

KIEV INTERNATIONAL INSTITUTE OF SOCIOLOGY

The National Survey

“Corruption in Ukraine. Follow up.”

Technical report

Kyiv - 2011

Contents

1. Resume.....	3
2. Developing the instruments	3
2.1. Developing the questionnaires	3
2.2 Accompanying materials.....	3
3. Sample.....	4
4. Field stage implementation.....	4
4.1. Interviewers' training	4
5. Data control	5
5.1. External control.....	5
5.2. Internal control.....	7
6. Coding, input, and logical control of the data	7
7. Preparation of the final data file. Data Format	8

1. Resume

This report deals with the methodology of the Ukraine National Survey on corruption, 2011.

The research was carried out by the Kiev International Institute of Sociology during March – May, 2011.

The population of the survey is the adult population 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, AR of Crimea, and Kyiv city. It suggested carrying out the survey in 489 settlements (in 185 cities, 111 city-type villages, and 193 villages).

The fieldwork lasted during March 18 – April 26, 2011. In total, 10686 interviews were conducted. 287 interviewers participated in the survey.

Final data file includes results of 10639 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 instrument used in the study will be identical to the one used in the MSI "Action" project (2007, 2008, and 2009) with minor adjustment and additions. Therefore, no pretest have been required.

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

The target population for Ukraine is defined as persons age 18 or older residing in private households in Ukraine. Persons living in institutions are not eligible. The sample of households from which sample persons have been selected was based on randomly sampled postal districts within proportionally sampled settlements (e.g., city, town, village). The 3-stage sample design is described below.

To ensure representative results for each of 26 administrative units, the total sample size is estimated to be at least 10,400 interviews (400 interviews in each of 26 administrative units).

A stratified, multi-stage area probability sample was employed. Administrative structure of Ukraine is represented by 24 oblasts, the Autonomous Republic of Crimea, and two cities with special status – Kyiv (capitol) and Sevastopol¹. Each oblast is divided into rajons (or counties), and one city in each oblast is designated as the oblast center. Each oblast contains cities, towns, city-type communities (PGT), and villages, reflecting the type of municipal administration granted to the settlement. On the first stage, 489 Primary Sampling Units (PSUs) have been selected with PPS (probability proportional to size) from the cities, PGTs and rural rajons. The sample was drawn in such a way that the urban and rural populations of each oblast are represented proportionally.

Once the PSUs have been selected, a sample of postal districts was chosen randomly from the list of residential postal districts within each PSU, taking into account the number of residential districts, which is proportional to the number of apartments (in Ukraine, alternative lists (housing or voting) are not available).

On the third stage, a randomized-number rule was used to select the street, household, and apartment that the interviewer is to visit first. After selection of the initial address, quota sample of respondents has been implemented.

4. Field stage implementation

The network of the KIIS interviewers has the following structure:

A network coordinator and 2 regional supervisors of fieldwork department carry out general management of 28 groups of interviewers, which constantly live in 26 regions of Ukraine (there may be more than one group in some regions).

The brigadiers of groups of interviewers (28 persons) 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.

At the stage of fieldwork no less than 10,400 questionnaires are to be collected.

The fieldwork stage of the survey began on March 18 and was finished on April 26, 2011.

At the stage of fieldwork 10686 questionnaires were collected.

4.1. Interviewers' training

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

¹ In our sampling, however, we do not distinguish Sevastopol as individual stratification unit. It is seen as part of Crimea since its separation is rather political than administrative.

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 training deals with the concrete survey peculiarities.

Each interviewer participating in the survey, had to pass a short test on peculiarities of the questionnaire. Afterwards, during the fieldwork, polling network coordinator and project coordinator answered the questions that arose during the interviews.

287 KIIS interviewers participated in the fieldwork under the project.

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 results of the survey were compared with data of census of 2001. Two following tables show this comparison before and after weighing.

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

Oblast	gender		age				Type of settlement		TOTAL
	m	f	18-29	30-44	45-59	60+	urban	rural	
Crimea	44.6%	55.4%	22.2%	27.7%	24.4%	25.7%	68.8%	31.2%	5.0%
<i>datafile</i>	43.4%	56.6%	21.4%	26.5%	26.0%	26.2%	70.6%	29.4%	5.0%
<i>difference</i>	-1.2%	1.2%	-0.9%	-1.3%	1.6%	0.5%	1.8%	-1.8%	0.0%
Kyiv city	45.6%	54.4%	27.3%	27.9%	24.8%	20.0%	100.0%	0.0%	5.6%
<i>datafile</i>	43.8%	56.2%	27.4%	27.6%	23.6%	21.4%	100.0%	0.0%	5.6%
<i>difference</i>	-1.8%	1.8%	0.0%	-0.3%	-1.1%	1.4%	0.0%	0.0%	0.0%
Kyivska	44.9%	55.1%	21.5%	27.7%	22.6%	28.2%	56.9%	43.1%	3.8%
<i>datafile</i>	44.4%	55.6%	21.0%	28.7%	22.2%	28.0%	56.3%	43.7%	3.8%
<i>difference</i>	-0.5%	0.5%	-0.5%	1.0%	-0.4%	-0.1%	-0.6%	0.6%	0.0%
Vinnyska	44.1%	55.9%	20.5%	26.4%	22.4%	30.8%	45.5%	54.5%	3.6%
<i>datafile</i>	44.7%	55.3%	20.9%	26.0%	22.1%	31.1%	44.9%	55.1%	3.6%
<i>difference</i>	0.6%	-0.6%	0.4%	-0.4%	-0.3%	0.3%	-0.6%	0.6%	0.0%
Volynska	45.8%	54.2%	24.1%	28.6%	21.2%	26.1%	50.6%	49.4%	2.1%
<i>datafile</i>	46.1%	53.9%	24.5%	28.6%	21.4%	25.5%	50.5%	49.5%	2.1%
<i>difference</i>	0.3%	-0.3%	0.4%	0.0%	0.2%	-0.6%	-0.1%	0.1%	0.0%
Dnipropetrovska	44.7%	55.3%	22.1%	27.7%	22.8%	27.4%	83.4%	16.6%	7.5%
<i>datafile</i>	44.7%	55.3%	22.3%	27.7%	22.6%	27.4%	83.5%	16.5%	7.5%
<i>difference</i>	0.0%	0.0%	0.3%	0.0%	-0.3%	0.0%	0.1%	-0.1%	0.0%
Donetska	44.5%	55.5%	21.1%	26.9%	23.3%	28.6%	90.4%	9.6%	10.3%
<i>datafile</i>	44.7%	55.3%	21.1%	26.9%	23.1%	28.9%	90.8%	9.2%	10.3%
<i>difference</i>	0.2%	-0.2%	0.0%	0.0%	-0.2%	0.2%	0.4%	-0.4%	0.0%
Zhytomyrska	45.0%	55.0%	21.1%	26.9%	22.4%	29.6%	55.6%	44.4%	2.8%
<i>datafile</i>	46.4%	53.6%	21.4%	27.2%	22.2%	29.2%	56.4%	43.6%	2.8%
<i>difference</i>	1.4%	-1.4%	0.3%	0.3%	-0.2%	-0.5%	0.8%	-0.8%	0.0%
Zakarpatska	47.1%	52.9%	25.7%	30.0%	23.2%	21.2%	37.8%	62.2%	2.4%
<i>datafile</i>	47.4%	52.6%	25.6%	30.7%	22.6%	21.1%	37.1%	62.9%	2.4%

	<i>difference</i>	0.3%	-0.3%	-0.1%	0.8%	-0.6%	-0.1%	-0.7%	0.7%	0.0%
Zaporizka		44.6%	55.4%	21.4%	27.6%	23.7%	27.3%	76.2%	23.8%	4.0%
	<i>datafile</i>	44.4%	55.6%	21.6%	27.7%	23.1%	27.7%	76.2%	23.8%	4.0%
	<i>difference</i>	-0.2%	0.2%	0.2%	0.1%	-0.6%	0.3%	0.0%	0.0%	0.0%
Ivano-Frankivska		45.8%	54.2%	23.5%	29.4%	21.4%	25.8%	42.1%	57.9%	2.8%
	<i>datafile</i>	45.4%	54.6%	23.8%	28.6%	21.4%	26.2%	43.2%	56.8%	2.8%
	<i>difference</i>	-0.4%	0.4%	0.3%	-0.7%	0.0%	0.4%	1.1%	-1.1%	0.0%
Kirovogradska		44.5%	55.5%	20.2%	26.8%	23.6%	29.4%	60.5%	39.5%	2.3%
	<i>datafile</i>	43.9%	56.1%	20.1%	26.7%	24.0%	29.1%	60.7%	39.3%	2.3%
	<i>difference</i>	-0.6%	0.6%	-0.1%	-0.1%	0.5%	-0.3%	0.2%	-0.2%	0.0%
Luganska		44.7%	55.3%	21.2%	27.1%	23.1%	28.6%	86.2%	13.8%	5.4%
	<i>datafile</i>	45.4%	54.6%	21.4%	26.9%	23.3%	28.4%	86.7%	13.3%	5.4%
	<i>difference</i>	0.7%	-0.7%	0.2%	-0.2%	0.2%	-0.2%	0.4%	-0.4%	0.0%
Lvivska		46.3%	53.7%	23.4%	29.3%	21.8%	25.5%	59.9%	40.1%	5.3%
	<i>datafile</i>	46.6%	53.4%	23.8%	28.9%	21.6%	25.7%	60.0%	40.0%	5.3%
	<i>difference</i>	0.3%	-0.3%	0.3%	-0.4%	-0.2%	0.3%	0.0%	0.0%	0.0%
Mykolayivska		45.2%	54.8%	22.3%	28.2%	24.0%	25.5%	67.4%	32.6%	2.6%
	<i>datafile</i>	45.0%	55.0%	22.5%	28.6%	23.5%	25.4%	67.2%	32.8%	2.6%
	<i>difference</i>	-0.2%	0.2%	0.2%	0.4%	-0.5%	-0.1%	-0.1%	0.1%	0.0%
Odeska		45.6%	54.4%	23.3%	27.7%	23.9%	25.1%	67.4%	32.6%	5.1%
	<i>datafile</i>	47.1%	52.9%	23.8%	27.8%	23.6%	24.8%	66.7%	33.3%	5.1%
	<i>difference</i>	1.5%	-1.5%	0.5%	0.1%	-0.3%	-0.3%	-0.6%	0.6%	0.0%
Poltavska		44.4%	55.6%	20.5%	26.6%	22.6%	30.3%	58.7%	41.3%	3.4%
	<i>datafile</i>	44.5%	55.5%	20.3%	27.4%	21.8%	30.6%	58.4%	41.6%	3.4%
	<i>difference</i>	0.1%	-0.1%	-0.2%	0.8%	-0.9%	0.3%	-0.3%	0.3%	0.0%
Rivnenska		46.0%	54.0%	24.6%	29.4%	21.4%	24.7%	47.3%	52.7%	2.3%
	<i>datafile</i>	45.9%	54.1%	24.0%	30.1%	21.1%	24.8%	47.6%	52.4%	2.3%
	<i>difference</i>	-0.1%	0.1%	-0.5%	0.7%	-0.2%	0.0%	0.3%	-0.3%	0.0%
Sumska		44.3%	55.7%	20.3%	26.6%	23.0%	30.1%	64.3%	35.7%	2.7%
	<i>datafile</i>	44.9%	55.1%	20.4%	27.4%	22.8%	29.4%	64.8%	35.2%	2.7%
	<i>difference</i>	0.6%	-0.6%	0.1%	0.8%	-0.2%	-0.8%	0.6%	-0.6%	0.0%
Ternopil'ska		45.0%	55.0%	22.4%	27.8%	21.3%	28.6%	41.9%	58.1%	2.3%
	<i>datafile</i>	44.6%	55.4%	19.4%	26.4%	21.2%	32.9%	31.9%	68.1%	2.3%
	<i>difference</i>	-0.4%	0.4%	-3.0%	-1.3%	0.0%	4.3%	-10.1%	10.1%	0.0%
Kharkiv'ska		44.7%	55.3%	22.9%	26.9%	23.2%	26.9%	79.0%	21.0%	6.2%
	<i>datafile</i>	44.5%	55.5%	23.2%	26.7%	23.0%	27.1%	79.0%	21.0%	6.2%
	<i>difference</i>	-0.2%	0.2%	0.3%	-0.3%	-0.2%	0.2%	0.0%	0.0%	0.0%
Kherson'ska		45.3%	54.7%	22.3%	28.4%	23.8%	25.5%	61.1%	38.9%	2.4%
	<i>datafile</i>	45.1%	54.9%	22.4%	28.3%	23.9%	25.4%	61.5%	38.5%	2.4%
	<i>difference</i>	-0.2%	0.2%	0.1%	-0.1%	0.1%	-0.2%	0.4%	-0.4%	0.0%
Khmelnytska		44.6%	55.4%	20.6%	27.0%	22.7%	29.6%	50.0%	50.0%	2.9%
	<i>datafile</i>	44.7%	55.3%	21.4%	27.4%	22.6%	28.6%	50.0%	50.0%	2.9%
	<i>difference</i>	0.1%	-0.1%	0.8%	0.4%	-0.1%	-1.0%	0.0%	0.0%	0.0%
Cherkaska		44.1%	55.9%	19.8%	26.3%	23.2%	30.7%	53.1%	46.9%	2.9%
	<i>datafile</i>	44.0%	56.0%	20.3%	26.2%	22.7%	30.8%	52.8%	47.2%	2.9%
	<i>difference</i>	-0.1%	0.1%	0.5%	-0.1%	-0.4%	0.1%	-0.3%	0.3%	0.0%
Chernivetska		45.5%	54.5%	24.1%	28.0%	22.0%	25.9%	41.0%	59.0%	1.8%
	<i>datafile</i>	45.6%	54.4%	24.8%	28.2%	21.6%	25.5%	41.0%	59.0%	1.8%
	<i>difference</i>	0.1%	-0.1%	0.7%	0.1%	-0.4%	-0.4%	0.0%	0.0%	0.0%
Chernigiv'ska		44.0%	56.0%	19.0%	24.7%	22.5%	33.7%	57.3%	42.7%	2.6%

<i>datafile</i>	44.9%	55.1%	19.2%	25.0%	22.8%	33.0%	57.3%	42.7%	2.6%
<i>difference</i>	0.9%	-0.9%	0.2%	0.3%	0.3%	-0.7%	0.0%	0.0%	0.0%
Total	45.0%	55.0%	22.2%	27.5%	23.0%	27.2%	67.8%	32.2%	197.6%
TOTAL (datafile weighted by oblast)	45.0%	55.0%	22.3%	27.5%	22.8%	27.4%	67.7%	32.3%	
Difference	0.0%	0.0%	0.1%	0.0%	-0.2%	0.2%	-0.1%	0.1%	-197.6%

To avoid shifts caused by the equal sample per oblast, weights by oblast have been constructed. After weighting, we obtain maximum difference by gender, age, and type of residence at 0.2. Therefore to provide the data with representativeness by oblast, weight data for Ukraine as a whole and use unweighted data for each oblast.

5.2. Internal control

10% of interviews (1023) 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 April 1-28, 2011.

An 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.

Field control was conducted in 63 settlements of 26 areas of Ukraine. Work of 83 interviewers was controlled.

According to the results of the field control, 47 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;

Nine trained coders participated in work on coding and editing questionnaires.

Data entry was carried out in created at KIIS software package "OCA" by brigade of 16 operators.

As a result of data input a data file containing results of 10686 interviews was created. Later, 47 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 10639 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 "**Type of the settlement**" was recoded into variable "**settl**" (urban vs. rural).