrument (political parties, reference periods etc.) including adding new relevant questions.

Pretest. The instrument was piloted with 24 respondents. The pilot study served as a way to discover unexpected problems in question interpretation or translation, as well as in questionnaire format. The pretest was carried out in Kyiv city and in a village of Kyiv oblast. After-pretest recommendations have been incorporated into finalized instrument.

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

Target population

The target population of the survey is people 18 years of age and older living in Ukraine.

The sample doesn't include the contaminated territories around the Chornobyl. Individuals permanently institutionalized in medical facilities, military quarters, and prisons are not included in the sample. The temporarily occupied territories of the Autonomous Republic of Crimea, city of Sevastopol, and certain areas of Donetsk and Luhansk oblasts, were excluded from the survey.

Sampling Methodology

The methodology used for the sampling is stratified probability sampling proportional to population size with quota selection at the last stage. The sample included 1,000 secondary sampling points.

Stratification

In order to provide representative data for each administrative unit of Ukraine, the sample is equally distributed among those units: 24 oblasts and Kyiv city (no less than 400 completed interviews per unit).

Each administrative unit 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) – 476 PSUs in total

PSUs in Urban Substrata

Separate settlements (cities, towns, and urban-type communities (PGTs)) are defined as the PSUs for urban substrata. Complete list of the settlements for each substratum is known. We select PSUs using Graham Kalton method of Probability Proportional to Size Sampling (Michigan University, Copyright 1983 by Sage Publications, Inc.). KIIS uses its own software for drawing samples based on this methodology.

PSUs in Rural Substrata

Rural districts (raion) are used as PSUs for the rural substrata. Complete list of the rural districts for each substratum is available. We select PSUs using the same Kalton PPS method.

The number of PSUs selected within each administrative unit is calculated with the aim to obtain more or less equal sampling error per unit. The survey was conducted in 476 PSUs altogether.

2) Selection of Secondary Sampling Units

KIIS uses the voting precincts (VP) for the next stage of sampling since there are no reliable and available households or population registers in Ukraine. Within each PSU, a list of voting precincts is available from Central Election Commission. A given number of voting precincts are randomly chosen. Simple random selection method is used for selection.

3) 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.

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 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.

The fieldwork stage of the survey began on July 4 and was finished on August 11, 2018.

At the stage of fieldwork 10,202 questionnaires were collected.

4.1. Interviewers' training

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. 285 KIIS interviewers participated in the fieldwork under the project.
The survey was conducted at the respondent's homes by trained interviewers. Interviewer conducted the interview in one of two languages – Russian or Ukrainian, up to respondent's choice.

5. Data control

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

5.1. External control

To estimate possible shifts of the sample, the raw results of the survey were compared with official statistics. The following table shows this comparison.

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		TOTAL (by weighted data)
	m	f	18-29	30-44	45-59	60+	urban	rural	
Kyiv city	45.5%	54.5%	21.5%	32.1%	24.3%	22.1%	100.0%	0.0%	6.6%
datafile	46.8%	53.2%	20.5%	33.2%	23.0%	23.3%	100.0%	0.0%	6.6%
difference	-1.3%	1.3%	1.0%	-1.0%	1.2%	-1.2%	0.0%	0.0%	0.0%
Kyivska	44.9%	55.1%	19.3%	28.5%	26.1%	26.1%	61.7%	38.3%	4.0%
datafile	45.1%	54.9%	17.7%	30.9%	24.5%	26.8%	61.7%	38.3%	4.0%
difference	-0.2%	0.2%	1.5%	-2.5%	1.6%	-0.7%	0.0%	0.0%	0.0%
Vinnytska	45.0%	55.0%	19.8%	26.3%	25.5%	28.4%	50.2%	49.8%	3.7%
datafile	44.4%	55.6%	20.1%	26.2%	24.8%	28.9%	50.2%	49.8%	3.7%
difference	0.6%	-0.6%	-0.3%	0.1%	0.7%	-0.5%	0.0%	0.0%	0.0%
Volynska	45.8%	54.2%	22.1%	29.2%	25.4%	23.2%	53.1%	46.9%	2.3%
datafile	47.5%	52.5%	20.9%	28.6%	25.6%	24.9%	53.1%	46.9%	2.3%
difference	-1.7%	1.7%	1.2%	0.6%	-0.2%	-1.6%	0.0%	0.0%	0.0%
Dnipropetrovska	44.1%	55.9%	18.5%	28.8%	25.8%	26.9%	83.8%	16.2%	7.7%
datafile	44.4%	55.6%	19.3%	27.4%	25.5%	27.7%	83.8%	16.2%	7.7%
difference	-0.2%	0.2%	-0.9%	1.4%	0.3%	-0.7%	0.0%	0.0%	0.0%
Donetska	44.3%	55.7%	17.2%	27.3%	25.8%	29.7%	90.8%	9.2%	10.3%
datafile	44.0%	56.0%	19.4%	25.6%	25.5%	29.5%	90.8%	9.2%	10.3%
difference	0.3%	-0.3%	-2.3%	1.7%	0.3%	0.3%	0.0%	0.0%	0.0%
Zhytomyrska	45.2%	54.8%	20.2%	26.9%	25.6%	27.3%	58.9%	41.1%	2.9%
datafile	45.4%	54.6%	19.8%	26.7%	25.6%	28.0%	58.9%	41.1%	2.9%
difference	-0.2%	0.2%	0.4%	0.2%	0.0%	-0.6%	0.0%	0.0%	0.0%
Zakarpatska	47.0%	53.0%	23.0%	29.8%	25.5%	21.7%	37.0%	63.0%	2.8%
datafile	46.1%	53.9%	22.9%	29.6%	25.4%	22.2%	37.0%	63.0%	2.8%
difference	0.9%	-0.9%	0.1%	0.3%	0.2%	-0.5%	0.0%	0.0%	0.0%
Zaporizka	44.0%	56.0%	17.8%	28.2%	26.1%	27.9%	77.5%	22.5%	4.2%
datafile	44.6%	55.4%	19.9%	26.2%	26.0%	27.9%	77.5%	22.5%	4.2%
difference	-0.6%	0.6%	-2.1%	2.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Ivano-Frankivska	46.2%	53.8%	22.0%	28.0%	25.9%	24.1%	43.9%	56.1%	3.1%
datafile	46.6%	53.4%	21.8%	27.5%	25.0%	25.7%	43.9%	56.1%	3.1%
difference	-0.3%	0.3%	0.2%	0.5%	0.9%	-1.6%	0.0%	0.0%	0.0%
Kirovogradska	44.8%	55.2%	19.3%	25.8%	26.0%	28.9%	63.0%	37.0%	2.3%
datafile	44.7%	55.3%	20.1%	25.4%	25.7%	28.7%	63.0%	37.0%	2.3%
difference	0.2%	-0.2%	-0.8%	0.4%	0.3%	0.2%	0.0%	0.0%	0.0%
Luganska	44.8%	55.2%	16.9%	27.1%	26.4%	29.6%	86.9%	13.1%	5.4%
datafile	44.0%	56.0%	18.7%	26.5%	26.6%	28.2%	86.9%	13.1%	5.4%
difference	0.8%	-0.8%	-1.8%	0.6%	-0.2%	1.4%	0.0%	0.0%	0.0%
Lvivska	46.5%	53.5%	21.2%	28.0%	26.2%	24.6%	61.1%	38.9%	5.8%
datafile	45.8%	54.2%	20.3%	27.5%	26.2%	25.9%	61.1%	38.9%	5.8%
difference	0.6%	-0.6%	0.9%	0.5%	0.0%	-1.3%	0.0%	0.0%	0.0%
Mykolayivska	45.1%	54.9%	19.7%	27.7%	25.9%	26.7%	69.1%	30.9%	2.7%

Oblast	gender		age				Type of settlement		TOTAL (by weighted data)
	m	f	18-29	30-44	45-59	60+	urban	rural	
datafile	45.6%	54.4%	20.3%	27.0%	25.5%	27.2%	69.1%	30.9%	2.7%
difference	-0.5%	0.5%	-0.6%	0.7%	0.5%	-0.5%	0.0%	0.0%	0.0%
Odeska	46.0%	54.0%	20.5%	28.7%	24.9%	25.9%	67.8%	32.2%	5.5%
datafile	45.8%	54.2%	20.3%	28.7%	24.2%	26.8%	67.8%	32.2%	5.5%
difference	0.2%	-0.2%	0.2%	0.0%	0.7%	-0.9%	0.0%	0.0%	0.0%
Poltavska	44.9%	55.1%	18.7%	27.0%	26.1%	28.3%	61.6%	38.4%	3.4%
datafile	45.0%	55.0%	19.2%	26.2%	25.8%	28.9%	61.6%	38.4%	3.4%
difference	0.0%	0.0%	-0.5%	0.8%	0.3%	-0.7%	0.0%	0.0%	0.0%
Rivnenska	46.3%	53.7%	22.8%	28.9%	25.7%	22.6%	49.0%	51.0%	2.5%
datafile	47.0%	53.0%	22.3%	28.5%	25.8%	23.5%	49.0%	51.0%	2.5%
difference	-0.7%	0.7%	0.5%	0.4%	0.0%	-0.9%	0.0%	0.0%	0.0%
Sumska	44.7%	55.3%	18.1%	26.7%	26.6%	28.6%	68.1%	31.9%	2.7%
datafile	43.4%	56.6%	19.4%	25.8%	26.0%	28.9%	68.1%	31.9%	2.7%
difference	1.3%	-1.3%	-1.3%	0.9%	0.6%	-0.2%	0.0%	0.0%	0.0%
Ternopilska	45.6%	54.4%	20.8%	27.5%	25.9%	25.7%	44.3%	55.7%	2.5%
datafile	45.7%	54.3%	20.2%	27.1%	26.4%	26.2%	44.3%	55.7%	2.5%
difference	-0.1%	0.1%	0.6%	0.4%	-0.5%	-0.5%	0.0%	0.0%	0.0%
Kharkivska	45.1%	54.9%	19.6%	29.1%	25.3%	26.1%	80.6%	19.4%	6.5%
datafile	44.8%	55.2%	19.4%	27.7%	24.7%	28.2%	80.6%	19.4%	6.5%
difference	0.3%	-0.3%	0.2%	1.3%	0.5%	-2.1%	0.0%	0.0%	0.0%
Khersonska	45.2%	54.8%	19.8%	27.4%	26.2%	26.6%	61.6%	38.4%	2.5%
datafile	45.0%	55.0%	20.4%	26.3%	25.8%	27.5%	61.6%	38.4%	2.5%
difference	0.2%	-0.2%	-0.6%	1.1%	0.4%	-1.0%	0.0%	0.0%	0.0%
Khmelnytska	45.2%	54.8%	19.5%	26.5%	26.1%	27.9%	55.8%	44.2%	3.0%
datafile	44.9%	55.1%	19.1%	26.3%	25.5%	29.1%	55.8%	44.2%	3.0%
difference	0.3%	-0.3%	0.3%	0.2%	0.6%	-1.2%	0.0%	0.0%	0.0%
Cherkaska	44.7%	55.3%	18.5%	26.3%	25.9%	29.3%	56.6%	43.4%	3.0%
datafile	44.9%	55.1%	19.6%	25.6%	25.0%	29.8%	56.6%	43.4%	3.0%
difference	-0.2%	0.2%	-1.1%	0.7%	0.8%	-0.4%	0.0%	0.0%	0.0%
Chernivetska	45.9%	54.1%	22.1%	28.6%	25.0%	24.3%	43.7%	56.3%	2.1%
datafile	45.8%	54.2%	21.6%	28.8%	24.3%	25.4%	43.7%	56.3%	2.1%
difference	0.1%	-0.1%	0.6%	-0.1%	0.7%	-1.1%	0.0%	0.0%	0.0%
Chernigivska	44.3%	55.7%	17.8%	25.9%	25.6%	30.8%	63.9%	36.1%	2.5%
datafile	44.2%	55.8%	17.2%	24.9%	26.5%	31.4%	63.9%	36.1%	2.5%
difference	0.2%	-0.2%	0.6%	1.0%	-0.9%	-0.7%	0.0%	0.0%	0.0%
Total	45.1%	54.9%	19.6%	28.1%	25.7%	26.7%	69.5%	30.5%	
TOTAL (by weighted data)	45.1%	54.9%	19.9%	27.5%	25.3%	27.3%	69.5%	30.5%	
Difference	0.0%	0.0%	-0.3%	0.6%	0.4%	-0.6%	0.0%	0.0%	

To avoid shifts caused by the equal sample per oblast, weights by oblast and type of residence have been constructed. After weighting, we obtain maximum difference by gender, age, and type of residence at 1.1.

5.2. Internal control

10% of interviews (1,035) were controlled by repeated visits.

The control of interviewers' work included:

• The control of the fact and quality of conducted interviews in certain household;

• The control analysis of diaries of interviewers.

The internal control was carried out by specially trained interviewers/controllers, during July 18 – August 15, 2018.

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.
According to the results of the field control, 33 interviews were removed from data file.

6. Coding, input, and logical control of the data

Coding, input, and logical control of the data was carried out in several stages and in parallel to data collection.

The coding of the questionnaires included:

• Questionnaires' registration, numbering, checking correctness of filling the section for interviewers, restoring information in accordance with interviewers' diaries if necessary;

• Checking correctness of filling the questionnaires: following skips, correct understanding of questionnaire's logic, analysis of interviewers' mistakes;

Ten trained editors participated in work on coding and editing questionnaires.

Data entry was carried out in created at KIIS software package "OCA" by the group of 24 operators.
As a result of data input a data file containing results of 10,202 interviews was created. Later, 33 interviews that had not been confirmed by fieldwork control were removed from data file.

After data input the logical control was conducted – cleaning of the final data file on the specially developed logical conditions.

Control within the questionnaire allowed finding the questionnaires with illogical answers as well as incorrect skipping.

The final data file contains data of 10,169 interviews.

7. Preparation of the final data file. Data Format

Final data file was provided to the Client in SPSS (Statistical Package for Social Sciences) format.

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

To repair shifts in the sample by oblast it is necessary to weight data file using constructed variable "**Weight**".

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'.